

# COURSE CATALOG



Motivate.

Educate.

Graduate.



**WEST VALLEY**  
VIRTUAL ACADEMY

## Welcome to West Valley Virtual Academy

West Valley Virtual Academy offers a wide range of accredited courses in grades K through 12. We have the luxury of being able to provide an education that enhances the way students learn. Our main goal is for students to be successful and graduate from high school.

Our goal, dedicated to student success, means West Valley Virtual Academy chooses to partner with some of the top curriculum provider companies in the world, as well as our own authored courses. The reason we do this is to be able to offer students courses that are personalized for their learning styles.

Our certified, highly qualified online instructors are able to deliver a course on any platform we have available. Our platform partners include PLATO, OMEGA MATH, APEX, ODYSSEYWARE and ROSETTA STONE. While the title of a course may be the same, there are differences in presentation, which can allow us to align student learning and interest with the courses. That is why the right selection for a student is paramount. Regional representatives work closely with schools and families to choose the courses that will lead to student success.

West Valley Virtual Academy instructors will work with your student to help them be successful in their coursework. All courses allow students to work at their own pace through the materials but we understand that they may, at times, need assistance with the work and our teachers are ready to assist.

West Valley Virtual Academy is proud of providing education services to students around the globe and our 89% completion rate. What sets us apart is our ability to adapt to the ever changing face of education. We stay at the forefront of education with active participation in iNACOL and Advanced Ed.

The following represent a listing of the courses that it is our pleasure to present. If you have any questions, please feel free to call us at 509.823.2602.





## West Valley Virtual Academy Offers:

- Interactive online courses chosen to work with student learning styles
- Courses available to address specific learning desires:
  - Core Courses
  - AP Courses
  - Honors Courses
  - Career and Technical Courses
- Most courses may be modified for IEP or 504 Plans
  - we work with your school for the best student outcome
- Certificated/Highly Qualified instructors are available to answer questions
- Online additional tutoring available for students who need more course assistance

## West Valley Virtual Academy Students Get the Advantage of:

- Accredited College Prep Curriculum
- Over 200 Course Choices
- Dual Track
- ACT/SAT Test Prep
- Rosetta Stone Languages
- Courses for career exploration and vo-tech exploration



**ENGLISH/LANGUAGE ARTS**

Elementary Language Arts Grades K - 5

**FINE ARTS**

Elementary Art Grades K - 5

**HEALTH**

Elementary Health Grade K-1

Elementary Health Grade 2-3

Elementary Health Grade 4-5

**MATH**

Elementary Math Grades K - 5

**PE**

Elementary PE Grades K-1

Elementary PE Grades 2-5

Elementary Physical Education Grades K-5

**SCIENCE**

Elementary Science Grade K

Elementary Science Grade 1

Elementary Science Grade 2

Elementary Science Grade 3

Elementary Science Grade 4

Elementary Science Grade 5

**SOCIAL STUDIES**

Elementary Social Studies Grades K-5

**STEM**

Elementary Technology Grade K

Elementary Technology Grade 1

Elementary Technology Grade 2

Elementary Technology Grade 3

Elementary Technology Grade 4

Elementary Technology Grade 5

**WORLD LANGUAGE**

Elementary Spanish Introductory Level

Elementary Spanish Levels 1-5

**NOTES**



## BUSINESS MANAGEMENT & ADMINISTRATION

Middle School Exploring Information Technology

## COMMUNICATIONS

Middle School Journalism, Tell Your Story

## COMPUTING

Middle School Coding 1A: Introduction

Middle School Coding 1B: Learning Python and Javascript

Middle School Game Design 1A: Introduction

Middle School Game Design 1B: Creating a Game

## CTE

Middle School Career Exploration 1: Charting Your Path

Middle School Career Exploration 2

## ENGLISH/LANGUAGE ARTS

English 6 A/B

English 7 A/B

English 8 A/B

## FACS

Family and Consumer Science

Family Living and Healthy Relationships

## FINE ARTS

Middle School 2D Studio Art

Middle School Digital Art and Design

Middle School Exploring Music

Middle School Photography 1A: Introduction

Middle School Photography 1B: Drawing with Light

## HEALTH

Intro to Group Sports I

Intro to Group Sports II

Intro to Individual Sports I

Intro to Individual Sports II

Middle School Fitness

Middle School Health

## MATH

Math 6 A/B

Math 7 A/B

Math 8 A/B

## MEDICAL

Health Careers I

Middle School Exploring Health Science

## PE

Fitness Basics I

Fitness Basics II

## SCIENCE

Life Science A/B

Middle School Science (6-7-8) A/B

MS Earth & Space Science A/B

Physical Science A/B

Science 6 with Virtual Labs

Science 7 with Virtual Labs

Science 8 with Virtual Labs

## SOCIAL STUDIES

Civics

Contemporary World A/B

Middle School US History A/B

Middle School World History A/B

Washington State History A/B

World Geography A/B



## AGRICULTURE

Agriscience I Introduction

Agriscience II Sustaining Human Life

Principles of Agriculture, Food & Natural Resources

Principles of Agriculture, Food, & Natural Resources A/B

## BUSINESS

Accounting A/B

Advertising, and Sales Promotion

Business Applications

Business Communications 1a: Introduction

Business Communications 1b: Listen, Speak & Write in the Workplace

Business Information Management A/B

Business Information Management 1a: Introduction

Business Information Management 1b: Data Essentials

Business Law 1a: Introduction

Business Law 1b: Legal Aspects of Business

Business Ownership 1a: Introduction

Business Ownership 1b: Reach for the Stars

Career Explorations

Digital Design 1a: Introduction

Digital Design 1b: Express Your Ideas Visually

## BUSINESS

Entrepreneurship 1a: Introduction

Entrepreneurship 1b: Make Your Idea a Reality

Entrepreneurship A/B

Essential Career Skills

Human Resource Management 1a: Introduction

Human Resource Management 1b:

International Business

International Business: Global Commerce in the 21st Century

Introduction to Finance

Legal Admin Specialist 1a: Introduction

Legal Admin Specialist 1b: Taking Care of the Legal Office

Management 1a: Introduction

Management 1b: Insight & Oversight

Manufacturing: Product Design and Innovation

Marketing 2a: Global Business and Trade

Marketing 2b: Developing a Sales Team

Marketing Foundations 1a: Introduction

Marketing Foundations 1b: Building Your Base

Marketing, Advertising, and Sales

Medical Office Administration 1a: Introduction

Medical Office Administration 1b: Vital to the Front Office

Office Administration 1a: Introduction

## BUSINESS

Office Administration 1b: Running the Office

Principles of Business, Marketing & Finance A / B

Principles of Business, Marketing, and Finance 1b: Targeting Your Business Insight

Principles of Business, Marketing, Finance 1a: Introduction

Principles of Human Services A / B

Principles of Manufacturing A / B

Principles of Transportation, Distribution, and Logistics A / B

Professional Communication

Professional Sales and Promotion 1a: Introduction

Professional Sales and Promotion 1b

Sports and Entertainment Marketing

Sports and Entertainment Marketing (.5)

Sports and Entertainment Marketing 1a: Introduction

Touch Systems Data Entry: Keyboard Like a Pro

## COMMUNICATION

Audio/Video Production I A/B

Audio/Video Production II A/B

Audio/Video Production III A/B

Digital and Interactive Media A/B

Electronic Communication Skills

Graphic Design and Illustration A/B

Introduction to Visual Arts

Principles of Arts, Audio/Video Technology, & Communications A

Professional Communications

## COMPUTING

3D Printing and Modeling

Animation 1a: Introduction

Animation 1b: Animating Your Curiosity

Coding 1A: Introduction to Programming

Coding 1b: Programming

Computer Science Essentials A/B

Computing for College and Careers A/B

## CTE

3D Animation

3D Character Animation

3D Game Design

3D Game Development

3D Modeling 1a: Introduction

3D Modeling 1b: Set the Scene

Careers in Criminal Justice 1b Finding Your Specialty

Concepts of Engineering & Technology

Cosmetology 1: Cutting Edge Styles

Cosmetology 2: The Business of Skin & Nail Care

Cosmetology 3A: Introduction to Hair Skills

Cosmetology 3B: Waving, Coloring, and Developing Hair Skills

Culinary Arts 1a- Introduction

Culinary Arts 1b: Finding Your Palate

Culinary Arts 2: Baking, Pastry, and More!

Culinary Arts A / B

Cybersecurity 1A: Foundations

Cybersecurity 1B: Defense Against Threats

Fashion Design

Food Handler & Food Manager Certifications

Forestry and Natural Resources

## CTE

Hospitality and Tourism 1 Travelling the Globe

Hospitality and Tourism 2A: Hotel & Restaurant Management

Hospitality and Tourism 2B: Hotel & Restaurant Management

Human & Social Services 1

Interior Design

Introduction to Fashion Design

Introduction to Military Careers

Military Careers: Introduction

National Security: Diplomacy, Intelligence, Defense

Nutrition & Wellness

Principles of Education and Training A/B

Principles of Hospitality & Tourism A / B

Restaurant Management

Workplace and Internship Readiness: Preparing for Work & Life

## ELECTIVE

Academic Success
Financial Literacy
Great Minds in Science - Ideas for a New Generation
Introduction to Social Media
Journalism 1A: Introduction
Journalism 1B: Investigating the Truth
Learning in a Digital World: Digital Citizenship
Life Skills: Navigating Adulthood
Peer Counseling
Personal Psychology 1: The Road to Self-Discovery
Personal Psychology 2: Living in a Complex World
Philosophy: The Big Picture
Psychology A/B
Public Speaking 1A: Introduction
Public Speaking 1b: Finding Your Voice
Renewable Technologies: Introduction
Revolutionary Ideas in Science
Social Media - Our Connected World

## ENGLISH/LANGUAGE ARTS

Business English A/B
Creative Writing
English Fundamentals Grade 9
World Literature Grade 10
American Literature Grade 11
British Literature Grade 12
Gothic Literature
Gothic Literature – Monster Stories
Mythology & Folklore
Mythology & Folklore Legendary Tales
Reading & Writing for Purpose
Structure of Writing
The Lord of the Rings: An Exploration of the Films & Their Literary Influences

## FACS

Child Development & Parenting A/B
Early Childhood Education 1A
Early Childhood Education 1B: Developing Early Learners
Family and Consumer Science
Family Living & Healthy Relationships
Real World Parenting

## FINE ARTS

Art History & Appreciation
Art in World Cultures
Digital Photography 1A: Introduction
Digital Photography 1B: Creating Images with Impact
Digital Photography II Discovering Your Creative Potential
Music Appreciation
Music Appreciation – The Enjoyment of Listening
Professional Photography A / B
Theater Cinema and Film Production
Theater, Cinema, and Film Production 1A: Introduction
Theater Cinema and Film Production 1b: Lights, Camera, Action

## HEALTH

Credit Recovery Health
Drugs and Alcohol
First Aid & Safety
Health
Health & Personal Wellness
Health 1: Life Management Skills
Health Science 1 A / B



## HEALTH

Health Science 2 A/B
Life Skills
Nutrition
Nutrition and Wellness
Personal Fitness

## HEALTH SCIENCE

Allied Health Assistant 1a Introduction
Allied Health Assistant 1b: Skills and Specialties
Anatomy and Physiology 1a
Anatomy and Physiology 1b
Biotechnician 1a: Introduction
Biotechnician 1b: Advancements in Biotechnology
Biotechnician 2a
Dental Assistant 1a: Introduction
Dental Assistant 1b: Principles of Clinical Dentistry
Dental Assistant 2a: Infection Prevention and Pharmacology
Dental Assistant 2b
EKG Technician 1a: Introduction
EKG Technician 1b: Analysis and Response
Emergency Medical Responder 1a: Introduction
Emergency Medical Responder 1b: Prepared for Action
Health & Physical Education 1a: Introduction

## HEALTH SCIENCE

Health & Physical Education 1b: Invest in Your Health
Health Science Foundations 1a: Introduction
Health Science Foundations 1b: Professional Responsibilities
Health Science Theory 1a: Introduction
Medical Assistant 1a: Introduction
Medical Assistant 1b: Medical Assisting in Action
Medical Diagnostic Technology 1a: Introduction
Medical Diagnostic Technology 1b: Exploring Systems & Procedures
Medical Lab Assisting 1a: Introduction
Medical Lab Assisting 1b: Clinical Lab Safety & Procedures
Medical Terminology 1a: Introduction
Medical Terminology 1b: Discovering Word Foundations
Nursing Assistant 1a: Introduction
Nursing Assistant 1b: Patient Care
Pharmacology 1a: Introduction
Pharmacology 1b: Analysis and Effects
Sports Medicine 1a: Introduction
Sports Medicine 1b: Injury Prevention
Sports Medicine 2a: Working With Clients
Sports Medicine 2b: Personalizing Your Practice

## INFORMATION TECHNOLOGY

Access: Office Fundamentals Series
Advanced Networking 1a
Applied Engineering 1a: Introduction
Applied Engineering 1b: Solving Problems Together
Computer Maintenance 1a: Introduction
Computer Maintenance 1b: Network Needs
Digital Media Fundamentals 1a: Introduction
Digital Media Fundamentals 1b: Producing for the Web
Digital Media Web Design 2a: Build a Portfolio Website
Digital Media Web Design 2b: Build an eCommerce Website
Excel: Office Fundamentals Series
Foundations of Game Design 1a: Introduction
Foundations of Game Design 1b: Storytelling, Mechanics, and Production
Game Design 2a: Build a World
Game Design 2b: Launch a Game
Introduction to Networking 1a: Introduction
Introduction to Networking 1b: Network Oversight
Introduction to Programming 1a: Introduction
Introduction to Programming 1b: Problem Solving Through Programming

## INFORMATION TECHNOLOGY

Network Security Fundamentals 1a: Introduction
Network Security Fundamentals 1b: Forensics and Permissions
Operational Cybersecurity 1a: Introduction
Operational Cybersecurity 1b: Security and Planning in the Workplace
Outlook: Office Fundamentals Series
PowerPoint: Office Fundamentals Series
Principles of Information Technology 1a: Introduction
Principles of Information Technology 1b: Working with Computers
Programming 2a: Procedural Programming
Programming 2b: Creative Programming
Robotics 1a: Introduction
Robotics 1b: Intelligent Robots
Robotics 2a: Design a Robot
Robotics 2b: Build Your Robot
Web Development 1a: Introduction
Web Development 1b: Planning and Designing
Web Development 2a: Sketching and Scripting
Web Development 2b: Website Goes Live
Word: Office Fundamentals Series

## LEGAL

Careers in Criminal Justice 1A: Introduction
Criminology: Inside the Criminal Mind
Intro to Criminology
Law and Order: Introduction to Legal Studies
Principles of Government and Public Administration
Principles of Law, Public Safety, Corrections and Security
Principles of Public Service - To Serve & Protect

## MATH

Algebra I A/B
Algebra II A/B
Consumer Mathematics
Financial Mathematics
Geometry A/B
Integrated Mathematics I A/B
Integrated Mathematics II A / B
Integrated Mathematics III A / B
Personal & Family Finance
Personal Finance
Precalculus A / B
Probability & Statistics

## MEDICAL

Applied Medical Terminology A
Applied Medical Terminology B
Certified Nurse Aide
Health Careers I
Health Science 1: The Whole Individual
Health Science 2: Patient Care & Medical Services
Health Science: Nursing
Health Science: Public Health
Introduction to Nursing I
Introduction to Nursing II
Introduction to Veterinary Science
Medical Terminology
Veterinary Science: The Care of Animals

## PE

Adaptive Physical Education
Advanced Physical Education I/II
Comprehensive Physical Education
Exercise Science
Fitness Fundamentals I/II
Flexibility Training
Group Sports
Hope I/II
Individual Sports
Introduction to Coaching
Lifetime and Leisure Sports
Outdoor Sports
Personal Health & Fitness
Personal Training Career Prep
Personal Training Concepts
Physical Education
Running
Sports Officiating
Strength Training
Walking Fitness

## SCIENCE

Anatomy
Astronomy 1A: Introduction
Astronomy 1B: Exploring The Universe
Biology A/B
Biotechnology 1A: Introduction
Biotechnology 1B: Unlocking Nature's Secrets
Chemistry A/B
Earth Science
Environmental Science A/B
Forensic Science I: Secrets of the Dead
Forensic Science II: More Secrets of the Dead
Forensics: The Science of Crime
High School Earth and Space Science A/B
Integrated Physics & Chemistry A/B
Introduction to Astronomy
Introduction to Forensic Science
Introduction to Marine Biology
Marine Science: Secrets of the Blue
Physics A/B
Physiology
Principles of Health Science A/B

## SOCIAL STUDIES

African American History
Anthropology I Uncovering Human Mysteries
Anthropology II More Human Mysteries Uncovered
Archaeology Detectives of the Past
Civics
Contemporary World A / B
Economics
History of the Holocaust
Holocaust Studies
Human Geography Our Global Identity
Intro to Anthropology
Intro to Archaeology
Introduction to Philosophy
Introduction to Women's Studies: A Personal Journey Through Film
Introduction to World Religions
Social Issues
Social Problems I: A World in Crisis
Social Problems II: Crisis, Conflicts and Challenges

## SOCIAL STUDIES

Sociology
Sociology I: The Study of Human Relationships
Sociology II: Your Social Life
US Government
US History A/B
Women's Studies
World Geography A/B
World History A/B
World History Survey A/B
World Religions: Exploring Diversity

## STEM

Adventure Maps Expansion Course
Artificial Intelligence
Computer Programming I A/B
Drafting and Design A/B
Foundations of Green Energy
Game Development
Introduction to Android Mobile App Development
Intro to Cybersecurity
Intro to iOS Mobile App Development
Networking Fundamentals A/B
Principles of Architecture & Construction A/B

## STEM

Principles of Engineering & Technology A/B
Principles of Information Technology A/B
Robotics I A/B
Web Technologies A/B

## DUAL ENROLLMENT

CIS 194 - Business Technology Fundamentals
CIS 194 - Computer Networking in Organizations
CIS 194 - Operating Systems Management for Business
MAT 117 - College Algebra and Problem Solving
MAT 170 - Precalculus
MAT 210 - Brief Calculus: Calculus for Business and Economics
MAT 265 - Calculus for Engineers I: Calculus with Analytic Geometry for Science and Engineering
EA 11 - Foundations for Earned Admission

## TEST PREP

ACT English, Math, Reading and Science Reasoning
ACT WorkKeys
ASVAB Prep
CompTIA A+ 220-1001
CompTIA A+ 220-1002
HiSet/GED Prep (formerly GED)
HiSET/GED Preparation – Science, Part 1 v2
HiSET/GED Preparation - Science, Part 2 v2
HiSET/GED Preparation - Social Studies Part 1 v2
HiSET/GED Preparation - Social Studies Part 2 v2
SAT Language Arts, Math and Reading





**“Words can’t express  
how much we appreciate all of  
your time helping our son finish  
his diploma. He hasn’t had  
many successes over the last  
two years, and now he can say  
he has finished his high school  
education, thanks to you.”**

**- Jennifer J. Mother**

**AP CLASSES**

Advanced Biology
Advanced Calculus A / B
Advanced Chemistry A/B
Advanced Computer Science A
AP English Language and Composition
Advanced English Literature and Composition A/B
AP Environmental Science
AP Macroeconomics
AP Microeconomics
AP Psychology
AP Spanish Language and Culture
AP Statistics
AP U.S. Government and Politics
AP US History A/B

HONORS	WORLD LANGUAGE	WORLD LANGUAGE
Honors Algebra I	American Sign Language (ASL) I	Italian I, II, III, IV, V
Honors Algebra II	American Sign Language (ASL) II	Japanese I, II, III
Honors Biology	American Sign Language (ASL) III	Korean I, II, III
Honors Chemistry	Arabic I, II, III	Latin I, II, III
Honors Earth Science	Chinese (Mandarin) I, II, III, IV, V	Persian (Farsi) I, II, III
Honors English 9	Dutch I, II, III	Polish I, II, III
Honors English 10	English (American) I, II, III, IV, V	Portuguese (Brazil) I, II, III
Honors English 11	English (British) I, II, III, IV, V	Russian I, II, III, IV, V
Honors English 12	Filipino (Tagalog) I, II, III	Spanish (Latin America) I, II, III, IV, V
Honors Geography and World Cultures	French I, II, III, IV, V	Spanish (Spain) I, II, III, IV, V
Honors Geometry	French 1A/1B (Plato)	Spanish 1A/1B (Plato)
Honors Physics	French 2A/2B (Plato)	Spanish 2A/2B (Plato)
Honors Precalculus	German I, II, III, IV, V	Spanish 3A/3B (Plato)
Honors U.S. Government and Politics	German 1A/1B (Plato)	Swedish I, II, III
Honors U.S. History	German 2A/2B (Plato)	Turkish I, II, III
Honors U.S. History Since the Civil War	Greek I, II, III	Vietnamese I, II, III
Honors U.S. History to the Civil War	Hebrew I, II, III	Elementary Spanish Level Introductory Level
Honors World History	Hindi I, II, III	Elementary Spanish Levels 1-5
Honors World History to the Renaissance	Irish I, II, III	



# ELEMENTARY COURSES



## English/Language Arts

### Language Arts Grade K - 5

The Elementary English Language Arts courses provide students with a rigorous and comprehensive look at the ELA standards, focusing on reading foundational skills, reading comprehension strategies through informative and literature texts, writing, grammar, and speaking and listening skills. Students will be exposed to the five essential components of reading (phonemic awareness, phonics, comprehension, vocabulary and fluency) through engaging text and interactive learning. Primary students (Kindergarten –Second Grade) will learn to read and will be given a strong foundation in phonemic awareness and phonics. Intermediate students (Third –Fifth Grade) will focus on reading to learn with the incorporation of more complex text and extensive exploration and use of vocabulary in reading and writing. Students will be taught grammar skills which will be implemented into the rigorous writing lessons and compliment various topics. Students will participate in informative, narrative, and opinion writing compositions throughout the course. Throughout the English Language Arts courses, students will explore a myriad of topics through integration across content areas. Each grade level of the ELA suite will surround student learning with an adventure filled theme, showing students that learning really is the great adventure.

**Grade Level:** K - 5

**Classification:** English/Language Arts

**Semester Options:** A/B

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## Fine Arts

### Elementary Art Grade K - 5

The visual art suite will provide students the foundational skills to be successful in a studio environment. Using the Elements of Art and Principles of Design as the framework, students will feel confident in creating their own style of art. Students will explore and safely use a variety of materials during the creative process. The courses explicitly teach art techniques through modeling and connecting them to master artists. During the creative process, students will apply art vocabulary and procedures, as well as time-management and collaborative skills. They will develop their observational skills, prior knowledge, and art critique skills to reflect on and interpret works of art. Throughout each multifaceted lesson, the students will make connections to art and various cultures around the world. These courses offer rich text to support art history instruction, including information on artists and art movements over time. The visual art suite integrates standards from all of the core subject areas including math, social studies, science, health, and language arts. Connections are also made to music, dance, and physical education. This suite will develop students' fine motor skills, critical thinking skills, creativity, and their appreciation for global communities.

**Grade Level:** K - 5

**Classification:** Fine Arts

**Semester Options:** A/B

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## Health

### Elementary Health Grades K-1

Elementary Health K helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, communication, disease prevention, basic anatomy and physiology, and values of cooperation and teamwork.

**Grade Level:** K-1  
**Classification:** PE & Health  
**Semester Options:** A/B

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### Elementary Health Grades 2-3

Elementary Health 2 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, disease prevention, conflict resolution, basic anatomy and physiology, and the values of respect and cooperation.

**Grade Level:** 2-3  
**Classification:** PE & Health  
**Semester Options:** A/B

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### Elementary Health Grades 4-5

Elementary Health 4 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, reducing illness, avoiding bullying, nutrition, healthy friendships, emergency situations, and the human body. Fourth grade will study the functioning systems of the body. Fifth grade will be covering the reproductive system, puberty and STDs.

**Grade Level:** 4-5  
**Classification:** PE & Health  
**Semester Options:** A/B

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## Math

### Elementary Math Grades K-5

The FLVS Elementary math courses inspire students to become critical thinkers and problem solvers. The learners use math as a tool to make sense of and understand the world around them. The courses include media that uses sight and sound to engage students. For example, rhymes, chants, songs, and videos help teach and practice foundational math skills. The focuses of the K-2 math courses are building a strong number sense, addition and subtraction within 20, place value, measurement, and shapes. The focuses of the 3-5 math courses are multiplication and division within 100, fractions, decimals, shapes, area, and volume. Students explore content prior to being explicitly taught and hands-on activities help strengthen the learners' algebraic and critical thinking skills. Digital and concrete manipulatives help support mathematical proficiency in all grades. The learners are provided with many practice opportunities that involve both on-screen and off-screen activities.

**Grade Level:** K - 5  
**Classification:** Math  
**Semester Options:** A/B

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**PE**

## Elementary PE Grades K-1

Elementary PE K helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

**Grade Level:** K-1  
**Classification:** PE & Health  
**Semester Options:** A/B

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## Elementary PE Grades 2-5

Elementary PE 2 through PE 5 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cooldown, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

**Grade Level:** 2-5  
**Classification:** PE & Health  
**Semester Options:** A/B

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## Elementary Physical Education Grades K-5

The Elementary PE courses focus on helping students develop an active lifestyle by integrating healthy habits and activities. The learning scaffolds on the previous lessons to provide developmentally appropriate activities and builds on skills learned in each grade level. Skill progressions help students learn how to throw, catch, kick, strike, dance, swim, and perform basic gymnastics. Students also learn how to eat a healthy diet, develop teamwork and sportsmanship, and strive for 60 minutes of daily activity. They learn to set physical goals and work to meet those goals in order to keep improving their skills.

**Grade Level:** K - 5  
**Classification:** PE  
**Semester Options:** A/B

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**Science**

## Elementary Science Grade K

The Elementary Science K course will spark curiosity in students and build a solid foundation in concepts across many types of sciences including Earth Science, Life Science, and Physical Science. Students will engage in science and engineering practices by asking questions, defining problems, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematics and informational technology, constructing explanations, designing solutions, engaging in scientific arguments using evidence, and communicating results. A framework of active student learning supports and allows students to engage, explore, explain, elaborate, and evaluate throughout all courses. This dynamic format will help students build their own understanding from experiences and new ideas in order to facilitate a better understanding of the world around them.

**Grade Level:** K  
**Classification:** Science  
**Semester Options:** A/B

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## Elementary Science Grade 1

The Elementary Science 1 course will spark curiosity in students and build a solid foundation in concepts across many types of sciences including Earth Science, Life Science, and Physical Science. Students will engage in science and engineering practices by asking questions, defining problems, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematics and informational technology, constructing explanations, designing solutions, engaging in scientific arguments using evidence, and communicating results. A framework of active student learning supports and allows students to engage, explore, explain, elaborate, and evaluate throughout all courses. This dynamic format will help students build their own understanding from experiences and new ideas in order to facilitate a better understanding of the world around them.

**Grade Level:** 1  
**Classification:** Science  
**Semester Options:** A/B

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## Science

### Elementary Science Grade 2

The Elementary Science Grade 2 course will spark curiosity in students and build a solid foundation in concepts across many types of sciences including Earth Science, Life Science, and Physical Science. Students will engage in science and engineering practices by asking questions, defining problems, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematics and informational technology, constructing explanations, designing solutions, engaging in scientific arguments using evidence, and communicating results. A framework of active student learning supports and allows students to engage, explore, explain, elaborate, and evaluate throughout all courses. This dynamic format will help students build their own understanding from experiences and new ideas in order to facilitate a better understanding of the world around them.

**Grade Level:** 2  
**Classification:** Science  
**Semester Options:** A/B

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### Elementary Science Grade 3

The Elementary Science Grade 3 course will spark curiosity in students and build a solid foundation in concepts across many types of sciences including Earth Science, Life Science, and Physical Science. Students will engage in science and engineering practices by asking questions, defining problems, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematics and informational technology, constructing explanations, designing solutions, engaging in scientific arguments using evidence, and communicating results. A framework of active student learning supports and allows students to engage, explore, explain, elaborate, and evaluate throughout all courses. This dynamic format will help students build their own understanding from experiences and new ideas in order to facilitate a better understanding of the world around them.

**Grade Level:** 3  
**Classification:** Science  
**Semester Options:** A/B

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### Elementary Science Grade 4

The Elementary Science Grade 4 course will spark curiosity in students and build a solid foundation in concepts across many types of sciences including Earth Science, Life Science, and Physical Science. Students will engage in science and engineering practices by asking questions, defining problems, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematics and informational technology, constructing explanations, designing solutions, engaging in scientific arguments using evidence, and communicating results. A framework of active student learning supports and allows students to engage, explore, explain, elaborate, and evaluate throughout all courses. This dynamic format will help students build their own understanding from experiences and new ideas in order to facilitate a better understanding of the world around them.

**Grade Level:** 4  
**Classification:** Science  
**Semester Options:** A/B

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### Elementary Science Grade 5

The Elementary Science Grade 5 course will spark curiosity in students and build a solid foundation in concepts across many types of sciences including Earth Science, Life Science, and Physical Science. Students will engage in science and engineering practices by asking questions, defining problems, developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematics and informational technology, constructing explanations, designing solutions, engaging in scientific arguments using evidence, and communicating results. A framework of active student learning supports and allows students to engage, explore, explain, elaborate, and evaluate throughout all courses. This dynamic format will help students build their own understanding from experiences and new ideas in order to facilitate a better understanding of the world around them.

**Grade Level:** 5  
**Classification:** Science  
**Semester Options:** A/B

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## NOTES

## Social Studies

### Elementary Social Studies Grades K-5

The Social Studies suite utilizes a personal approach to introduce students to community and citizenship. By providing scaffolded instruction from Kindergarten through 5th grade, students develop a firm understanding of important concepts and skills related to history, geography, and economics. The integration of recurring characters and challenges to overcome keeps students engaged and progressing. Finally, students will analyze grade-appropriate passages to reinforce reading comprehension and writing skills. In Kindergarten, students learn about community and are offered an introduction to history, geography, and economics. In First grade, students develop an understanding of citizenship in the home, school, and community. Second grade focuses on the geography of North America, the impact of immigration, and the foundations of American citizenship. Third grade includes a closer look at American history and civics. This includes studying regions with the United States and the physical and cultural characteristics of Canada, Mexico, and the Caribbean Islands. In Fourth grade, students explore the important people, places, and events that shaped the state in which they live. In Fifth grade, students focus on American history through 1850 from Native Americans through exploration, colonization, and early American history..

**Grade Level:** K  
**Classification:** Social Studies  
**Semester Options:** A/B

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## STEM

### Elementary Technology Grade K

The FLVS Elementary Technology Kindergarten course enables students to develop basic skills in computer science through engaging and age-appropriate content. The course will expose students to concepts such as problem solving, algorithms, and computer basics skills. Students will learn block based coding in an offline environment. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen.

**Grade Level:** K  
**Classification:** STEM  
**Semester Options:** A/B

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### Elementary Technology Grade 1

The FLVS Elementary Technology First Grade course will enable students to develop basic skills in computer science through engaging and age-appropriate content. The course exposes students to concepts such as problem solving, algorithms, and computer basics skills. Students will learn block based coding in an offline environment. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen.

**Grade Level:** 1  
**Classification:** STEM  
**Semester Options:** A/B

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### Elementary Technology Grade 2

The FLVS Elementary Technology Second Grade course enables students to develop basic skills in computer science through engaging and age-appropriate content. The course exposes students to concepts such as problem solving, algorithms, and computer troubleshooting skills. Students will learn block based coding in an offline environment and practice using the web-based Hour of Code site. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen. Students will be introduced to Microsoft Word Online, research skills, and constructive criticism to complete a final digital artifact project.

**Grade Level:** 2  
**Classification:** STEM  
**Semester Options:** A/B

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## STEM

### Elementary Technology Grade 3

The FLVS Elementary Technology Third Grade course enables students to develop basic skills in computer science through engaging and age-appropriate content. The course exposes students, within developmentally appropriate stages, to concepts such as problem solving, algorithms, security/privacy/copyright, computer programming basics, and keyboarding skills. Students learn block-based coding in offline environments that build upon skills developed in previous grades. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen. The upper grades will complete research focused on adaptive technology, social media and/or robotics. The research will require students to evaluate reliable and relevant websites, organize data, receive and implement feedback, and produce a digital artifact.

**Grade Level:** 3  
**Classification:** STEM  
**Semester Options:** A/B

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### Elementary Technology Grade 5

The FLVS Elementary Technology Fifth Grade course enables students to develop basic skills in computer science through engaging and age-appropriate content. The courses will expose students, within developmentally appropriate stages, to concepts such as problem-solving, algorithms, security/privacy/copyright, computer programming basics, and keyboarding skills. Students learn block-based coding in offline environments that build upon skills developed in previous grades. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen. The upper grades will complete research focused on adaptive technology, social media and/or robotics. The research will require students to evaluate reliable and relevant websites, organize data, receive and implement feedback, and produce a digital artifact.

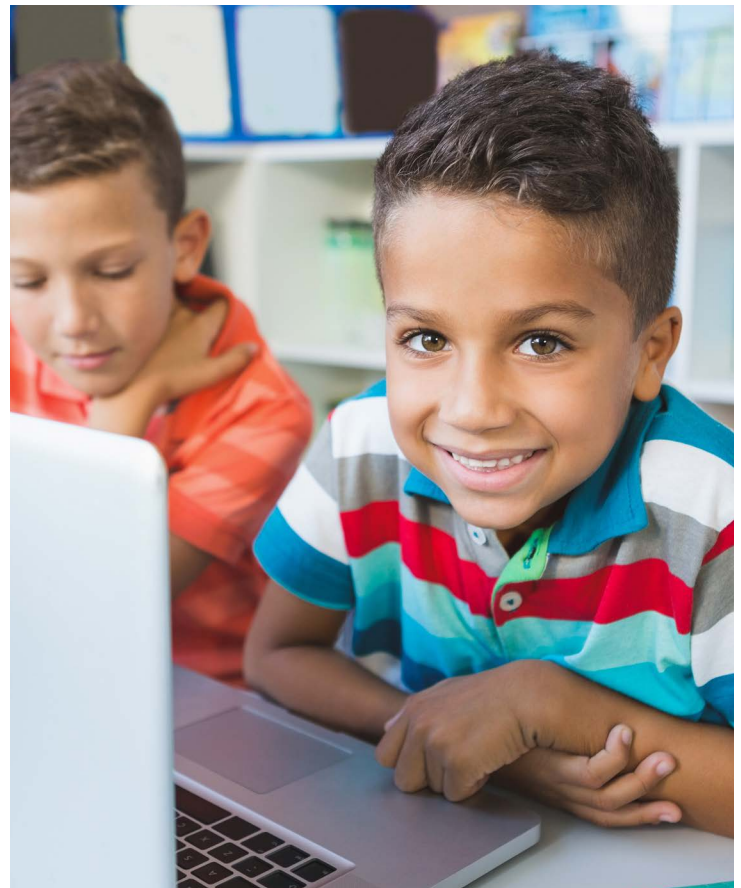
**Grade Level:** 5  
**Classification:** STEM  
**Semester Options:** A/B

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### Elementary Technology Grade 4

The FLVS Elementary Technology Fourth Grade course enables students to develop basic skills in computer science through engaging and age-appropriate content. The courses will expose students, within developmentally appropriate stages, to concepts such as problem-solving, algorithms, security/privacy/copyright, computer programming basics, and keyboarding skills. Students learn block-based coding in offline environments that build upon skills developed in previous grades. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen. The upper grades will complete research focused on adaptive technology, social media and/or robotics. The research will require students to evaluate reliable and relevant websites, organize data, receive and implement feedback, and produce a digital artifact.

**Grade Level:** 4  
**Classification:** STEM  
**Semester Options:** A/B

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## World Language

### Elementary Spanish Introductory Level

Elementary Spanish is an exploratory introduction to the Spanish culture and language. Students will learn the target language in a story-based framework, providing a fun and positive experience within the learning. Each lesson is taught through an engaging, authentic story that gives students an opportunity to see and hear the language in context. Students will learn foundational skills in listening and speaking in the early levels, and will add Spanish literacy skills beginning in Level 2. The courses provide audio and visual stimuli for all learning types and ample opportunities to hear, speak, read, write, and record the language. This suite also provides strategically-based reviews of past learning. Each course is built on connections to an authentic culture of a specific Spanish-speaking region through the arts, celebrations, and traditions of the culture, leading students on the path to becoming global citizens. Courses provide a natural progression of learning through the following language acquisition stages: o Preproduction o Early Production o Speech emergence o Intermediate fluency. This suite of Elementary Spanish courses is based on proficiency level rather than grade level. The majority of students (even those that speak Spanish at home) find it is most beneficial in the student learning process to begin at the introductory level to ensure a smooth transition of content. Each level of Spanish builds on the previous level and is set in a new and exciting Spanish speaking country.

**Grade Level:** NA  
**Classification:** World Language  
**Semester Options:** A/B

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### Elementary Spanish Levels 1-5

Elementary Spanish is an exploratory introduction to the Spanish culture and language. Students will learn the target language in a story-based framework, providing a fun and positive experience within the learning. Each lesson is taught through an engaging, authentic story that gives students an opportunity to see and hear the language in context. Students will learn foundational skills in listening and speaking in the early levels, and will add Spanish literacy skills beginning in Level 2. The courses provide audio and visual stimuli for all learning types and ample opportunities to hear, speak, read, write, and record the language. This suite also provides strategically-based reviews of past learning. Each course is built on connections to an authentic culture of a specific Spanish-speaking region through the arts, celebrations, and traditions of the culture, leading students on the path to becoming global citizens. Courses provide a natural progression of learning through the following language acquisition stages: o Preproduction o Early Production o Speech emergence o Intermediate fluency. This suite of Elementary Spanish courses is based on proficiency level rather than grade level. The majority of students (even those that speak Spanish at home) find it is most beneficial in the student learning process to begin at the introductory level to ensure a smooth transition of content. Each level of Spanish builds on the previous level and is set in a new and exciting Spanish speaking country.

**Grade Level:** 1 - 5  
**Classification:** World Language  
**Semester Options:** A/B

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**“Greenways Academy has not just been a game changer, but a true blessing. From the moment we walked in the door my daughter has been nothing but confident, happy, excited and eager to learn. Her tutor, along with Patti (the owner and director) have the most incredible approach with their students. Treating each and everyone of them with utmost respect and kindness. They are compassionate, honest and patient, paired with an amazing proactive approach to make sure that each student succeeds!”**

**We came from a well known private school, and Greenways Academy has gone above and beyond our previous experience and exceeded our expectations. They are a first class, five star Academy, and I would highly recommend them to anyone looking for an alternative. ”**

**- Kelly S, Mother**





# MIDDLE SCHOOL COURSES





## Business

### Middle School Exploring Information Technology

If you've ever dreamed of a job in technology, but aren't sure where to start, then it's time to explore the different career options available to you in the field of IT. You'll examine various IT pathways of web and digital communications, information and support services, network systems, and programming and software development. The world of IT careers is in high-demand, so let's get to investigating which career pathway is right for you.

**Grade Level:** 6-8  
**Classification:** Business  
**Semester Options:** 1 Semester

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## Communication

### Middle School Journalism Tell Your Story

Who? What? When? Where? Journalism provides us with the answers to these questions for the events that affect our lives. In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.

**Grade Level:** 6-8  
**Classification:** Communication  
**Semester Options:** A/B

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## Computing

### Middle School Coding 1A: Introduction

Learn all about the technology you use in your day-to-day life and explore how the internet functions through this introduction to coding. Build your knowledge of algorithms, programming constructs, and program design to create your own code. Discover how to solve problems with code while dabbling with Tynker and Python to begin your journey into this exciting field!

**Grade Level:** 6-8  
**Classification:** Computing  
**Semester Options:** A

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### Middle School Coding 1B: Learning Python and Javascript

Building on the prior prerequisite course, expand your knowledge of programming languages and web development by further exploring Python, HTML, CSS, and JavaScript. Analyze the differences between web development and web application development, while growing your portfolio, which will serve to highlight everything you have learned and created in the course.

**Grade Level:** 6-8  
**Classification:** Computing  
**Semester Options:** B

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**Computing**

## Middle School Game Design 1A: Introduction

We all love to play video games – but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in Middle School Game Design 1, an interactive and hands-on course that will teach you all the ins and outs of making your own game. You will learn the importance of game structure and discover what makes a game fun, challenging, and interesting to players just like you. You will also have the opportunity to explore the design and creative process involved in game creation, learn block-based programs, and experiment with character and story development. As a bonus, you will leave the course with a digital portfolio of everything you created in class.

**Grade Level:** 6-8  
**Classification:** Computing  
**Semester Options:** A

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## Middle School Game Design 1B: Creating a Game

Building on the prior prerequisite course, you will further advance your knowledge of game design! Diving into the development process, you will create details and add component pieces to a game while learning to prototype, troubleshoot, and test. Additionally, you will explore critiquing and advertising a game, strengthening your ability to create a fully functioning game from start to finish.

**Grade Level:** 6-8  
**Classification:** Computing  
**Semester Options:** B

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**CTE**

## Middle School Career Exploration 1: Charting Your Path

How do you pick a career path when you're not sure what's even out there? This course allows you to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more! You'll align your interests, wants, and needs to career possibilities, including the required education for each. Let's find a pathway that works for you.

**Grade Level:** 6-8  
**Classification:** CTE  
**Semester Options:** A

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## Middle School Career Exploration 2

With all the careers options available, it can be difficult to narrow down a choice for the future. Explore more careers and see what it takes to succeed and what steps are needed to prepare. Compare the pros and cons of different career choices and try out parts of different careers to see if your skills and preferences align!

**Grade Level:** 6-8  
**Classification:** CTE  
**Semester Options:** B

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## English/Language Arts

## English (MS) A/B

6th Grade - This course provides a strong foundation in grammar and the writing process. It emphasizes simple but useful composition and language mechanics strategies with multiple opportunities for modeling practical, real-world writing situations that will enable students to improve their written communication skills quickly. Through a variety of grade-appropriate reading selections, students develop a clear understanding of key literary genres and their distinguishing characteristics. 7th Grade - Integrates the study of writing and literature through the examination of a variety of genres. Students identify the elements of composition in the reading selections to understand their function and effect on the reader. Practice is provided in narrative and expository writing. Topics include comparison and contrast, persuasion, and cause and effect essays, as well as descriptive and figurative language. Lessons are supplemented with vocabulary development, grammar, and syntax exercises, along with an introduction to verbal phrases and research tools. 8th Grade - Extends the skills developed in English 7 through detailed study of parts of sentences and paragraphs to understand their importance to good writing. Students also acquire study skills such as time management and improved test-taking strategies. Other topics include punctuation, word choice, syntax, varying of sentence structure, subordination and coordination, detail and elaboration, effective use of reference materials, and proofreading.

**Grade Level:** 6-8**Classification:** English/Language Arts**Semester Options:** A/B

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## English 6 A/B

English is the study of the creation and analysis of literature written in the English language. In English 6A, you will explore literary elements in both nonfiction and fiction texts. You will examine point of view in memoirs and practice writing a short memoir. In the latter part of this course, you will study character in different genres of literature. You will explore the topic of change in nonfiction texts and evaluate arguments and claims in informational texts. Finally, you will study the characteristics of persuasive writing and practice writing persuasively. In English 6B, you will begin with analyzing the element of conflict in literary nonfiction texts and examine examples of cause and effect. You will also investigate different genres of literature to analyze the element of conflict. Next, you will explore methods for developing multimedia presentations. In the latter part of the course, you will analyze elements of poetry such as theme, structure, meter, language, and sound. You will also examine different types of poetry. Finally, you will identify techniques for developing a research paper.

**Grade Level:** 6**Classification:** English/Language Arts**Semester Options:** A/B

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## English 7 A/B

English is the study of the creation and analysis of literature written in the English language. In English 7A, you will explore different elements of fiction such as theme, characters, setting, and plot. You will also improve your writing by developing skills required for academic writing. You will evaluate how change affects society and an individual's personal growth by analyzing various informational texts. In addition, you will conduct a group discussion on the topic of change. In the latter part of the course, you will examine various poetic devices and elements of drama. You will also compare a dramatic text to its film version. In the final unit, you will analyze elements of writing such as tone, audience, purpose, and structure in informational texts. In English 7B, you will analyze the literary elements of point of view and conflict in literature. You will study the features and techniques of persuasive writing. You will evaluate the use of the literary element of conflict in informational texts. In addition, you will learn about the main characteristics of public speaking and deliver a persuasive speech. In the latter part of this course, you will investigate the topic of identity in literature. In the final unit, you will read novels and explore various literary elements.

**Grade Level:** 7**Classification:** English/Language Arts**Semester Options:** A/B

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## English/Language Arts

### English 8 A/B

English is the study of the creation and analysis of literature written in the English language. In English 8A, you will explore the features of different forms of literary writing such as diaries, memoirs, informative essays, and fictional narratives. You will also improve your writing by learning about persuasive writing techniques. You will compare and contrast a literary piece across different mediums, including drama. You will engage in a dramatic reading of poetry and learn how to give multi-media presentations. In the latter part of the course, you will analyze informational texts to understand the history of the Civil War. You will also analyze various types of literary works to better understand literary elements such as point of view, conflict, theme, structure, and setting. In English 8B, you will analyze nonfiction texts to explore what they reveal about the process of growing up. You will also analyze elements of poetry such as theme, structure, meter, language, and sound to help you read poems and compose a poem of your own. You will read novels and analyze their literary elements and their use of literary devices. In the final unit, you will reflect upon and evaluate certain aspects of your past, present, and future while reading Charles Dickens's *A Christmas Carol*.

**Grade Level:** 8

**Classification:** English/Language Arts

**Semester Options:** A/B

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## FACS

### Family and Consumer Science

Family & Consumer Science is a one-Semester course that prepares students with a variety of skills for independent or family living. Topics covered include child care, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options. Unit 1: Relationships & Child-care; Decision Making Skills, Healthy Relationships & Communication, Childcare. Unit 2: Consumer Science Skills; Food Preparation, Clothing Textiles, Living Environment & Design. Unit 3: Consumer Health; Money Management, Medical Management, Consumer Health. Unit 4: Health & Safety; Healthy Families, Household Safety, Emergency Preparedness. Unit 5: House & Careers; Buying vs Renting, Home & Car Maintenance, Consumer Science Careers.

**Grade Level:** 6 - 8

**Classification:** FACS

**Semester Options:** 1 Semester

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### Family Living and Healthy Relationships

In this one-Semester course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life – including information on self-discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits. Unit 1: Family Health & Relationships; Family Health, Personal Identity. Unit 2: Dating & Parenthood; Dating & Marriage, Pregnancy, Parenthood. Unit 3: Human Growth & Development; Infancy & Childhood, Adolescence & Adulthood. Unit 4: Skills for Family Living; Household Responsibilities, Communication, Goal Setting & Decision Making. Unit 5: Coping Skills; Coping Skills, Time & Stress Management, Mental Health. Unit 6: Healthy Families, Healthy Living, Safety.

**Grade Level:** 6 - 8

**Classification:** FACS

**Semester Options:** 1 Semester

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## Fine Arts

### Middle School 2D Studio Art

Close your eyes and imagine you're standing in an art studio—the smell of paint, the heat of the kiln, and the infinite creative possibilities that linger in the air. This is where art is born, and in 2D Studio Art, you'll learn how to bring your art visions to life. Whatever medium you prefer—painting, drawing, photography—this course will teach you the design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing. If you've ever dreamed about making a living as an artist, this course will give you the tools and background that you need to turn those dreams into a reality!

**Grade Level:** 6 - 8  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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### Middle School Digital Art & Design

There are so many different types of art in this world—fine art, classical art, visual art—but the impact of digital art and design is all around us, often in ways that you probably aren't even aware of! After taking Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, you will actually create your own digital art and make it come alive. Give your creative side a boost with this Digital Art and Design course!

**Grade Level:** 6 - 8  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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### Middle School Exploring Music

What comes to mind when you hear the word 'music'? Do you think about your favorite band or artist? Or do you think about instruments and scales and chords? The word music means something different to everyone. Which is why in this Music course, there's a little bit of something for everyone! You will learn about how we hear music; how music affects our lives; important elements of music like rhythm, pitch, and harmony; different musical genres; singing and your voice; various instruments; music composition; and the history and culture of music over the years. Tune up your understanding and appreciation for all things music by signing up for this course!

**Grade Level:** 6 - 8  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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### Middle School Photography 1A: Introduction

Photographs are all around us, and each helps to tell a story. Now it's time for you to create your story through photos you learn how to take in this course. Learn the basics of using a camera, lighting, and how to choose great subjects to create magazine-worthy photos and amaze your friends and family with your skills.

**Grade Level:** 6 - 8  
**Classification:** Fine Arts  
**Semester Options:** A

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### Middle School Photography 1B: Drawing with Light

Do you have vacation photos or pics of your pet that need a little editing? How about getting ready to add that new selfie you took to your social media platform? Taking photos is an art, and editing photos is a skill that many photographers seek to master. Explore how to manipulate angles and lighting, the purpose for different types of photo files, how to use different software to edit photos, and safe places you can store them. You'll be well on your way to being an editing guru when you're done with this course.

**Grade Level:** 6 - 8  
**Classification:** Fine Arts  
**Semester Options:** B

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## Health

### Intro to Group Sports I

This course provides students with an overview of group sports. Students learn about a variety of sports, and an in-depth study of soccer or basketball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

**Grade Level:** 6 - 8  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Intro to Group Sports II

This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

**Grade Level:** 6 - 8  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Intro to Individual Sports I

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross-training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

**Grade Level:** 6 - 8  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Intro to Individual Sports II

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross-training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

**Grade Level:** 6 - 8  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Middle School Fitness

Are you physically fit? What does being fit mean to you? Physical fitness is a lot more than just a number on a scale – and that's exactly what you'll learn in this course! This course will help you understand the basics behind what it means to be physically fit; allow you to gain a deeper understanding about how your body functions; learn the complex science behind exercise; explore what it means to be mindful and what inspires you; and determine how you can test your current level of fitness. Being and staying physically fit is a lifelong endeavor and, just like human beings, there are many complexities involved! Learning about and improving your physical fitness is a smart choice to make at any age - and by signing up for this course, you will be doing exactly that! Consider this course to be the first step on your exciting journey to understanding and improving your physical fitness!

**Grade Level:** 6 - 8  
**Classification:** Health  
**Semester Options:** 1 Semester

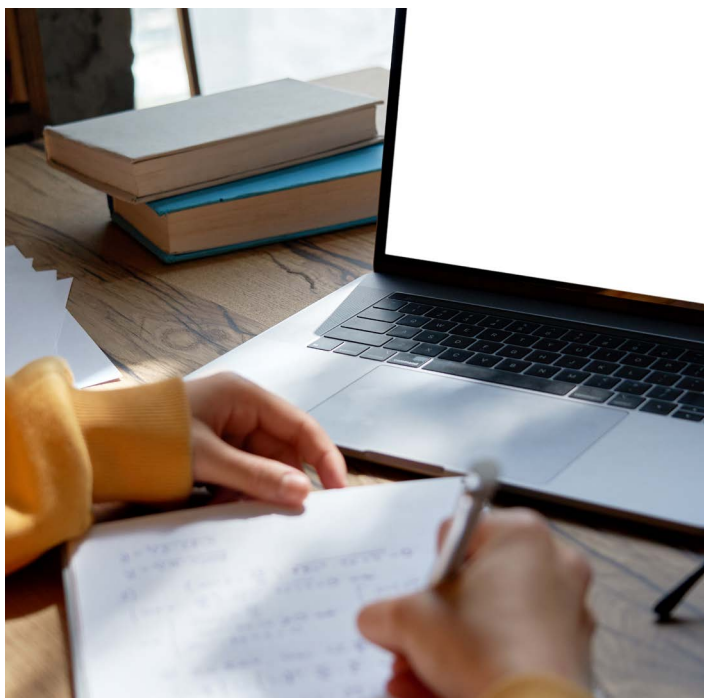
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### Middle School Health

Middle School Health aids students in creating a foundation of personal health. Beginning with properly defining health, this course then builds upon basic health practices to emphasize the importance of balance. Attention is given to each of the six dimensions of wellness; namely, physical, intellectual, emotional, spiritual, social, and environmental. Students are taught the skills necessary to improve every aspect of health. They are also encouraged to reflect upon their own personal wellness each week.

**Grade Level:** 6 - 8  
**Classification:** Health  
**Semester Options:** 1 Semester

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**Math**

**Math 6 A/B**

Mathematics is the study of the patterns around us. Using the tools in this course, you will learn more about how to solve problems using expressions and equations. When you understand how to work with numbers in equations, and how to manipulate equations, you can more easily solve problems you encounter in everyday life. By the end of Semester A, you will be able to do the following: Analyze proportional relationships, and determine the ratios that describe them. Use your own words to describe the relationship a ratio describes. Divide fractions by fractions. Work fluently with fractions and decimals, converting fractions to decimals and vice versa. Visualize numbers and ordered pairs by using number lines and the coordinate plane. Determine solutions to inequalities on number lines. Evaluate expressions using absolute values. By the end of Semester B, you will be able to do the following: Evaluate exponential expressions. Work with expressions in which letters stand for numbers. Describe the properties of operations to determine whether two expressions are equivalent. Evaluate equations and inequalities. Analyze real-world problems and use variables to solve them. Determine the area of a triangle, rectangle, or polygon made up of triangles and rectangles. Determine the volume of right rectangular prisms. Recognize questions that can be answered using statistics. Describe different methods of determining the center of a set of numbers.

**Grade Level:** 6  
**Classification:** Math  
**Semester Options:** A/B

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**Math 7 A/B**

Mathematics is the study of the patterns around us. Using the tools in this course, you will learn more about how to solve problems using expressions and equations. When you understand how to work with numbers in equations, and how to manipulate equations, you can more easily solve problems you encounter in everyday life. By the end of Semester A, you will: Identify the constant of proportionality in tables, graphs, diagrams, and descriptions of proportional relationships. Use equations to represent proportional relationships. Use proportional relationships to solve real-world and mathematical problems involving ratio and percent. Apply and extend your previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers. Convert a rational number to a decimal number using long division. Use variables to represent quantities in a real-world or mathematical problem and write simple expressions, equations, or inequalities to solve the problem. Use properties of operations to rewrite linear expressions in different forms. By the end of Semester B, you will: Solve problems that involve scale drawings of geometric figures. Construct geometric shapes with traditional tools and with technology to satisfy given conditions. Solve real-world and mathematical problems involving angle measure, area, surface area, and volume. Use data from a random sample to draw inferences about a population. Compare two populations using their measures of center and measures of variability. Understand that probability is a measure of the likelihood that a chance event will occur. Compare expected probability to relative frequency and explain any discrepancies. Find the probability of a compound event by identifying all the possible outcomes surrounding the event. Design and use a simulation to generate frequencies for compound events.

**Grade Level:** 6 - 8  
**Classification:** Math  
**Semester Options:** A/B

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## Math

## NOTES

### Math 8 A/B

Mathematics is the study of patterns around us. In Math 8, Semester A, you will explore transformations and solve linear equations. You will also solve real-world problems with two linear equations. In this course, you will study and interpret functions that can help you solve problems you encounter in everyday life. Course Goals By the end of Semester A, you will: Explore and verify the properties of transformations and describe their effects. Understand that two figures are congruent or similar if one can be obtained from the other by a sequence of rotations, reflections, or translations. Examine the properties of the angles created when parallel lines are cut by a transversal. Solve linear equations with rational coefficients and give examples of linear equations with one, infinitely many, or no solutions. Graph proportional relationships, interpreting the unit rate as the slope, and compare two different proportional relationships represented in different ways. Derive the equations  $y = mx$  and  $y = mx + b$ . Use similar triangles to explain why the slope is the same between any two points on a line. Solve a system of linear equations algebraically and by finding the point of intersection. Solve real-world and mathematical problems with two linear equations. Understand functions, describe properties of linear and nonlinear functions, and compare properties of functions represented in different ways. Construct and interpret functions given in verbal descriptions, two coordinate values, tables, or a graph. By the end of Semester B, you will: Explore properties of exponents, and understand the use of scientific notation. Compare, add, subtract, multiply, and divide numbers expressed in scientific notation. Work with square and cube roots, and use decimal expansion to understand the real number system. Plot and compare irrational numbers, and simplify expressions with irrational numbers. Apply facts about angle relationships in triangles. Use the Pythagorean Theorem to find unknown side lengths and to find the distance between two points in a coordinate system. Learn the formulas for the volume of cones, cylinders, and spheres, and use them to solve real-world and mathematical problems. Interpret and describe data in scatter plots, and informally fit lines to model data in scatter plots. Apply linear equations from scatter plots, and construct and apply two-way tables.

**Grade Level:** 8

**Classification:** Math

**Semester Options:** A/B

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## Medical

### Health Careers I

In Health Careers I, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

**Grade Level:** 6 - 8  
**Classification:** Medical  
**Semester Options:** 1 Semester

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### Middle School Exploring Health Science

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe, and begin to learn about the human body and basic first-aid.

**Grade Level:** 6 - 8  
**Classification:** Medical  
**Semester Options:** A/B

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## PE

### Fitness Basics I

This one-Semester course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments, set goals, develop their own fitness program, and participate in weekly physical activity.

**Grade Level:** 6 - 8  
**Classification:** PE  
**Semester Options:** 1 Semester

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### Fitness Basics II

This one-Semester course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments and participate in weekly physical activity.

**Grade Level:** 6 - 8  
**Classification:** PE  
**Semester Options:** 1 Semester

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## Science

### Life Science A/B

Life Science deals with the study of all types of living organisms, such as microorganisms, plants, animals, and humans. The field focuses on their organization and life processes. This is a two-Semester course. Life Science A begins with the basic unit of life—the cell. You'll discover how cells build up tissues, organs, and systems. You will study the growth and development processes of different organisms and see how genes are responsible for the traits of organisms. You'll also explore natural selection and artificial selection and their effects on the genetic traits of organisms. In Life Science B, you will learn how life evolved on Earth. You'll analyze fossil data to determine the evidence it provides about evolution. You'll study ecosystems, the flow of energy in an ecosystem, and the various relationships in an ecosystem. In addition, you will discover the interdependence that is present in all ecosystems. At the end of the Semester, you'll determine the effects that humans and environmental factors have on the ecosystems and devise solutions to protect the biodiversity of ecosystems from these effects.

**Grade Level:** 6 - 8  
**Classification:** Science  
**Semester Options:** A/B

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## Science

### Middle School Science (6-7-8) A/B

This is a two-Semester class. Science 6A is an integrated science course that covers topics selected from Earth and space science and physical science. This course discusses the structure and properties of matter, force interactions between objects, and Earth and space systems. In the first unit, you'll explore the composition of matter and atomic arrangements of substances. In the second unit, you'll identify forces and analyze the motion of objects using words, equations, and graphs. In the last unit, you will study interactions in the solar system and the role that gravity plays in the motion of celestial bodies. Science 6B is an integrated science course that covers topics selected from Earth and space science and life science. This course discusses Earth's history, its ecosystems, and its climate and weather. In the first unit, you'll explore the history of Earth and how natural forces such as wind and water shape its formation. In the second unit, you'll study the relationships between the physical and biological elements of Earth's ecosystems. In the last unit, you will discover how the uneven heating of Earth from the Sun leads to its various climates and weather patterns. Science 7A discusses the major life processes of organisms, including nutrition, growth and development, and reproduction. In the first unit, you'll explore the cell as the structural and functional unit of life. The second unit covers the growth, development, and modes of reproduction in different plants and animals. In the third unit, you'll learn about sensory receptors, photosynthesis, and cycles of energy transfer that occur in nature. Science 7B is about matter and energy. It discusses chemical changes that occur in matter, and it teaches how to identify different forms of energy. The course also covers force fields and the factors that affect their strength. In the first unit, you'll apply the law of conservation of energy to the products and reactants in a chemical reaction. In the second unit, you'll be introduced to gravitational, electric, and magnetic force fields. In the third unit, you'll learn more about energy transformations in objects and systems as you study kinetic energy, potential energy, and thermal energy. Science 8A is an integrated science course that covers topics selected from Earth science and life science. This course discusses genes and inheritance, the evolution of species, and managing energy resources on Earth. In the first unit, you will explain how an organism's genes transfer traits from parents to offspring.

### Middle School Science (6-7-8) A/B Continued

You'll also learn about genetic diversity and genetic mutations. In the second unit, you'll compare the anatomy and development of species to give evidence for evolution. You'll also see how fossils and rock strata on Earth hold important clues about evolution. In the third unit, you will differentiate between renewable and nonrenewable energy resources on Earth. You'll see how energy transforms as it moves from one sphere of Earth to another. In hands-on activities, you'll devise ways to harness and control energy for human benefit. Science 8B is an integrated science course that covers topics selected from Earth and space science, physical science, and life science. This course discusses climate change and methods for confronting it, the physical features of waves and wave technology, and the positive and negative ways that humans and technology affect the Earth and its ecosystems. In the first unit, you'll study the factors that have led to climate change and explore scientific solutions to address these changes. In the second unit, you'll learn how waves and interactions between them can be used to develop new technologies. In the third unit, you'll broaden your knowledge of technology-based and human-based threats to the environment and find ways to reduce their negative impact.

**Grade Level:** 6 - 8

**Classification:** Science

**Semester Options:** A/B

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### MS Earth & Space Science A/B

This is a two-semester middle school class. Earth and Space Science A begins with space. You will observe the phases of the Moon and use scientific evidence to understand how Earth, the Sun, and the Moon interact. You'll also examine other celestial objects in our solar system. This course describes the history of Earth through the study of energy flow, weathering and erosion, the rock cycle, and tectonic plate movements. You will apply an understanding of the three states of matter to explain the water cycle and other systems on Earth. The course ends with a discussion of Earth's natural resources. Earth and Space Science B explains how convection shapes the weather, climate, and movement of ocean currents on Earth. The course takes an in-depth look at climate change and the greenhouse effect in Earth's atmosphere. It draws attention to severe weather events and describes how technology plays a role in keeping communities safe. It also explores how the growing human population poses challenges for the distribution of Earth's natural resources today and in the future.

**Grade Level:** 6 - 8

**Classification:** Science

**Semester Options:** A/B

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## Science

## Physical Science A/B

Science is the study of the natural world. It relies on experimentation and evidence to describe the natural events that occur around us. Physical science is the study of matter and energy. In Physical Science A, you'll describe the atomic and molecular structure of substances using models. You will investigate how chemical reactions involve energy and lead to changes in properties of substances. You'll also model different kinds of forces and the effect they have on the motion of objects. You'll solve problems involving work and power and apply these principles to simple machines. Finally, you will see how simple machines make up more complex machines that are important in our lives. In Physical Science B, you'll investigate gravitational, electric, and magnetic force fields and identify factors that determine their strength. You'll apply concepts of electricity and magnetism to explain how motors, generators, and electromagnets work. You will discuss energy transformations in objects and systems, including how heat flows between objects that are at different temperatures. You will model how sound and light travel as waves and how they interact with different forms of matter. Finally, you'll explore how electromagnetic waves help us communicate with one another and collect information about the universe.

**Grade Level:** 6 - 8**Classification:** Science**Semester Options:** A/B

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## Science 6 with Virtual Labs

Science 6 with Virtual Labs is an integrated science course based on the Next Generation Science Standards (NGSS). The content covers all three dimensions incorporated by NGSS: disciplinary core ideas, science and engineering practices, and crosscutting concepts. The course robustly meets NGSS learning standards associated with sixth-grade integrated science (NGSS Appendix K: Revised Conceptual Progressions Model, p. 19). Semester A focuses on basic physical science and earth and space science. Semester B focuses on the history of the Earth, ecosystems, and weather and climate. In this course, students complete teacher-graded labs in the Course Activities and Unit Activities. This version of Science 6 has been designed so that all labs are virtual. Students will still be able to plan and execute investigations through carefully designed simulations and videos. They will also be able to design experimental setups and analyze data and visuals derived from real-world experiments.

**Grade Level:** 6**Classification:** Science**Semester Options:** A/B

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## Science 7 with Virtual Labs

Science 7 with Virtual Labs is an integrated science course based on the Next Generation Science Standards (NGSS). The content covers all three dimensions incorporated by NGSS: disciplinary core ideas, science and engineering practices, and crosscutting concepts. The course robustly meets NGSS learning standards associated with seventh-grade integrated science (NGSS Appendix K: Revised Conceptual Progressions Model, p. 19). Semester A focuses on cells, the life cycle, and nutrition. Semester B focuses on chemical reactions, force fields, and energy. In this course, students complete teacher-graded labs in the Course Activities and Unit Activities. This version of Science 7 has been designed so that all labs are virtual. Students will still be able to plan and execute investigations through carefully designed simulations and videos. They will also be able to design experimental setups and analyze data and visuals derived from real-world experiments.

**Grade Level:** 7**Classification:** Science**Semester Options:** A/B

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## Science 8 with Virtual Labs

Science 8 with Virtual Labs is an integrated science course based on the Next Generation Science Standards (NGSS). The content covers all three dimensions incorporated by NGSS: disciplinary core ideas, science and engineering practices, and crosscutting concepts. The course robustly meets NGSS learning standards associated with eighth-grade integrated science (NGSS Appendix K: Revised Conceptual Progressions Model, p. 19). Semester A focuses on genes, evolution, and the Earth's energy. Semester B focuses on Earth's changing climate, waves, and human impact on the Earth. In this course, students complete teacher-graded labs in the Course Activities and Unit Activities. This version of Science 8 has been designed so that all labs are virtual. Students will still be able to plan and execute investigations through carefully designed simulations and videos. They will also be able to design experimental setups and analyze data and visuals derived from real-world experiments.

**Grade Level:** 8**Classification:** Science**Semester Options:** A/B

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## Social Studies

### Civics

Civics is a course that offers alignment to a variety of state and national standards sets for Civics and Government, as well as alignment to the USCIS Naturalization test. The course includes a variety of unit and lesson activities that examine the history, geography, culture, and economy of the state that encourage research and reflection. In these activities, you will examine founding documents and landmark Supreme Court cases in American political history, analyze changes in federal and executive power over time, explore the political election process and data related to recent voting trends, research and propose a public policy plan, as well as compare and contrast the functions of the national government with state and local governments. In addition, the course includes an entire unit with content to prepare for the USCIS Naturalization test. You can also access a worksheet with all 100 items from the USCIS test. Throughout the course, places where you can find or research answers to these questions are highlighted. Students can access this information by selecting the following callout image onscreen.

**Grade Level:** 6-8  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Contemporary World A/B

The Contemporary World is a two-Semester course. Semester A, is a single-Semester course designed to strengthen your knowledge about the modern world. In the first unit, you will explore how geography can help you gain a better understanding of the world and its people. In the second unit, you will learn about the influence of culture on the world. In the third unit, you will discover the relationship between art and society and study migration and population distribution. In the last unit, you will learn about the effect of physical processes on the environment and look at the ways people have adapted to and modified physical environments. Semester B, is a single-Semester course designed to strengthen your understanding of government in the modern world. In the first unit, you will study the role of government and the responsibilities of citizens in contemporary societies. In the second unit, you will learn about democracy in the United States, and you will look at the structure of the Constitution. In the third unit, you will explore the functions of the US legal system as well as understand the rights and responsibilities of US citizens. Toward the end of this course, you will learn about the factors affecting the development of global trade and examine the structure and function of the US economy.

**Grade Level:** 6 - 8  
**Classification:** Social Studies  
**Semester Options:** A/B

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### Middle School US History A/B

In Middle School US History, Semester A, you'll learn about major events that took place in American history. In the first unit, you'll evaluate historical data to develop your historical thinking skills. In the second unit, you'll learn about the major events and developments of colonial America. In the third unit, you'll analyze the causes and effects of the American Revolution. In the last unit, you'll explore developments in the new nation, including the creation of the US Constitution, the Federalists and AntiFederalists, the administrations of George Washington and John Adams, and the importance of the election of 1800. In Middle School US History, Semester B, you'll learn about major events that took place in American history. In the first unit, you'll analyze the importance of the Louisiana Purchase, the War of 1812, industrialization, and the Monroe era. In the second unit, you'll examine the Jacksonian era, the impact of westward expansion, the reform movements of the mid-1800s, and the abolitionist movement. In the third unit, you'll learn about the Civil War. You'll analyze the factors that led to the Civil War and the impact of the war on the United States. In the last unit, you'll explore the Reconstruction period.

**Grade Level:** 6 - 8  
**Classification:** Social Studies  
**Semester Options:** A/B

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### Middle School World History A/B

This is a two-Semester course. In Semester A, you'll learn about major historical events that took place around the world. In the first unit, you will trace the development of early humans. You will also be introduced to the Neolithic Revolution. In the second unit, you will study the development of early civilizations of the Middle East and North Africa. In the third unit, you will analyze the development and characteristics of early civilizations of India and China. You'll also explore the origins and beliefs of Hinduism and Buddhism. In the last unit, you will learn about the later civilizations of the Mediterranean and the Middle East. In Semester B, you'll learn about major historical events that took place in the world. In the first unit, you will learn about the developments and characteristics of classical civilizations in Asia and the Americas. In the second unit, you'll trace the development of classical Greece and Rome. In the third unit, you'll analyze the development and characteristics of the early medieval period. In the fourth unit, you'll learn about the growth of civilizations in Africa and Asia during the late medieval period. In the last unit, you'll analyze the transformation of western Europe during the late Middle Ages.

**Grade Level:** 6 - 8  
**Classification:** Social Studies  
**Semester Options:** A/B

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## Social Studies

### Washington State History A/B

Washington State History is an engaging, interactive course that offers students a chance to delve into topics in civics, economics, geography, and history, including world history, US history, and Washington state history. Features of the course like interactive timelines and click-to-see interactions will increase student engagement while still encouraging the growth of skills associated with understanding social studies. Each unit of the course aligns to Washington state standards, and teachers will find that the course also aligns to English Language Arts (ELA) Standards for History and Social Studies. In semester A, students will study a range of topics, including skills that historians use when studying the past, the many facets of US government and Washington state government, followed by an exploration of economic concepts. Semester B focuses first on an examination of geography and culture before turning to a discussion of historical topics including the history of the state of Washington from the pre-Columbian era to the present day.

**Grade Level:** 6 - 8

**Classification:** Social Studies

**Semester Options:** A/B

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### World Geography A/B

This is a two-Semester course. In Semester A, you will learn about these special features which drive economic development and form the locales where people settle. Course Goals By the end of this course, you will be able to do the following: Analyze factors that contribute to Earth's climate. Examine processes that shape the physical environment. Analyze patterns of human settlement. Analyze the relationship between natural resources and economic development. Analyze the human and physical geography of North America and South America. In Semester B, you will learn about these special features which drive economic development and form the locales where people settle. Course Goals By the end of this course, you will be able to analyze the human and physical geographies of the following regions: Europe, Asia, Africa, Australia and New Zealand.

**Grade Level:** 6 - 8

**Classification:** Social Studies

**Semester Options:** A/B

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**“Greenways  
has allowed  
for normalcy  
in our lives.  
My son has  
been able to  
go to school  
without the  
stress and  
ridicule.”**

**— Chris M, Mother**





# HIGH SCHOOL COURSES



## Agriculture

### Agriscience I Introduction

In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

**Grade Level:** 9 - 12

**Classification:** Agriculture

**Semester Options:** A

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### Agriscience II Sustaining Human Life

Science and technology are revolutionizing many areas of our lives, and agriculture is no exception! From aquaculture to generic engineering, agriscience is finding new ways to better produce and manage plants, animals and other natural resources. In Agriscience 2, you'll build on your existing knowledge of plant and animal science and delve deeper into important areas such as soil science and weed management. You'll also explore research on plant and animal diseases as well as the insects and other pests that can impact agricultural enterprises and natural resources.

**Grade Level:** 9 - 12

**Classification:** Agriculture

**Semester Options:** B

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### Principles of Agriculture, Food & Natural Resources

Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

**Grade Level:** 9 - 12

**Classification:** Agriculture

**Semester Options:** 2 Semesters

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### Principles of Agriculture, Food, & Natural Resources A/B

Throughout this two-Semester course, your students will learn about various career options in the agriculture, food, and natural resources industries. They will learn about technology, safety, and regulatory issues in agricultural science. They will also learn about some topics related to agriculture, such as international agriculture and world trade, sustainability, environmental management, research, development, and future trends in the industry. The course helps students navigate the rising demand for sustainable food sources while also meeting the challenge of producing higher yields to feed a growing world.

**Grade Level:** 9 - 12

**Classification:** Agriculture

**Semester Options:** A/B

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## Business Management & Administration

### Accounting A/B

The Bureau of Labor Statistics identifies accounting as one of the best careers for job growth in the next decade. This two-Semester course empowers high school students with the essential skills they need to understand accounting basics. Goals in Semester A include: Apply fundamental accounting and bookkeeping concepts to evaluate businesses. Explain the fundamental accounting cycle. Apply accounting principles to prepare books of accounts. Prepare financial statements for businesses. Identify various career options in accounting. Explain the key government regulations and important internal controls in accounting. Goals in Semester B include: Identify accounting functions for different types of business ownership. Analyze financial statements to determine a firm's financial condition. Explain specialized accounting procedures to track cash flow. Describe payroll concepts and procedures to calculate payroll earnings. Describe tax accounting functions for different types of firms. Identify interpersonal and professional skills required for a successful accounting career. Describe the use of information technology in accounting.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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### Advertising, and Sales Promotion

Great marketing strategies can be powerful. Every year companies spend approximately \$200 billion promoting their products and services - and that's just in the United States alone! Explore how marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. Learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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### Business Applications

Business Applications prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software. This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications.

### Business Applications (Cont.)

Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them. Business Applications is an introductory level Career and Technical Education course applicable to programs of study in business, management, and administration; information technology; and other career clusters. This course is built to state and national standards. Students who successfully complete the course can go on to obtain the Microsoft® Office Specialist: Microsoft® Office Word certification.

**Grade Level:** 9 - 12

**Classification:** Business

**Semester Options:** 1 Semester

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### Business Communications 1A: Introduction

No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Business Communications 1B: Listen, Speak, & Write in the Workplace

You've learned your audience, found your voice, and can read the body's unspoken words. Now, it's time to limber up those fingers and learn the P's and Q's of communicating in a business setting. In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Business Management & Administration

### Business Information Management A/B

This two-Semester course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. There are three Course Activities (2 in Semester 1 and 1 in Semester 2) that you need to work on throughout the duration of the course. These activities are long-term projects spread over the length of the course. The due dates for these activities are to be determined by the course instructor. Semester 1 will cover the needs for technology in business organizations and how businesses use hardware, software, Internet, and emerging technologies. This course also covers productivity applications such as word processing software and spreadsheet software. Semester 2 covers the use of presentation software for preparing, enhancing, and delivering business slideshows. It also covers how databases are used to store data and improve the decision-making capabilities of business organizations. Additionally, the course covers the principles of website design and project management in business organizations.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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### Business Information Management 1A: Introduction

Do you dream of owning your own business someday, or working for a company in a leadership position? Wherever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you're on the path to success. Let's explore your passion for business in this course!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Business Information Management 1B: Data Essentials

Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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### Business Law 1A: Introduction

Whether you plan on starting your own business or being in charge of one, it is crucial you understand how to keep the company compliant. Explore what it means to run an ethical business, how to keep intellectual property, technology, and e-commerce safe and protected, understand insurance and taxes, and how to have a healthy workplace environment. Keep the business safe and growing by following the law.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

[BACK](#)

### Business Law 1B: Legal Aspects of Business

Whether you plan to start your own business, work for an organization, or go into law, it's essential to understand more complex legal requirements that impact business operations and decisions. This is especially true as companies grow and expand domestically and internationally. Explore the differences between criminal and civil law. Examine how state and federal regulations work to protect consumer and employees' rights, protect society and the environment, and understand how business contracts can work to protect everyone.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

[BACK](#)

## Business Management & Administration

### Business Ownership 1A: Introduction

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Business Ownership 1B: Reach for the Stars

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Career Explorations

This one-semester course is intended as a practical, hands-on guide to career exploration and planning. This course has 16 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. The course ends with a Course Activity in which you will create two essential components of a career portfolio: a résumé and a cover letter for applying for an entry-level job in your chosen career. This course covers all of the career clusters in the National Career Clusters Framework. You'll explore the career pathways within each cluster, determine the academic and skill requirements for different career pathways, and learn about the jobs available in each pathway and the work these professionals do. This course will also guide you through the process of creating an academic and career plan based on your interests, abilities, and life goals.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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### Digital Design 1A: Introduction

Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business all while building a portfolio. Let's align your skills and dreams today for a career in digital design.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Digital Design 1B: Express Your Ideas Visually

Are you ready to dig deeper and discover more about the world of digital design? In this course, you will continue building the foundational skills necessary to become a successful graphic designer. You will learn and apply effective communication and people skills, explore and implement the design process, create images, properly use equipment, and evaluate and market your own designs. By the end of the course, you'll better be able to decide if a career in digital design is for you... and if the answer is yes, you'll be well on your way to designing a bright future!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Business Management & Administration

### Entrepreneurship 1A: Introduction

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Entrepreneurship 1B: Make Your Idea a Reality

You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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### Entrepreneurship A/B

This is a two semester course. In the first semester, you will learn to identify the components of a business plan, describe ideation and innovation in products and pricing, explain the market research process, and list various management functions of operations management. This semester will cover the roles and attributes of an entrepreneur, marketing and its components, the selling process, and operations management. In the second semester, you will be able to explain the concept of accounting, identify different firm ownership structures, explain the importance of business ethics, and describe the scope of quality management. This semester will cover the different types of capital that a business needs at different stages, the nature of legally binding contracts, the different functions of the human resources division of a company, and the types of risks that entrepreneurs face.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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## Essential Career Skills

This one-Semester course helps students understand and practice critical life and workplace readiness skills identified by employers, state boards of education, and Advance CTE. These skills include personal characteristics, such as positive work ethic, integrity, self-representation, and resourcefulness, as well as key people skills, communication skills, and broadly-applicable professional and technical skills. These skills are universally valuable but sometimes assumed or glossed over in more career-specific courses. For that reason, this provides students with a solid foundation in their career studies.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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### Human Resource Management 1A: Introduction

Are you ready to step into a critical leadership role that oversees the development of every successful business' most valuable resource? In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! Are you ready to help develop invaluable human resources that are the heart of a company and help your company thrive? Learn how to create a winning culture through human resources!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Human Resource Management 1B: COMING SOON!

Check back soon for more information!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Business Management & Administration

### International Business

From geography to culture, Global Business is an exciting topic. This one-Semester course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are all explored in this course. Students cultivate an awareness of how history, geography, language, cultural studies, research skills, and continuing education are important in business activities and the 21st century.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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### International Business: Global Commerce in the 21st Century

From geography to culture Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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## Introduction to Finance

This one-Semester course is designed to enable students at high school level to develop financial skills that they can use during in their careers in business organizations. Financial literacy is an increasingly essential capability as students prepare for the workforce, and this 18-lesson course provides the information they need to determine if a career in finance is right for them. The course uses games and online discussions to effectively facilitate learning, while introducing your learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the finance industry.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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## Legal Admin Specialist 1A: Introduction

Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

[BACK](#)

## Legal Admin Specialist 1B: Taking Care of the Legal Office

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Business Management & Administration

### Management 1A: Introduction

From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Management 1B: Insight & Oversight

Every business and company needs management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

[BACK](#)

## Manufacturing: Product Design and Innovation

Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry including those for engineers, technicians, and supervisors. As a culminating project, you'll plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting and fruitful the industry can be.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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## Marketing 2A: Global Business and Trade

Can you think of a brand that first launched in the U.S. and then became popular in other countries? Facebook™ did this very thing! Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. Discover how business and marketing works around the world. You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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## Marketing 2B: Developing a Sales Team

How does a business make money? If you said sales, then you're right! This course explores the secrets to sales. You'll learn expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Business Management & Administration

### Marketing Foundations 1A: Introduction

Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

[BACK](#)

### Marketing Foundations 1B: Building Your Base

Dig deeper into the world of marketing and what it means for business success! Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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### Marketing, Advertising, and Sales

Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. This one-Semester course effectively helps your students prepare for a career in that environment through a comprehensive look at essential marketing principles, interactive tools and channels, and the growing impact of data in marketing and advertising. Simple to manage and easy to customize, the course provides an overview of all of the fundamental topics necessary to effectively put your students on a career path that unleashes their creativity and develops and leverages their critical thinking skills.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

[BACK](#)

## Medical Office Administration 1A: Introduction

Caring for a patient takes more than a medical degree: it takes a team! In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of a portfolio. Let's march through the waiting room and throw open the doors to a career as a Medical Office Admin today!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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## Medical Office Administration 1B: Vital to the Front Office

You have learned some of the basics of what it takes to become a successful medical office administrator, and now, it's time to grow your understanding even further! In this course, you will complete a deeper dive about the variety of roles available in the medical office along with the skills needed to not only run the front of the office but to excel in the position as well. Finally, you'll focus on you and how to apply all that you've learned to get your foot in the door to begin a career in medical office administration. Let's get started!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Office Administration 1A: Introduction

Businesses worldwide and across every industry are always on the lookout for highly skilled administrative professionals to help their business be successful and thrive. Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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## Business Management & Administration

### Office Administration 1A: Introduction

Businesses worldwide and across every industry are always on the lookout for highly skilled administrative professionals to help their business be successful and thrive. Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Office Administration 1B: Running the Office

You have learned some of the skills that an administrative professional must possess, but now it's time to take those skills to the next level! You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing. Do you love the idea of being the glue in a successful business, helping everything run smoothly and properly? Then let's continue your journey into the career of an administrative professional!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

[BACK](#)

### Principles of Business, Marketing & Finance

This two-Semester course has a broad application for almost every career path that your students might choose. This course supplies both essential career skills and life skills. Designed for early high school students, the course offers you the flexibility to customize it to the unique needs of your program and your students. Interactive games and other engaging online and offline activities make practical real-life application of essential business principles understandable useful in the daily lives of your students and in the careers that they choose.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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### Principles of Business, Marketing, Finance 1A: Introduction

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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### Principles of Business, Marketing, and Finance 1B: Targeting Your Business Insight

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

[BACK](#)

### Principles of Human Services

This two-Semester course is designed to enable all students at the high school level to develop the critical skills and knowledge necessary in the human services industry. Students will learn about various personal characteristics that they need to demonstrate in the workplace, such as integrity, and positive work ethics. This course covers topics such as employability skills, counseling and mental health services, and consumer services. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the human services field.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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## Business Management & Administration

### Principles of Manufacturing

PLATO Course Principles of Manufacturing, Semester A, is intended to help you familiarize yourself with the evolution of manufacturing and describes manufacturing processes and systems. This course has twelve lessons organized into three units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities. This course will cover the history and evolution of manufacturing, manufacturing processes, engineering design, and production systems. Semester B, is intended to help you familiarize yourself with quality control systems, importance of maintenance and marketing, and identify key professional and personal skills that are helpful in having a successful career in the field of manufacturing. This course has sixteen lessons organized into four units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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### Principles of Transportation, Distribution, and Logistic

This course is intended for you to familiarize yourself with the knowledge and skills required for a career in Transportation, Distribution, and Logistics (TDL). Semester A has 16 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the evolution of the TDL industry, various modes of transportation, and the role of the TDL industry in world trade and globalization. It also covers career opportunities in TDL. In addition, it covers workplace skills, such as positive work ethics, integrity, and selfrepresentation. Finally, this course covers communication and interpersonal skills required to be successful in the workplace. Semester B is intended for you to familiarize with knowledge and skills required for a career in Transportation, Distribution, and Logistics (TDL). Semester B has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the basic concepts of warehousing and workplace safety. It also familiarizes you with organization management and leadership skills. In addition, this course covers the role of technology and future trends in the TDL industry.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A/B

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### Professional Communication

Check back soon for more information!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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## Professional Sales and Promotion 1A: Introduction

"Sell me this pen." It seems like an easy request, but the art of selling takes nuance, expertise, and an ability to navigate the complexities of client needs. In this course, you'll learn about the bigger picture of the sales cycle. You'll examine the role of today's sales professional along with the skills and qualities needed for success, and you'll learn the ins and outs of the sales process and how it is driven by recognizing and responding to customer needs. Before long, you'll be a part of the well-oiled engine that drives the entire commercial economy. But first, can you sell me this pen?

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** A

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## Professional Sales and Promotion 1B COMING SOON

Check back soon for more information!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** B

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## Sports and Entertainment Marketing

Have you ever wished to play sports professionally? Have you dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 2 Semesters

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## Business Management & Administration

### Sports and Entertainment Marketing (.5)

This one-Semester course is intended to help you gain an insight into the field of sports, entertainment, and recreation marketing. This course covers fundamental concepts in sports, entertainment, and recreation marketing. It also covers essential skills related to advertising, sponsorship, and marketing campaigns. In addition, the course covers crucial workplace skills, such as teamwork and leadership skills. This course will help you: Describe the scope and working of the sports, entertainment, and recreation industry. Explore the scope of various marketing functions and its effect on sports, entertainment, and recreation marketing. Explain the effects of workplace skills such as time management, teamwork, work ethics, leadership, and result orientation. Discuss the importance of segmentation and positioning for the success of sports, entertainment, and recreation marketing. Explain the importance of marketing research and quantitative methods in sports, entertainment, and recreation marketing. Discuss the role of advertising, endorsement, and sponsorships in sports, entertainment, and recreation. Discuss the processes of sales and organizational purchases in sports, entertainment, and recreation industry.

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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### Sports and Entertainment Marketing 1A: Introduction

The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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### Touch Systems Data Entry: Keyboard Like a Pro

Watching a keyboard wizard work their magic over the keys is mesmerizing, and now, you can learn the magic of their movements! In this course, you'll build a solid foundation of typing skills, develop good habits and techniques, and build confidence as you become a typing wiz. You'll also learn proper finger placement, correct posture to improve speed and accuracy, and explore future careers where typists thrive. Get ready to become a typing magician today!

**Grade Level:** 9 - 12

**Classification:** Business Management & Administration

**Semester Options:** 1 Semester

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## Communication

### Audio/Video Production I A/B

This two-Semester course is designed to enable all students at the high school level to learn the basics of audio video production. The course will help the students develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. The course is based on Career and Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio/video production industry.

**Grade Level:** 9 - 12  
**Classification:** Communication  
**Semester Options:** A/B

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### Audio/Video Production II A/B

This two-Semester course is designed to enable students at high school level to develop the knowledge and skills related to audio/video techniques that they can use in their careers. This course discusses the elements of audio video production, pre-production activities, media production techniques, and post-production activities. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio video production industry.

**Grade Level:** 9 - 12  
**Classification:** Communication  
**Semester Options:** A/B

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### Audio/Video Production III A/B

This two-Semester course is designed to enable all students at the high school level to students understand the basic concepts in audio video manufacturing. Students will learn about pre-production techniques, advanced production techniques, advanced post-production techniques, mastering production techniques, special effects and animation, careers, and audio video production laws. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in audio video production.

**Grade Level:** 9 - 12  
**Classification:** Communication  
**Semester Options:** A/B

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## Digital and Interactive Media A/B

This two-Semester course is an effective and comprehensive introduction to careers in the rapidly expanding world of digital art. The course covers creative and practical aspects of digital art in lessons that are enhanced with online discussions and a variety of activities. Beginning with a history of digital art, the course goes on to issues of design, color, and layout. While students will experience creation of digital art, they will also learn about converting traditional art to digital formats.

**Grade Level:** 9 - 12  
**Classification:** Communication  
**Semester Options:** A/B

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## Electronic Communication Skills

This one-Semester course is based on Career and Technical Education (CTE) standards to help students prepare for entry into a wide range of careers and/or into post-secondary education. It is designed to enable students at high school level to develop electronic communication skills that they can use in their careers.

**Grade Level:** 9 - 12  
**Classification:** Communication  
**Semester Options:** 1 Semester

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## Graphic Design and Illustration A/B

This is a two-Semester course. Semester A is intended as a practical, hands-on guide to help you understand graphic design concepts, graphic image creation, and image manipulation. Each lesson contains one or more Lesson Activities. This course covers careers you can pursue in graphic design. It also covers training and skills required for a graphic designer. In addition, this course describes how to create images using color and typography and how to manipulate images. It also guides you how to create images using design elements and principles. Finally, this course covers copyright laws and ethics related to the use of graphic design. Semester B is intended as a practical, hands-on guide to help you understand advanced concepts of graphic design, including the creation of graphic products such as logos, posters, and magazine covers. The course will also help you explore concepts of multimedia and digital photography. Each lesson contains one or more Lesson Activities. This course will cover the advanced manipulation of images. It will guide you on how to create graphic products such as logos, posters, and magazine covers. This course also covers multimedia and digital photography. In addition, the course covers art criticism in graphic artwork, digital publishing, and the creation of graphic design portfolio.

**Grade Level:** 9 - 12  
**Classification:** Communication  
**Semester Options:** A/B

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## Communication

### Introduction to Visual Arts

This one-Semester course is designed to enable all students at the high school level to familiarize themselves with different types of visual arts. The students will explore units in: Creativity and Expression in Art, Elements of Art, History of Art, Cultural Heritage of Art, Drawing, Printing, Painting, Graphic Design and Illustration, and Multimedia.

**Grade Level:** 9 - 12

**Classification:** Communication

**Semester Options:** 1 Semester

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### Principles of Arts, Audio/Video Technology, & Communications A

This course is intended as a practical, hands-on guide to help you understand the skills required for achieving success in modern-day careers in the arts, audio/video technology, and communications cluster. This course has 19 lessons organized into four units, with four Unit Activities. Each lesson additionally contains one or more Lesson Activities. This course will cover various topics in the arts, audio/video technology, and communication career cluster.

**Grade Level:** 9 - 12

**Classification:** Communication

**Semester Options:** A/B

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### Professional Communications

This one-Semester course is designed to enable all students at the high school level to develop communication skills they will need to be successful in a profession. Students learn about the key aspects of the communication process. They learn to apply communication protocol and appropriate language skills in professional and social communication. Students also explore effective strategies to address diversity in communication. Finally, students familiarize themselves with reading, writing, speaking, and listening skills. This course covers topics such as communication in business organizations and technology for communication. The course is based on Career Technical Education (CTE) standards designed to help students prepare for communication in a wide range of professions.

**Grade Level:** 9 - 12

**Classification:** Communication

**Semester Options:** A

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## Computing

### 3D Printing and Modeling

In 3D Printing & Modeling, students learn how to sculpt, texture, arrange, and render 3D models in preparation for 3D printing. ; They learn to use Blender®, a powerful open-source, professional 3D Design software used in a variety of disciplines, including design, animation, visual effects and engineering. ; In doing so, students learn the most important concepts for creating within a digital 3D environment, including navigating the XYZ Axes, the importance of low-poly designs, combining and modifying simple shapes to create complex designs, and more. ; This is a project-based course where students take on the role of creator. ; In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. ; Throughout the course, students work with industry-standard tools used by professionals. ; If they need any help along the way with their coursework or projects, students can reach out to experts for support by e-mail, chat, or phone. ; By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, in further study, or professionally.

**Grade Level:** 9 - 12

**Classification:** Computing

**Semester Options:** 1 Semester

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### Animation 1A: Introduction

Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!

**Grade Level:** 9 - 12

**Classification:** Computing

**Semester Options:** A

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## Computing

### Animation 1B: Animating Your Curiosity

It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

**Grade Level:** 9 - 12

**Classification:** Computing

**Semester Options:** B

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### Coding 1A: Introduction to Programming

Have you ever wondered how your favorite webpages or apps function? Learn about the influence of computers on our daily life, the purpose of programming languages, and how computers function. Experiment with Python to explore algorithms, syntax, and data structures while putting the software development cycle into practice by starting to plan and develop your own app in the Capstone Project. Discover the potential of a career in this field!

**Grade Level:** 9 - 12

**Classification:** Computing

**Semester Options:** A

[BACK](#)

### Coding 1B: Programming

Building on the prior prerequisite course, nurture your understanding of programming to take on new challenges! Discover a variety of development tools to create code while learning about methods for modular programming and coding structures. Explore security considerations, like encryptions, and toolkits to elevate your coding skills! Finally, start creating your own comprehensive software for the web and move through programming problems as part of the Capstone Project.

**Grade Level:** 9 - 12

**Classification:** Computing

**Semester Options:** B

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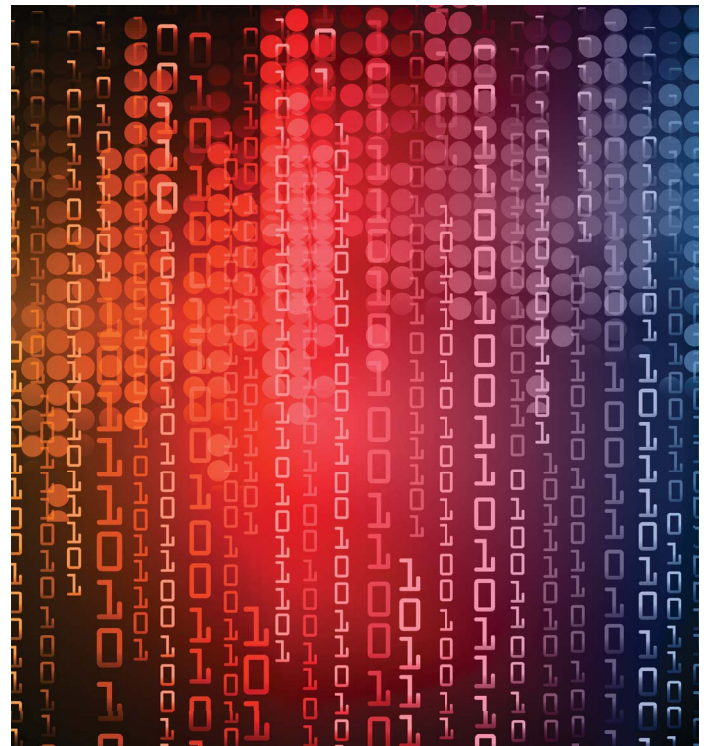
## Computer Science Essentials

Computer Science Essentials offers a focused curriculum designed around foundational computer science concepts, including computer systems, programming, networks, and data management. The course also introduces students to foundational computer science skills such as coding, troubleshooting, and being a responsible digital citizen. Course topics include the history and impact of computers; careers in computer science; computing laws and ethics; bias and equity issues in computing; algorithms and coding; data storage, organization, and analysis; hardware and software; robotics; networks and the internet; cybersecurity and online safety; website design; and the use of abstraction in computing. Students discover new concepts through guided instruction and confirm their understanding in an interactive, feedback-rich environment. A variety of activities encourage students to explore different aspects of computer science. Lab activities guide students through coding their own programs. Project and Explore activities reinforce critical thinking, research, writing, and communication skills. In addition, Project activities guide students through the development of different types of computer artifacts. In Discussions, students conduct research on current computing topics and then exchange ideas with their peers. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing, reasoning, and computer literacy skills.

**Grade Level:** 9 - 12

**Classification:** Computing

**Semester Options:** A/B

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## Computing

### Computing for College and Careers

Semester A is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 20 lessons organized into five units, plus five Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover basic computer hardware and software and productivity applications such as word processing software, spreadsheet software, and presentation software. This course also covers the Internet and emerging technologies. Semester B is intended as a practical, hands-on guide to help you understand some of the advanced computer skills required during your college education or when pursuing a career. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover advanced concepts, such as computer networks, complex operations in spreadsheet and database programs, and the process of creating a website. In each Semester, you will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit respectively, and an end-of-Semester test. All of these tests are a combination of simple multiple-choice questions and technology enhanced (TE) questions.

**Grade Level:** 9 - 12  
**Classification:** Computing  
**Semester Options:** A/B

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## CTE

### 3D Animation

3D Animation teaches students how to create their own animated 3D movie while also learning the fundamentals of animation. Using Blender, a professional open-source 3D animation software, students use the same industry-standard techniques and workflows as animators in leading animation studios. By the end of the course, students will complete an incredible 3D Animation that they created from scratch. This is a project-based course where students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the course, students work with industry-standard tools used by professionals. If they need any help along the way with their coursework or projects, students can reach out to experts for support by e-mail, chat, or phone. By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, in further study, or professionally.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

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### 3D Character Animation

In 3D Character Animation, students will animate their own Minecraft® story. Using professional animation software, they will learn concepts of storytelling, cinematography, and composition, along with key principles of animation, to create an exciting, unique story. This is a project-based course where students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the course, students work with industry-standard tools used by professionals. If they need any help along the way with their coursework or projects, students can reach out to experts for support by e-mail, chat, or phone. By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, in further study, or professionally.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

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## CTE

### 3D Game Design

In 3D Game Design, students learn the basics of 3D video game design including models, textures, volumes, lighting, and more. Students will create their own amazing 3D world from start to finish. This is a project-based course where students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the course, students will use a 3D game design program called OWL Game Creator, which mirrors professional tools and allows students to quickly create complex 3D games. If they need any help along the way with their coursework or projects, students can reach out to experts for support by e-mail, chat, or phone. By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, in further study, or professionally.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

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### 3D Game Development

In 3D Game Development, students learn the fundamentals of Coding in C# and game development skills by using Unity®, an industry-standard tool. Students will design their own custom video game just like the pros. This is a project-based course where students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the course, students work with industry-standard tools used by professionals. If they need any help along the way with their coursework or projects, students can reach out to experts for support by e-mail, chat, or phone. By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, in further study, or professionally.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)

### 3D Modeling 1A: Introduction

Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods! By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself!

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** A

[BACK](#)

### 3D Modeling 1B: Set the Scene

Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of world around. Are you ready to bring beautiful objects to life in a 3D world? Let's get started today!

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** B

[BACK](#)

### Careers in Criminal Justice 1B: Finding Your Specialty

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, federal, and international levels, and even in the private sector. Explore some of the various occupations in this field through this course, while simultaneously learning how they interact with each other and other first responders. Discover important aspects of criminal justice careers, such as implementing interviewing techniques, collaborating with other agencies and departments, cooperating with global partners, and communicating with various audiences. All of these tasks are completed while understanding the importance of ethical decision making in criminal justice. It is important to know and have the character required to know the difference between right and wrong to be successful in this field. If a career in criminal justice is something you hope to pursue, the course ends with some helpful information for finding employment in criminal justice.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** B

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## CTE

## Concepts of Engineering & Technology

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you'll need to succeed in these fields. You'll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)

## Cosmetology 1: Cutting Edge Styles

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology: Cutting-Edge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 2 Semesters

[BACK](#)

## Cosmetology 2: The Business of Skin & Nail Care

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)

## Cosmetology 3A: Introduction to Hair Skills

Develop your skills in the rewarding field of cosmetology! You will be exposed to the complexities of this field by learning to perform a hair, scalp, and skin analysis. You will also learn about hair types, face shapes, and color theory. Finally, color techniques are covered with an emphasis on salon and chemical safety, effectively preparing you for a career in cosmetology!

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** A

[BACK](#)

## Cosmetology 3B: Waving, Coloring & Developing Hair Skills

Building on the prior prerequisite course, you will dive into the realm of hair styling and cutting techniques. You will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. You can expect to be well versed with a plethora of hair skills upon completion.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** B

[BACK](#)

## Culinary Arts 1A: Introduction

Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** A

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## CTE

### Culinary Arts 1B: Finding Your Palate

Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** B

[BACK](#)

### Culinary Arts 2: Baking, Pastry & More!

Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 2 Semesters

[BACK](#)

### Culinary Arts

This two-semester course is designed to enable all students at the high school level to learn the basics of culinary arts. Students will trace the origin and development of the culinary arts. They will also discuss important contributions made by chefs, notable culinary figures, and entrepreneurs. They'll analyze how trends in society influence trends in the food service industry. In addition, they'll examine the social and economic significance of the food service industry. This course also covers topics in health, sanitation, and sanitation, culinary skills, and more. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the culinary industry.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** A/B

[BACK](#)

### Cybersecurity 1A: Foundations

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** A

[BACK](#)

### Cybersecurity 1B: Defense Against Threats

Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** B

[BACK](#)

### Fashion Design

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

[BACK](#)

## CTE

**Food Handler and Food Manager Certifications**

The Food Handler and Food Manager Certifications course is a single-semester course designed to help you learn what you need to know to be successful in competency examinations for certified food handlers and food managers. The five units of the course arm you with the knowledge and skills to provide safe food to customers as a food handler or food manager.

- Unit 1 introduces you to the principles of food safety and describes crosscontamination and food allergies.
- Unit 2 focuses on personal hygiene, the correct use of gloves, and other hygiene practices.
- Unit 3 explains the importance of time and temperature control and procedures for purchasing, receiving, storing, prepping, cooking, holding, cooling, reheating, and serving food.
- Unit 4 helps you differentiate between cleaning and sanitizing and describes procedures for cleaning and sanitizing surfaces, equipment, dishes, and the facility. It also helps you understand how to create an integrated pest management system.
- Unit 5 identifies regulatory authorities and describes a manager's role in food safety and during an inspection

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)**Forestry and Natural Resources**

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

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**“There would  
be no way my  
son would  
finish high  
school on  
time without  
Greenways  
Academy and  
their support,  
I can’t thank  
them enough.”**

**— Lynn, Mother**



## CTE

### Hospitality and Tourism 1: Travelling the Globe

Where is your dream travel destination? Now imagine working there! You'll be introduced to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around leisure and travel, spotting trends, and planning events are just a few of the key aspects you will explore within this exciting field.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

[BACK](#)

### Hospitality and Tourism 1A: Hotel & Restaurant Management

If you love working with people, a future in hospitality may be for you. In Part A of Hospitality and Tourism 2: Hotel and Restaurant Management, you will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. As well, you will discover trends and technological advances that makes each industry exciting and innovative. In Part A, you can explore a variety of interesting job options from Front Desk and Concierge services to Maître d' and food service.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

[BACK](#)

### Hospitality and Tourism 1B: Hotel & Restaurant Management

Prepare yourself for a high energy career in hotel and restaurant management. Building upon the prior prerequisite course, learn about different management styles and how to develop job descriptions and business plans. Important topics, such as the laws and regulations that govern hotels and restaurants will also be covered. Preparing menus, advertising vacancies, performing interviews, and how to be financially conscious will all be discussed, making this course a comprehensive tool for those planning on entering the hotel and restaurant management industry.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

[BACK](#)

### Human & Social Services 1

If you love working with people, a future in hospitality may Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human and Social Services 1, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 2 Semesters

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### Interior Design

Do you have a flare for designing and decorating? If so, this course will show you how to turn your interests and skills into a career. From professionals who own their own business to those working within a larger company, interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily. You'll learn about color, texture, trends and styles over time, how homes are built, and "green" options for homes and businesses. Most importantly, you'll learn how to work with a client to meet their unique needs and style requirements. This course will help you to identify parts of interior design that are most interesting to you, helping you to chart the path for your future.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

[BACK](#)

### Introduction to Fashion Design

Introduction to Fashion Design is a one-semester course intended to introduce students to the basics of fashion design. This course is designed to provide students insight on the history of fashion and its place in the modern world and to help them understand terms and concepts related to fashion. From the inspiration for a garment to creating sketches until the final product takes shape is a long process that involves various activities such as fashion forecasting, predicting consumer demand, drafting the designer's worksheet, pricing, etc. This course has seventeen lessons and four Course Activities.

**Grade Level:** 9 - 12  
**Classification:** CTE  
**Semester Options:** 1 Semester

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**CTE**

## Introduction to Military Careers

Introduction to Military Careers is a single Semester course that describes the different careers offered by the US military and its branches. This course begins by describing the US military, including its branches, history, and organizational structure. In this course, you will also learn about the different occupations offered by the military branches and the qualifications required for them. This course also covers enlistment requirements, training, pay systems, and benefits of joining the US military. You will also learn about the importance of personal traits, habits, and good health for a successful career in the military.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)

## Military Careers: Introduction

You've probably seen an old movie about a hotshot naval aviator, or perhaps a more recent film about the daring actions of Special Forces operatives. But do you really know what careers the military can offer you? Introduction to Military Careers will provide the answers. The military is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, you'll learn not only about the four branches of the military (and the Coast Guard) but also about the types of jobs you might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue your dreams.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)



## National Security: Diplomacy, Intelligence, Defense

Do you know what it takes to keep an entire nation safe? Not only does this effort require knowledge on how to handle disasters, but it demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)

## Nutrition & Wellness

Learn how to fuel your body, maintain your emotional and physical health, and find your way around the grocery store and kitchen in Nutrition and Wellness. This course prepares you for a healthy life and provides you with the essential skills you need to plan and make healthy and delicious meals for you, your family, and your friends. You'll learn how to budget for your meals, shop for groceries, and fit cooking into a busy schedule of school, work, and other responsibilities.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

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## Principles of Education and Training

This two-Semester course is designed to enable all students at the high school level to learn the basics of education and training. Students will learn about the various trends and factors that influence the education industry. This course introduces various career opportunities in the field of education. The units in this course include personal and professional skills needed in various education careers, child growth and development, child health, delivering instruction, and technology in education. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the education industry.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** A/B

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**CTE**

## Principles of Hospitality & Tourism

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This two-Semester course emphasizes learning the practical aspects of the industry and the development of critical-thinking skills that lead to real-world solutions. This course will introduce your students to an exciting industry and will help them evaluate and prepare for a career in this growing and exciting industry.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** A/B

[BACK](#)

## Restaurant Management

Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

[BACK](#)

## Workplace and Internship Readiness: Preparing for Work & Life

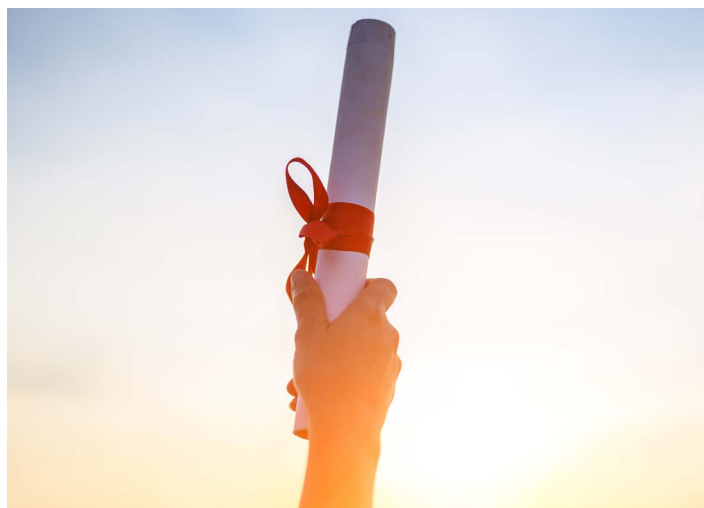
Starting your first "real" job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** 1 Semester

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**Elective**

### Our Unique, Individualized Approach to Electives:

At Greenways, we want students to find and pursue their interests and passions.

Elective credits can be earned at the barn, joining a club, at a gym, by practicing and playing your favorite sport, or further developing or trying out a new pastime, doing community service, or getting an internship. We also have over 100 elective courses online, and we are continually finding and adding more based on the interests of our students.

**What is required:** A professional overseeing the elective to sign hours and assign a grade.

90 hours = ½ credit hour

180 hours = 1 credit hour

## Academic Success

As in other areas of life, success in academics results from learning and practicing positive habits. This one-Semester elective provides practical, hands-on guidance on developing and improving study habits and skills, regardless of a student's level of accomplishment. Academic Success includes five lessons and two course activities in a flexible structure that is adaptable to the needs and circumstances of individual students. The course can also be used for college-level developmental education.

**Grade Level:** 9 - 12

**Classification:** Elective

**Semester Options:** 1 Semester

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## Elective

### Financial Literacy

Financial Literacy helps students recognize and develop vital skills that connect life and career goals with personalized strategies and milestone-based action plans. Students explore concepts and work toward a mastery of personal finance skills, deepening their understanding of key ideas and extending their knowledge through a variety of problem-solving applications. Course topics include career planning; income, taxation, and budgeting; savings accounts, checking accounts, and electronic banking; interest, investments, and stocks; cash, debit, credit, and credit scores; insurance; and consumer advice on how to buy, rent, or lease a car or house. These topics are solidly supported by writing and discussion activities. Journal activities provide opportunities for students to both apply concepts on a personal scale and analyze scenarios from a third-party perspective. Discussions help students network with one another by sharing personal strategies and goals and recognizing the diversity of life and career plans within a group. This course is built to state standards as they apply to Financial Literacy and adheres to the National Council of Teachers of Mathematics' (NCTM) Problem Solving, Communication, Reasoning, and Mathematical Connections Process standards.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** 1 Semester

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### Great Minds in Science - Ideas for a New Generation

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** 1 Semester

[BACK](#)

### Introduction to Social Media

This single semester elective course is intended as a practical, hands-on guide to help you understand the world of social media and how individuals, social groups, and businesses are using different types of social media. You will discuss various types of social media and the technologies that spawned them in the initial two lessons. In the lessons that follow, you will take a closer look at different types of social media—from social and professional networks to geolocation and photo-sharing services. Finally, in the last few lessons you will discuss how technological advances (specifically in mobile devices) and the legal environment impact social media and how businesses use social media in their marketing activities.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** 1 Semester

[BACK](#)

### Journalism 1A: Introduction

Are you a storyteller at heart? Are you always the first one to know what's going on at school or in your town and excited to share the latest breaking news? If so, you are the kind of person every online, print, and broadcast news outlet is searching, and Journalism 1a: Introduction is the perfect course for you! Explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law as well as the code of ethics journalists should follow. Finally, understand how to make your writing and speaking more powerful, and discover the importance of pictures and images when telling a story.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** A

[BACK](#)

### Journalism 1B: Investigating the Truth

If you want to turn your writing, photography, and collaborative skills into an exciting and rewarding career, Journalism 1b: Investigating the Truth is where to begin. Learn how to write a lead that grabs your readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching your story in a digital world. You will also understand the role editors and producers play in the revision process, learn how to prepare your posts for publication, and how to follow the publication process - from the flow of a work day to the layout of a newspaper or a news broadcast.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** B

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## Elective

### Learning in a Digital World: Digital Citizenship

The digital world seems to change every day, and touch more of our lives. We use technology to communicate with friends and family, find never-ending entertainment options, follow our favorite sports teams and fashion trends, and do our school work. In Learning in a Digital World you will get the tools to navigate this exciting and always changing world. Learn about real-world issues and how to solve real-world problems through interactive and hands-on assignments. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** 1 Semester

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### Life Skills: Navigating Adulthood

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count!

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** 1 Semester

[BACK](#)

### Peer Counseling

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and empathic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** 1 Semester

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### Personal Psychology 1: The Road to Self-Discovery

Have you ever wondered why you do the things you do? Have you asked yourself if self-knowledge is the key to self-improvement? Are you interested in how behavior changes as we age? Psychology can give you the answers! In Personal Psychology I: The Road to Self-Discovery, you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** A

[BACK](#)

### Personal Psychology 2: Living in a Complex World

Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology II: Living in a Complex World will you to explore what makes you 'you'. Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now!

**Grade Level:** 9 - 12  
**Classification:** Elective  
**Semester Options:** B

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**Elective****Philosophy: The Big Picture**

This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between.

**Grade Level:** 9 - 12**Classification:** Elective**Semester Options:** 1 Semester[BACK](#)**Psychology A/B**

This two-Semester flexible, customizable course gives your students an overview of the history of psychology while also giving them the resources to explore career opportunities in the field. In Semester A, you will trace the history of psychology and examine key psychological theories. You will discuss human development and explain how the nervous and endocrine systems affect human development and behavior. You will explain various theories related to language development and acquisition. You will discuss the influence of heredity, environment, society, and culture on human behavior. In Semester B, you will explain the established theories of cognitive, psychosocial, and moral development. You will identify the factors that influence interpersonal relationships, recognize the origins and effects of violence, and describe prevention and treatment options for addictive behavior. You will explain abnormal behavior and describe different types of psychological disorders. You will trace the history of psychological counseling and therapy and describe strategies used for problem solving and coping with stress. You will describe some key statistical concepts used in psychological research and testing, and identify career opportunities in psychology.

**Grade Level:** 9 - 12**Classification:** Elective**Semester Options:** A/B[BACK](#)**Public Speaking 1A: Introduction**

Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking 1a: Introduction may be just what you need. In this course, you will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. You will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Grab your notes and get ready to conquer public speaking!

**Grade Level:** 9 - 12**Classification:** Elective**Semester Options:** A[BACK](#)**Public Speaking 1B: Finding Your Voice**

If you've learned the basics and are ready to expand your public speaking skills, Public Speaking 1b: Finding Your Voice is for you. In this course, you'll master the fundamentals of public speaking through practice and eventually learn to speak confidently in front of large groups. Explore the use inductive and deductive reasoning, learn how to prepare a speech outline, and discover how to write your own speech using correct and emotive language. This course will also help you to develop self-efficacy and self-esteem, reduce your fear of public speaking, and teach you how to use body language effectively. You'll also learn how to stand back and critically examine your own work in order to identify areas for improvement.

**Grade Level:** 9 - 12**Classification:** Elective**Semester Options:** B[BACK](#)



## Elective

# Renewable Technologies: Introduction

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

**Grade Level:** 9 - 12

**Classification:** Elective

**Semester Options:** 1 Semester

**BACK**

# Revolutionary Ideas in Science

Revolutionary Ideas in Science is a one-Semester course with 15 lessons that cover the discoveries and inventions in science from pre-historic to present times. This course covers subject areas such as: prehistoric science, technology, ancient and medieval science, the scientific revolution, thermodynamics and electricity, and many more.

**Grade Level:** 9 - 12

**Classification:** Elective

**Semester Options:** 1 Semester

**BACK**

## Social Media - Our Connected World

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Instagram, Pinterest, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

**Grade Level:** 9 - 12

**Classification:** Elective

**Semester Options:** 1 Semester

**BACK**

## English/Language Arts

# Business English A/B

Business English, Semester A, is a single-semester course designed to strengthen your ability to read and write in the workplace. The first unit introduces the business writing process. In the second unit, you'll learn about writing emails and instant messages, as well as examine the role that digital media plays in business. The third unit covers how to format and write specific types of business messages. Business English, Semester B, is a single-semester course designed to strengthen your ability to read, write, and communicate in the workplace. In the first unit, you'll learn about different kinds of workplace documents you may need to read or write on the job. The second unit introduces you to the design and visual components of workplace documents, along with strategies for giving business presentations. The third unit focuses on the role that professional and interpersonal skills play in the workplace. In the fourth unit, you'll learn strategies that will help you find and apply for jobs.

**Grade Level:** 9 - 12

**Classification:** English/Language Arts

**Semester Options:** A/B

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# NOTES

## English/Language Arts

### Creative Writing

This one-semester elective course is intended as a practical, hands-on guide to help you learn and sharpen your skills as a creative writer. This course has 13 lessons and nine Course Activities. Each lesson contains one or more Lesson Activities. In Creative Writing, you will learn about the scope of creative writing and its genres. You will identify the key elements of prose and poetry. You will look at writing for stage, film, and TV. You will learn about theatrical and film techniques, as well as technical effects that are typically used in electronic media. You will look at writing for younger audiences, for advertising, and journalism. You will learn how the publishing industry works. At key points in this course, you will get to assess your own original writing (either through self-review against a set of guidelines or by a peer) and revise it before submission to the instructor. You will notice that extended writing tasks are typically planned for in the lesson activity and actually written in the course activity that follows. This is a writing intensive course. You will spend about 60 percent of your time doing original writing, reviewing, and rewriting. You will do a good deal of your original writing in the course activities. For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.

**Grade Level:** 9 - 12  
**Classification:** English/Language Arts  
**Semester Options:** 1 Semester

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### English Fundamentals Grade 9

English 9 introduces the elements of writing poems, short stories, plays, and essays. Grammar skills are enhanced by the study of sentence structure and style and by student composition of paragraphs and short essays. Topics include narration, exposition, description, argumentation, punctuation, usage, spelling, and sentence and paragraph structure.

**Grade Level:** 9 - 12  
**Classification:** English/Language Arts  
**Semester Options:** A/B

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### World Literature Grade 10

This course focuses on using personal experiences, opinions, and interests as a foundation for developing effective writing skills. Skills acquired in English I are reinforced and refined. Literary models demonstrate paragraph unity and more sophisticated word choice. A research paper is required for completion of course. Topics include grammar, sentence and paragraph structure, organizing compositions, and the research paper.

**Grade Level:** 9 - 12  
**Classification:** English/Language Arts  
**Semester Options:** A/B

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### American Literature Grade 11

English 11A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 11B explores the relation between American history and literature from the modernist period through the contemporary era, and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both Semesters focus on developing grammar, vocabulary, speech, and writing skills.

**Grade Level:** 9 - 12  
**Classification:** English/Language Arts  
**Semester Options:** A/B

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## English/Language Arts

## British Literature Grade 12

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.

**Grade Level:** 9 - 12**Classification:** English/Language Arts**Semester Options:** A/B

BACK

## Gothic Literature

Gothic Literature is a one-Semester course with 14 lessons that analyze the conventions, elements, themes, and other characteristics of Gothic literature. This course covers subject areas such as: morality and spirituality in gothic poetry, Dr. Jekyll and Mr. Hyde, dual personalities, Edgar Allan Poe, Dracula, gothic conventions across time, and many more.

**Grade Level:** 9 - 12**Classification:** English/Language Arts**Semester Options:** 1 Semester

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## Gothic Literature – Monster Stories

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

**Grade Level:** 9 - 12**Classification:** English/Language Arts**Semester Options:** 1 Semester

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## Mythology &amp; Folklore

In this one-Semester class, you will familiarize yourself with various myths, legends, and folklore from around the world. You will describe myths related to the creation of the world, the natural elements, and the destruction of the world. You will identify the main characters of various dynastic dramas, love myths, and epic legends and describe their journeys. You will trace the evolution of folklore and describe folktales from around the world.

**Grade Level:** 9 - 12**Classification:** English/Language Arts**Semester Options:** 1 Semester

BACK

## Mythology &amp; Folklore Legendary Tales

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

**Grade Level:** 9 - 12**Classification:** English/Language Arts**Semester Options:** 1 Semester

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## English/Language Arts

### Reading & Writing for Purpose

This course will introduce you to useful, real-world information by learning to read legal, insurance, employment, and vehicle related documents. You will also explore media bias, trends in journalism, word structures, and research strategies while developing critical reading skills, outline building skills, and identifying good sources of information. This course builds life and study skills, setting you up for success as an adult and post-secondary preparation.

**Grade Level:** 9 - 12

**Classification:** English/Language Arts

**Semester Options:** 1 Semester

[BACK](#)

### Structure of Writing

Structure of Writing is the study of principles of grammar and effective writing, and application of these principles to writing. In this one-Semester course, you will learn about the types of sentences, punctuation marks and grammar rules such as subject verb agreement and tenses; you will also learn about different parts of speech and their correct usage; examine the concept of parallel structure in sentences as well as identify and correct run-on sentences. Finally, you will learn about developing paragraphs and essays.

**Grade Level:** 9 - 12

**Classification:** English/Language Arts

**Semester Options:** 1 Semester

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### The Lord of the Rings: An Exploration of the Films & Their Literary Influences

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

**Grade Level:** 9 - 12

**Classification:** English/Language Arts

**Semester Options:** 1 Semester

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## FACS

### Child Development & Parenting A/B

Semester A is intended to help you familiarize yourself with various aspects of child development and parenting. This course covers the fundamental concepts of parenting and the roles and responsibilities of parents. It also covers essential communication skills related to parent-child interaction. In addition, the course covers important workplace qualities and skills, such as positive work ethics, integrity, and time and resource management. It also covers technology and recent trends in parenting. Semester B is intended to help you familiarize yourself with the various stages of child development as well as the factors that obstruct the healthy development of a child. This course has thirteen lessons organized into three units. This course explains the development, health, nutrition, and safety of children at various stages. In addition, the course covers career opportunities in the field of child care and development.

**Grade Level:** 9 - 12

**Classification:** FACS

**Semester Options:** A/B

[BACK](#)

### Early Childhood Education 1A

Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

**Grade Level:** 9 - 12

**Classification:** FACS

**Semester Options:** A

[BACK](#)

### Early Childhood Education 1B: Developing Early Learners

Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare!

**Grade Level:** 9 - 12

**Classification:** FACS

**Semester Options:** B

[BACK](#)

## FACS

### Family and Consumer Science

Family & Consumer Science is a one-Semester course that prepares students with a variety of skills for independent or family living. Topics covered include child care, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options. Unit 1: Relationships & Child-care; Decision Making Skills, Healthy Relationships & Communication, Childcare. Unit 2: Consumer Science Skills; Food Preparation, Clothing Textiles, Living Environment & Design. Unit 3: Consumer Health; Money Management, Medical Management, Consumer Health. Unit 4: Health & Safety; Healthy Families, Household Safety, Emergency Preparedness. Unit 5: House & Careers; Buying vs Renting, Home & Car Maintenance, Consumer Science Careers.

**Grade Level:** 9 - 12

**Classification:** FACS

**Semester Options:** 1 Semester

[BACK](#)

### Family Living and Healthy Relationships

In this one-Semester course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life – including information on self-discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits. Unit 1: Family Health & Relationships; Family Health, Personal Identity. Unit 2: Dating & Parenthood; Dating & Marriage, Pregnancy, Parenthood. Unit 3: Human Growth & Development; Infancy & Childhood, Adolescence & Adulthood. Unit 4: Skills for Family Living; Household Responsibilities, Communication, Goal Setting & Decision Making. Unit 5: Coping Skills; Coping Skills, Time & Stress Management, Mental Health. Unit 6: Healthy Families, Healthy Living, Safety.

**Grade Level:** 9 - 12

**Classification:** FACS

**Semester Options:** 1 Semester

[BACK](#)

### Real World Parenting

The process of parenting is more than just having a child and making sure they eat, sleep and get to school on time. Learn what to prepare for, what to expect, and what vital steps a parent can take to create the best environment and life for their child. Parenting roles and responsibilities; nurturing and protective environments for children; positive parenting strategies and effective communication in parent/child relationships are some of the topics covered in this course.

**Grade Level:** 9 - 12

**Classification:** FACS

**Semester Options:** 1 Semester

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## Fine Arts

### Art History & Appreciation

This one-Semester course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

**Grade Level:** 9 - 12

**Classification:** Fine Arts

**Semester Options:** A

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## Fine Arts

### Art in World Cultures

Who do you think is the greatest artist of all time? Maybe Leonardo da Vinci? Michelangelo? Maybe a more modern artist like Claude Monet or Pablo Picasso? Or is it possible that the greatest artist of all time is actually someone whose name has been lost to history? In Art in World Cultures, you'll learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores basic principles and elements of art and teaches you how to critique different art works art. And along the way, you will get to discover some traditional art forms from various regions of the world including the Americas, Africa, and Oceania.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** A/B

[BACK](#)

### Digital Photography 1A: Introduction

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** A

[BACK](#)

### Digital Photography 1B: Creating Images with Impact

Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring you photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** B

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### Digital Photography II Discovering Your Creative Potential

In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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### Music Appreciation

This one-Semester elective course is intended as a practical, hands-on guide to help you understand, discuss, and appreciate music more knowledgeably. You will explore the history and evolution of music. You will also learn about the concepts and techniques in music and music listening. You will also learn about musical instruments, famous composers and artists, and key musical genres.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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### Music Appreciation – The Enjoyment of Listening

Music is part of everyday life and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This full-year course provides students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the 21st Century. Students acquire basic knowledge and listening skills, making their future music experiences more informed and enriching.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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## Fine Arts

### Professional Photography A/B

This two-Semester course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in photography careers. Semester A has 14 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. Semester A will cover various topics in photography, such as history of photography, types of photography, types of camera, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos. Semester B will cover various topics in photography, such as camera exposure settings, portrait photography, advertising photography, architectural photography, photographic special effects, retouching photographs, restoring old photographs, analog photography, darkroom equipment and development, safety procedures, evaluating photographs, stages of production, and photography portfolio.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** A/B

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### Theater Cinema and Film Production

Theater, Cinema, and Film Production is a single-Semester course that describes the processes of theater, cinema, and film production. The course begins by introducing theater and film and their different genres and subgenres. The course also helps you understand the creative side of theater and film production, such as screenplay writing, directing set design, acting, makeup, and wardrobe styling and costume design. In this course, you will also learn about technical aspects in theater and film productions, such as lighting, sound, and camerawork. The course also covers the pre-production, production, and post-production processes involved in plays and films. Finally, you will learn about audiences for plays and films, and how they impact these productions. By the end of this course, you will: Describe the purpose, history, and language of theater and film. List and describe the different genres and subgenres of theater and film. Analyze the structure, content, and process of writing scripts for plays and films. Explain the processes of lighting and sound in theater and film. Describe camerawork in film. Describe set design, makeup, and wardrobe and costume design in theater and film. Describe the similarities and difference in acting and directing for stage and screen. Explain the pre-production, production, and post-production processes in theater and film. Describe the audience for plays and films and their impact on these productions.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** 1 Semester

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### Theater, Cinema, and Film Production 1A: Introduction

Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** A

[BACK](#)

### Theater Cinema and Film Production 1B: Lights, Camera, Action

Lights, camera, action ... take two! Whether you're a performer, critic, or fan, you'll pull back the curtain to dive deeper into the making of movies and theater performances. Explore multiple facets of the production process from both theater and film. Gain insights from industry leaders along the way and learn to think critically about different aspects to develop your unit-by-unit blog. You'll fully understand how high-quality entertainment and art are crafted for the theater and the silver screen.

**Grade Level:** 9 - 12  
**Classification:** Fine Arts  
**Semester Options:** B

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## Health

### Credit Recovery Health

Credit Recovery Health is a one-Semester course that is ideal for students who have had prior exposure to health, yet were unable to receive credit for their previous work by demonstrating mastery of the material. The course contains all the essential content with reduced coursework. Students learn to define mental, social, physical, and reproductive health as well as learning about drugs and safety.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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## Health

### Drugs and Alcohol

This one-Semester course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over the counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help. Unit 1: Drugs; Drug Use, Effects of Drugs, Over the Counter. Unit 2: Commonly Abused Drugs; Steroids, Alcohol, Tobacco, Marijuana. Unit 3: Illicit Drugs; Stimulants, Depressants & Barbiturates, Narcotics, Hallucinogens. Unit 4: Drug Interventions; Refusal Skills, Coping Skills, Stages of Change, Interventions & Therapy.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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### First Aid & Safety

In this one-Semester course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness. Unit 1: Safety & Injury Prevention; Personal Health, Personal Safety, Preparedness. Unit 2: Basic First Aid; Emergencies & Disasters, Introduction to First Aid, Rules and Procedures, Assessing the Victim. Unit 3: Muscle & Skeletal Injuries; Muscle Injuries, Skeletal Injuries. Unit 4: Soft Tissue Injuries; Cuts and Contusions, Hot and Cold Emergencies, Bites, Stings, and Allergic Reactions. Unit 5: Life Threatening Injuries, CPR, AED, and Choking, Stroke and Heart Attack, Other Emergencies.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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## Health

Everyone needs to take care of their body, but we aren't necessarily born with the knowledge of how to go about it. It's important to invest time and energy into understanding what it means to be healthy. There are many activities you can engage in which are dangerous for your long-term health, so you need to know how to identify and avoid these activities. It's also important to identify lifestyles which will lead to a longer, more enjoyable life. This one-semester course will guide you through lifestyle choices you will make which will ultimately impact your life in meaningful ways.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Health & Personal Wellness

This one-semester comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. Unit 1: Holistic Health; What is Health? Decision-Making Skills. Unit 2: Mental Health; Mental Health; Coping Skills, Stress & Time Management. Unit 3: Social Health; Healthy Relationships, Communication. Unit 4: Physical Health; Physical Wellness, Nutrition, Reproductive Health. Unit 5: Diseases & Drugs; Disease Transmission & Prevention, Drugs & Alcohol. Unit 6: Health & Safety; Consumer & Environmental Wellness, Safety & Injury Prevention. Unit 7: Health Interventions; Health Behavior Interventions.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Health 1: Life Management Skills

What does it mean to be healthy? In the simplest terms, it means taking care of our body and mind. Explore the connections between your physical, mental, and social health. Learn how to promote better health by decreasing stress and finding a fuller vision for your life through lifestyle choices, interactions with others, healthcare, and making sensible dietary choices. Build your plan to ensure your overall health, happiness, and well-being!

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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## Health

### Health Science 1 A/B

This two-Semester course is intended to help you understand the basic structure and function of the human body. Health Science 1 Semester A will cover the structure of the human body systems and their functions. It will also cover diseases and medical procedures related to each body system. This course will help you meet the following goals: Understand the basic components of medical terms. Identify various abbreviations, acronyms, and symbols used in health care. Identify the human body planes and cavities. Discuss directional terms used to describe the positions of structures and parts of the human body. Understand the structure and functions of the human body systems. Analyze diseases and disorders related to each body system. Analyze medical procedures related to each body system. Explore health science professions related to each body system. Health Science 1 Semester B; is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers. This course will cover various topics in health science, such as biomolecules, biological and chemical processes, and various diseases. This course will help you meet the following goals: Analyze the structure and functions of amino acids, proteins, simple and complex carbohydrates, lipids, biological membranes, DNA, and RNA. Discuss vitamins, coenzymes, and cofactors. Describe metabolic pathways and processes. Examine the seven biological processes of the human body. Analyze the chemical reactions that take place in the human body. Discuss the pathophysiology of disease and the immune response.

**Grade Level:** 9 - 12

**Classification:** Health

**Semester Options:** A/B

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### Health Science 2

This two-semester course is intended to help you understand the skills required to achieve success in modern-day careers related to health care.; This course will cover diverse topics such as the healthcare system, diagnostic services, stress management, health informatics, medical math, and professional conduct.; Health Science 2, semester A will help you meet the following goals: Describe the healthcare system and analyze how multidisciplinary teams collaborate to provide quality health care. Discuss the career and advancement opportunities in therapeutic, diagnostic, health informatics, and support services, and in the field of biotechnology. Identify communication skills essential for healthcare professionals, such as leadership, critical thinking, decision making, problem solving, and conflict resolution. Discuss the various stress management techniques for healthcare workers and patients. Discuss the qualities that are required for professional conduct and the ways to maintain healthy personal and professional relationships. Describe dealing with cultural diversity with sensitivity to provide quality healthcare to diverse ethnic groups. Discuss technology and appropriate procedures for gathering, filing, and reporting information in the field of healthcare. Demonstrate how precise mathematical calculations are essential in health care.; Health Science 2, Semester B will cover various topics in health science, such as infection control, medical and surgical equipment, disease prevention, and rehabilitative care.;; This course will help you meet the following goals: Discuss the scope of practice appropriate for patient care in the different healthcare pathways. Examine standards, ethics, and laws, and patients' rights regarding their health care in the United States. Analyze elements of, and guidelines for, infection control and hygiene in health care. Analyze the need for safe, sterilized medical and surgical equipment in healthcare organizations. Analyze safe waste management techniques and measures to ensure environmental safety in health care. Examine disease prevention strategies, healthy behaviors, and wellness strategies for healthcare professionals and patients. Examine the principles of body mechanics and ergonomics to avoid injury. Examine how to handle emergency situations in health care. Examine the role of rehabilitative care in health care. Examine the techniques involved in, and benefits of, movement and massage therapies. Trace the history and examine the techniques in, and benefits of, Indian and Chinese medicine. 2 Discuss the remedies rooted in different cultures and traditions

**Grade Level:** 9 - 12

**Classification:** CTE

**Semester Options:** A/B

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## Health

### Life Skills

This one-Semester course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives, including personal nutrition and fitness skills, time & stress management, communication & healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students will explore possible colleges and careers that match their needs, interests, and talents. Unit 1: Self Discovery; Discovering Self, Decision-Making Skills, Goal Setting. Unit 2: Healthy Relationships; Healthy Relationships, Communication Skills. Unit 3: Stress & Time Management; Stress Management, Time Management, School & Community. Unit 4: Nutrition & Fitness; Nutrition, Fitness Programming. Unit 5: Consumer Skills; Money Management, Wise Consumerism, Medical Management. Unit 6: College & Career Planning; College & Career Planning, Employability.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Nutrition (CL)

This one-Semester course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet-related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle. Unit 1: Nutrition Basics; Nutrition & Health, Diet & Digestion. Unit 2: Energy Nutrients; Carbohydrates, Protein, Fats. Unit 3: Non-Energy Nutrients; Water & Vitamins, Minerals & Supplements. Unit 4: Energy Balance; Weight Management, Healthy Choices, Nutrition & Fitness. Unit 5: Disorders & Diseases; Eating Disorders, Allergies, & Alcohol, Nutrition Related Diseases. Unit 6: Consumer Nutrition; Consumer Nutrition, Food Preparation. Unit 7: Nutrition for Life; Nutrition Across a Lifespan.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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### Nutrition and Wellness

This one-semester course is intended as a practical, hands-on guide. It has 17 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover basic knowledge about nutrition and wellness such as basic concepts of nutrition, the digestive and metabolic processes, nutrient requirements, dietary guidelines, importance of physical fitness, community health issues, food management, and careers in the field of nutrition and wellness.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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## Health

### Personal Fitness

What does being fit really mean? Is it just based on physical appearance or is it something deeper? In life, we strive to be healthy and make sensible choices, but it's difficult to always know exactly how this can be achieved. It's not only about losing weight or lifting a heavy barbell; being physically fit entails a wealth of knowledge about body functions, environment, safety, diet, goals, and strategies for longevity. As with any realm of study, understanding real fitness requires seeing beyond the predictable into what makes us tick as physical beings and how we can increase our strength, endurance, and flexibility. Human beings, both body and mind, are complex and highly sensitive organisms that need the right kind of attention to physically excel and feel great in the process. Being fit is about living life to the fullest and making the most of what you have – yourself! Let's explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.

**Grade Level:** 9 - 12  
**Classification:** Health  
**Semester Options:** 1 Semester

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## Health Science

### Allied Health Assistant 1A: Introduction

Are you passionate about helping people and making a difference in their lives? If you're planning on going into the health-care field, then this course is for you! Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam rooms, schedule, bill, and document all while solidifying your professional skills in communication, privacy, safety, and ethics.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Allied Health Assistant 1B: Skills and Specialties

Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Anatomy and Physiology 1A

Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Anatomy and Physiology 1B

Examine the form and function of even more body systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. And discover the importance of accurate patient documentation as well as the technology used in the industry.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Biotechnician 1A: Introduction

There are so many mysteries that need unraveling in the world today that can help us grow better crops, cure diseases, combat pollution, solve crimes, and so much more. If you love the idea of solving problems to make the world a better place, a career as a biotechnician may be for you. In this course, you'll learn the basics of lab safety, how to perform tasks crucial to experimentation, biological basics, and about the exciting careers available in the field of biotechnology. Not all heroes wear capes. Some wear lab coats. Grab yours and let's get started!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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## Health Science

### Biotechnician 1B: Advancements in Biotechnology

You've scratched the genetic surface of a biotechnician's world, but now, we're going to dive deeper into mankind's future. In this course, you'll explore essential topics that structure the reality of biotechnology such as the role genetics and epigenetics play in influencing human traits, the creation and purpose of recombinant DNA, and how the human immune response can be tweaked to fight disease. You'll also explore GMO's and biofuels and how an idea becomes reality in the biotech industry. Let's continue learning about how you can change the world in a role as a biotechnician.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Biotechnician 2A - COMING SOON!

Check back soon for more information.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Dental Assistant 1A: Introduction

Are you a compassionate person who genuinely cares about helping others be healthy? Learn how becoming a Dental Assistant can offer you a rewarding career as well as job security. Start with learning the different roles within a dentist's office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Dental Assistant 1B: Principles of Clinical Dentistry

You have scraped the surface of how rewarding assistant dentistry can be, and now it's time to drill deeper into the inner-workings of the role. In Dental Assistant 1b: Principles of Clinical Dentistry, you'll learn about the daily duties of a dental assistant including the structure of an office visit, managing patient records, and administrative aspects of the role. You'll also explore how patient health can impact oral health, how to prepare for and perform a patient visit, and how to succeed in a team environment. Let's continue polishing those skills to become a dental assistant today!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Dental Assistant 2A: Infection Prevention and Pharmacology

Your passion for dentistry has strong roots, and now it's time to drill even deeper into the pulp of the science. In this course, you will continue to explore the field of dentistry through a work-based learning experience while studying how to maintain a safe environment for patients. You'll cover prevention, recognition, and management of common dental office emergencies and how to manage patient pain and medications. You'll learn about microbiology and the modes of disease related to oral care as well as explore specialties in the dental field important responsibilities and guidelines for providers. Let's continue sharpening your cusp of knowledge as a dental assistant!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Dental Assistant 2B - COMING SOON!

Check back soon for more information.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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## Health Science

### EKG Technician 1A: Introduction

Our hearts are essential to our survival. And EKG technicians play an important role in administering tests and evaluating data given by the electrocardiogram (EKG) to treat patients effectively. Explore the cardiovascular system and its anatomy, and its role in our body, health, and lives. If you're a people person and want to work in healthcare, build the knowledge and skill base to prepare you for a cardiovascular career.

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** A

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### EKG Technician 1B: Analysis and Response

Does the thought of becoming an EKG Technician still make your heart skip a beat? Continue your journey through the peaks and valleys of EKG waves and really dig into the details of the cardiac code to fulfill your ultimate goal: saving lives! This course will prepare you to interpret different EKG waves, how to spot wave abnormalities, how to differentiate between different disorders, and how to treat those disorders. Let's get ready to continue your adventure into the world of cardiology and a possible career as a EKG Technician!

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** B

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### Emergency Medical Responder 1A: Introduction

Have you ever wondered what happens after making a 911 call? Get a realistic look into the day-to-day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies. If you've ever dreamt of being on the front lines, providing quality care to save someone's life, then explore the exciting career as an Emergency Medical Responder.

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** A

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### Emergency Medical Responder 1B: Prepared for Action

Being an emergency medical responder is dynamic and challenging. EMRs are first responders who are prepared for action! Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team.

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** B

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### Health & Physical Education 1A: Introduction

Health and fitness are more than skin deep- or should we say muscle deep? There are many factors that influence your fitness from biological predispositions to the foods you eat, the sleep you get, your psychology, and more! This course will go beyond the superficial of fitness and dig into the science behind it. You will explore the basics of how to assess your baseline fitness, design and implement a fitness plan, fuel your body to achieve your fitness goals, and stay safe while improving your health. Physical fitness is a journey, not a destination: start your expedition now!

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** A

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### Health & Physical Education 1B: Invest in Your Health

You've already HIIT the mat and warmed up your understanding of health and fitness, but now we're going to stretch your understanding and feed your healthy habits. In this course, you will learn about the four domains of health- physical, mental, emotional, social- and their interconnection, how to set goals for healthy living, and how relationships and choices can impact your health. You'll also explore different entities and influences and their role in your daily health as well as how to build healthy communities to help you thrive. Let's continue building the foundation for well-rounded, healthy living so you can flourish: mind, body, and spirit!

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** B

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## Health Science

### Health Science Foundations 1A: Introduction

Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** 1 Semester

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### Health Science Foundations 1B: Professional Responsibilities

Making sure that you, your patients, and your colleagues stay safe, you'll begin analyzing your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Examine infection control, first-aid, CPR, and measuring a patient's vitals. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. And examine effective teamwork and leadership characteristics while building your employment skills.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** 1 Semester

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### Health Science Theory 1A: Introduction

From doctors and nurses to x-ray technicians and medical aides, the field of healthcare offers numerous roles that will allow you to make a difference in the lives of patients. In this course, you'll learn all about the foundations of healthcare from how the industry works around the world, to the different professions that fall within the field. You'll also learn medical terminology and calculations, the difference between diagnostic and therapeutic careers, and the legal and ethical considerations. Let's start building the foundation of a career in healthcare today!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** 1 Semester

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### Medical Assistant 1A: Introduction

It takes a strong team to offer top-notch patient care, and each team member plays in integral role. Are you a team player interested in coordinating patient care? Then a career as a medical assistant may be right for you! In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio. Let's learn what it takes to fill the important shoes of a medical assistant today!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Medical Assistant 1B: Medical Assisting in Action

It's time to grab your latex gloves and snap them back into place so you can get a deeper look into the world of medical assisting! In this course, you'll explore patient care and procedures, testing and care coordination, pharmacology and safety, and reimbursement and the law. You'll also narrow your areas of interest so you can better determine what type of medical assisting may be best for you. Are you ready to continue on the road to medical assisting? Grab your lab coat and let's get going!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Medical Diagnostic Technology 1A: Introduction

Have you ever wondered how a health professional knows how to diagnose an illness? Or what medications to prescribe to a patient depending on the person's body and their signs and symptoms? Learn about different diagnostic technology used and essential body systems and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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## Health Science

### Medical Diagnostic Technology 1B: Exploring Systems & Procedures

Our bodies are complex, and when we start feeling ill, a doctor or specialist must analyze and diagnose what could be wrong. Learn about different diagnostic technology, procedures, essential body systems, and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Medical Lab Assisting 1A: Introduction

Getting to the root of medical issues and uncovering ailments is the core of the medical field. Are you drawn to the idea of being part of a team who helps identify diseases and health-related issues? Then the role of a medical lab assistant may be for you! In this course, you will learn what it takes to become a skilled medical lab assistant including understanding medical ethics, communicating with patients, performing blood draws and managing specimens, lab safety, and potential career paths! Grab your lab coat and latex gloves, and let's draw some new knowledge to help others!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Medical Lab Assisting 1B: Clinical Lab Safety & Procedures

You've pulled back the patient curtain and have learned the basics of the world of a medical assistant. Now, it's time to dig deeper and peer into the anatomy of the role so you can determine which type of medical assistant best suits you. In this course, you will learn more about patient care and procedures, testing and care coordination, pharmacology and safety, reimbursement, and the law. You will also narrow your own areas of interest, research organizations to shadow, and ultimately prepare for certification. Throw that curtain wide open, and let's continue the pursuit of a medical assistant!

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Medical Terminology 1A: Introduction

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Medical Terminology 1B: Discovering Word Foundations

Discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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### Nursing Assistant 1A: Introduction

If you ever wanted a career that is centered around the care of others and that directly impacts the most vulnerable populations, then it's time to explore what it means to be a Nursing Assistant. This role can be the first step on your nursing career ladder or into other healthcare positions. Learn career options, ethical and legal responsibilities, anatomy and physiology, patient care, and safety. Discover what it takes to start your journey into this highly needed field.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** A

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### Nursing Assistant 1B: Patient Care

As a Nursing Assistant, you are heavily involved in the care of your patients. But what does a typical day look like? How do you care for your patients during your shift? From hospital settings to home health care, from pre- and postoperative to rehabilitation. Discover how best to communicate and work with your team to ensure a safe environment, prevent and control infectious diseases, advocate for your patient's rights, and provide appropriate care – even for the most complex patient needs.

**Grade Level:** 9 - 12  
**Classification:** Health Science  
**Semester Options:** B

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## Health Science

### Pharmacology 1A: Introduction

If you ever thought about pursuing a gratifying career in biomedical sciences, pharmacology is a must. Pharmacology is the fascinating study of the chemistry, origins, and types of medications. Whether you plan on going into medicine, nursing, dentistry, veterinary medicine, or pharmacy, you'll need to learn the effects of medicines on different biological systems, appropriate dosages, and how the body responds to different medications.

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** A

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### Pharmacology 1B: Analysis and Effects

When implemented with care, medicine can cure illnesses and even save lives, but when distributed incorrectly, therapeutics can cause great harm. In this course, you will delve deeper into the study of medicine and treatments available to patients. You will learn about available medications for specific diseases, the way therapeutics work in the body, different drug classifications, the law behind administering drugs, and what a Pharmacy career can look like. Are you ready to continue injecting your brain with essential knowledge for a career in the medical field? Let's continue your journey of care.

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** B

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### Sports Medicine 1A: Introduction

What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the term encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field.

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** A

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### Sports Medicine 1B: Injury Prevention

You've warmed up those muscles and stretched your understanding of basic human biomechanics, but now it's time to power forward your learning even further! In Sports Medicine 1b: Injury Prevention, you'll expand your understanding of the human body to provide a greater context for injury in a variety of scenarios. You'll learn how to evaluate an injury, onsite tests to perform, and when to refer a patient to a medical professional. You'll also explore the anatomy of specific body areas to better understand injuries that may occur as well as ways to prevent injury. Are you ready to keep athletes functioning at peak levels? Grab your sports tape and let's hit the field of sports medicine!

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** B

[BACK](#)

### Sports Medicine 2A: Working With Clients

You've learned the basics about how the body works and how to attend to athletes' injuries, but now, it's time to get personal! Time to personalize and plan for clients, that is! In this course, you will learn to develop dietary and exercise regimes for clients based on their needs and goals. You'll even have an opportunity to turn plans into action by designing workouts for your own example gym. Let's hit the ground running and continue building towards a career as a trainer!

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** A

[BACK](#)

### Sports Medicine 2B: Personalizing Your Practice

"Five, four, three, two, one—rest." You've learned what it looks like to work one-on-one with clients as a sports medicine professional, and now it's time to focus on the group. In this course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility. It looks like it's time for the next set! Let's get started!

**Grade Level:** 9 - 12

**Classification:** Health Science

**Semester Options:** B

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## Information Technology

### Access: Office Fundamentals Series

Learn to create, manage, and link databases for essential business operations. Develop your database, design, and planning skills and learn to implement security features to protect and back-up your important data. Put your new skills into practice with a capstone project. The content of this course will be applicable to the Microsoft Office Suite certification exam.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** 1 Semester

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### Advanced Networking 1A - COMING SOON!

Check back soon for more information.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** 1 Semester

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### Applied Engineering 1A: Introduction

Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

### Applied Engineering 1B: Solving Problems Together

Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

[BACK](#)

### Computer Maintenance 1A: Introduction

Computers are soldered into all aspects of our daily life, and when they stop working, it can seem like our network has collapsed. If you are fascinated by the inner workings of computers and how to keep them running, then a career in computer maintenance may be for you! In this course, you'll learn how computers are set up starting with the software and operating systems and what to do when hardware and software issues are encountered. You'll learn different types of data communication, various power supply units, essential components like motherboards and memory and much more! Grab your personal expansion card, and let's hardwire some new knowledge about computer maintenance.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

### Computer Maintenance 1B: Network Needs

Almost anywhere we go today, from malls to coffee shops, and even our homes is an intertwined web of wired, wireless, and cloud-based networks that access our personal data. In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems. Let's continue navigating the complex world of computer maintenance.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Digital Media Fundamentals 1A: Introduction

Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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## Information Technology

### Digital Media Fundamentals 1B: Producing for the Web

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Digital Media Web Design 2A: Build A Portfolio Website

Did you know that you are consuming digital media every time you open an app or use your computer or tablet? Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. It's your turn to start designing websites and experiences for digital media consumers.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Digital Media Web Design 2B: Build an eCommerce Website

Think of the best online stores you've visited. What do you think makes them unique? How do they keep buyers engaged and purchasing? Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Excel: Office Fundamentals Series

Discover the real-world uses of Microsoft Excel and its impact on business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** 1 Semester

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### Foundations of Game Design 1a: Introduction

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Foundations of Game Design 1b: Storytelling, Mechanics, and Production

Now that you have the basics of game design down, let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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## Information Technology

### Game Design 2a: Build a World

Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world players can get immersed in.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Game Design 2b: Launch a Game

You've already done the groundwork, and now it's time to level up and launch! In Game Design 2b, you'll take your runner game to new heights and enter the land of fire and ice using the cool tools that Unity has to offer! Get ready to build atmospheric landscapes, mountain runs, stair builds, and implement obstacles to keep your relic safe! Then, your real-world game begins: test and evaluate your game and prepare for a market launch! All of the moving parts of the game development process come together in this course, so you can unleash your game into the world!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Introduction to Networking 1a: Introduction

What would happen if we didn't have the internet? The internet is one example of a network, so you can only imagine why networking careers are essential. Start exploring the fundamentals of networking, learning about the different parts of a computer and hardware, network operating systems, and understanding how common network devices can be connected. You'll get hands-on to explore different types of cables used to create networks – and even make cables in Wired Networking activities. Get started with your introduction to networking!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Introduction to Networking 1b: Network Oversight

Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Introduction to Programming 1a: Introduction

Have you ever wondered how your favorite software is created? Explore the software development life cycle from start to finish while developing your own programming skills with Python. Explore the power of data and algorithms along with their influence on the world. Launch yourself into the endless possibilities a career as a programmer can bring you!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Introduction to Programming 1b: Problem Solving Through Programming

Dig deeper and expand your knowledge as you discover how programming can solve a vast array of problems. Plan and develop a problem-solving program while performing testing, debugging, and quality assurance procedures. Design and plan your own app as part of your capstone project to give you a thorough introduction to the world of programming.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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## Information Technology

### Network Security Fundamentals 1a: Introduction

Have you seen news headlines about cyber data breaches or hacks? With so many businesses working hard to ensure that their data and their customers' information stay safe and secure, it's no wonder that careers in cybersecurity are in high demand. Learn what information security is, hackers, viruses, spyware, network systems, identifying potential vulnerabilities, protecting against attacks, and creating a disaster and response plan if breaches do occur. Could you be the security specialist that stops the next cyberattack?

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Network Security Fundamentals 1b: Forensics and Permissions

As the world becomes increasingly more interconnected by technology, computer and mobile-based crimes are becoming more prevalent. Explore cyber forensics, encryption, cryptography and cryptology, user and password management to mitigate large data breaches, and other threats, vulnerabilities, and security issues. Discover what it takes to enter this high-demand career field. As a cybersecurity specialist, you'll never get bored with trying to keep individuals and organizations safe!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Operational Cybersecurity 1a: Introduction

Even when we use the strongest bricks, Firewalls can be breached and other security measures can be exploited by malicious cyberattackers. In this course, you will assume your role as Chief Information Security Officer (CISO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure through the use of cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response. Are you ready to help businesses protect personal information and outsmart cyber attackers? Grab your white hat, BYOD, and let's get started!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

### Operational Cybersecurity 1b: Security and Planning in the Workplace

More and more, companies are under attack by malicious cyber attackers compromising the security of sensitive employee, customer, and societal data. In this course, you will dive into data security in the workplace and will learn ways to mitigate cyber threats that lurk in dark corners. You will step into the familiar shoes of CISO, this time at a startup company, making decisions about access and authentication protocols, security planning, and expanding the business in a safe way. Lastly, you will explore real-world security breaches, how they were solved, and step-by-step instructions to setup robust security policies. Let's continue forging your cybersecurity stronghold against cyber attackers and keep sensitive data secure.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

[BACK](#)

### Outlook: Office Fundamentals Series

Master your email and learn about Outlook's functions to produce professional communications, helping you to succeed in business and in life. Understand effective communication techniques, working with attachments, formatting, replying, and organizing. Be prepared for your day with other features such as calendars, contacts, and tasks. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** 1 Semester

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## Information Technology

### PowerPoint: Office Fundamentals Series

Learn to create clean and professional presentations while also building your skills as a speaker, leader, and marketer! Create and format presentations while inserting multimedia, images, transitions, and animations to make a dynamic final product! Content of this course will also be applicable to the Microsoft Office Suite certification exam.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** 1 Semester

[BACK](#)

### Programming 2a: Procedural Programming

Congratulations; you're speaking a different language! A programming language that is. But do you want to learn more? Discover the most popular programming languages and what they have to offer the software world. Explore data, algorithms, and objectives and how they are essential to language 'speak'. Learn the software development life cycle and how it can be implemented so you can create projects, such as a prototype for an app you'll code and a working to-do list website.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Principles of Information Technology 1a: Introduction

Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

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### Programming 2b: Creative Programming

Get ready to take your programming abilities to the next level in Programming 2b! You'll start by developing a simple web page using HTML, CSS, and JavaScript and then you'll practice your Python skills, making your own photo editor and sound player! Using API, you'll practice adding a weather widget to a website and you'll ensure page safety using encryption techniques through Python. You'll test, you'll inspect, you'll collaborate, and for your finale, you'll craft a graphical user interface for an app using Python's Tkinter! Let's get ready to program!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Principles of Information Technology 1b: Working with Computers

Take the IT knowledge you have to a more advanced level. Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. Explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Robotics 1a: Introduction

Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high-demand field.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

## Information Technology

### Robotics 1b: Intelligent Robots

The robots have invaded... and they're here to make our lives easier. You've learned about the basics of robotics and STEM careers, but now we're going to learn about manipulating the physical world to create desired effects. In this course, you'll learn to manipulate electrical signals to create logic and memory, how to quantify the physical world through variables, and how to have an impact through tools. You'll discover how to choose the best tools and materials, how to create AI, and how to take an idea from initial planning to a completed project. Let's continue the pursuit of a career in robotics so the friendly invasion can thrive!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Robotics 2a: Design a Robot

From outer space to the oceans and everywhere in between, robots are doing everything from solving complex problems to simply making daily life easier. But, there has to be a beautiful mind behind the machine, and this is where you come in! In this course, you will identify a problem and using the skills you've learned, you will apply the principles of engineering and robotics to design an innovative robot to solve the problem. Robotics engineers are problem solvers - are you ready to step up?

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

### Robotics 2b: Build Your Robot

You have learned how to think like a robotics engineer, and now, it's time to design and build like one to breathe life into your machine. In this course, you'll explore how to add more complexity to your creations to make them more efficient, capable, and better able to handle advanced tasks. You will also learn how models and simulations can enhance robotic development and construction. After a real-world safety review, a deeper dive into advanced applications and systems, and improving your prototype, you'll finalize and launch your robot. Are you ready to continue improving the world with your machine? Let's automate!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

[BACK](#)

### Web Development 1a: Introduction

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest career fields. Start to explore professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, Javascript, and the development stack that will let you build any website you can dream up.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

### Web Development 1b: Planning and Designing

Websites need to be functional, but they need to look great while doing the job! Now that you've learned how to create web content, you'll learn how to apply design principles, like color combinations and font choices, to achieve the greatest impact. You'll also learn the behind-the-scenes tasks of organizing your files, ensuring website accessibility, following intellectual property regulations, and performing site backup and maintenance. Let's unravel the web development process!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

[BACK](#)

### Web Development 2a: Sketching and Scripting

You've already experienced web development on a smaller scale, but now, it's time to kick it up a notch! You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. You'll also approach web development from a different perspective- your users!- and you'll learn to speak the language of JavaScript to enhance your web development efforts. Your efforts will commence in a professional portfolio that will allow you to experience GitHub to display your work. Let's get that framework going!

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** A

[BACK](#)

## Information Technology

### Web Development 2b: Website Goes Live

You've done a ton of work on your website already, and now, it's time to put the finishing touches on it and make it work for you! In this course, you'll explore topics and hone skills to help you perfect your portfolio so it's ready to share with future employers. You'll discover common coding errors and security threats, website accessibility and reliability, and become more fluent and efficient in JavaScript. You'll also learn how to make on-the-job choices and adjustments and refine communication with your clients. In the end, you'll turn your website into a presentation to share with friends and family so you can showcase your achievements.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** B

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### Word: Office Fundamentals Series

Learn to effectively and efficiently use one of the most common tools of business, school, and personal correspondence! Discover how to format and style documents using fonts, colors and editing tools, create tables, use bullets and numbering, and insert images. Skills you learn in this course can be applied immediately and prepares you to take the MOS Word certification exam, and content is applicable to the Microsoft Office Suite certification exam.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Semester Options:** 1 Semester

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## Legal

### Careers in Criminal Justice 1A: Introduction

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

**Grade Level:** 9 - 12

**Classification:** Legal

**Semester Options:** A

[BACK](#)

**“Our son was not thriving academically in the Public School system, so we researched alternative school options for him. As luck would have it, we found Greenways Academy and it couldn't be a better fit!”**

**— June N, Mother**



## Legal

### Criminology: Inside the Criminal Mind

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

**Grade Level:** 9 - 12  
**Classification:** Legal  
**Semester Options:** 1 semester

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### Introduction to Criminology

This one-semester course is intended as a guide to the field and theories of criminology. It's structured into lessons and Course Activities as follows: The first lesson discusses criminology as a field of study. The next two lessons discuss theories, which suggest that people engage in crime to satisfy self-interests and individual traits influence criminal behavior. The next lesson discusses the theory that motivated offenders are most likely to commit crimes when they are influenced by routine activities of potential victims.; The next three lessons describe theories that suggest that people engage in crimes when social institutions fail to have a positive influence on them, they are labeled as criminals, and they associate with peers with criminal backgrounds. The next lesson familiarizes you with the theory that people engage in or refrain from criminal activities based on how they respond to certain events (turning points) in their lives. The next three lessons describe theories that influence of political and social powers, inability to achieve societal goals, and breakdown of social order contribute to criminal behavior.; The next two lessons discuss theories that crimes and criminal behavior can be reduced by advocating peace and justice, reducing physical opportunities, and increasing the risks of being caught. The last lesson familiarizes you with the theory that focuses on preventing the escalation of serious crimes in a community.

**Grade Level:** 9 - 12  
**Classification:** Legal  
**Semester Options:** 1 Semester

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### Law and Order: Introduction to Legal Studies

Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

**Grade Level:** 9 - 12  
**Classification:** Legal  
**Semester Options:** 1 Semester

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### Principles of Government and Public Administration A/B

This two-Semester course is designed to enable all students at the high school level to learn the basics of government and public administration. Students explore career opportunities in the field of government and public administration. They also learn about the career-related skills, such as job acquisition skills, reading and writing, and mathematics they need to possess as professionals in this field. They learn about the safe and healthy working conditions necessary in the field of government and public administration. This course covers topics such as: the influence of geography and technology, and networking and communication as they relate to government and public administration. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in government and public administration industry.

**Grade Level:** 9 - 12  
**Classification:** Legal  
**Semester Options:** A/B

[BACK](#)

## Legal

### Principles of Law, Public Safety, Corrections and Security

This is a two-Semester course. The first-Semester is intended as a practical, hands-on guide to help you understand the functioning of law enforcement agencies, courts, the correctional system, and security and emergency agencies. The first Semester covers the history and development of criminal law in the United States, court procedures, the role of law enforcement agencies and private security in public safety, and the role of fire fighters and emergency responders. It also covers the ethical and legal responsibilities and working conditions in law enforcement and security. The second-Semester is intended as a practical, hands-on guide to help you understand the personal, professional, and technological skills required by professionals working in the field of law, public safety, corrections, and security. The second Semester also covers communication skills, math skills, and work ethics. It also covers job acquisition skills, career advancement skills, and other important professional skills and qualities required at the workplace.

**Grade Level:** 9 - 12

**Classification:** Legal

**Semester Options:** A/B

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### Principles of Public Service - To Serve & Protect

Are you familiar with the term "public service"? When we think about public service, our thoughts often turn to professionals such as police officers, EMTs, and firefighters. While these are well-known public servants, many others work to keep our communities safe, healthy, and productive. In this course, you'll learn about many different areas of public service including education, civil engineering, and social services. You'll also look at the requirements for public service in general as well as the specific skills needed to be successful in each area of public service. Who knows? You may even discover the career you were meant to pursue!

**Grade Level:** 9 - 12

**Classification:** Legal

**Semester Options:** 2 Semesters

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## Math

### Algebra I A/B

Algebra 1, Semester A, is a single-Semester course designed to cultivate and periodically assess your subject-matter knowledge while strengthening your mathematical skills. This course includes lessons that focus on the relationships of linear and nonlinear equations. You'll learn to create, graph, and solve linear and exponential equations and inequalities. You'll also use function notation to describe relationships between quantities and interpret function notation accurately to solve problems. Toward the end of this course, you'll study transformations of linear and exponential functions. Algebra 1, Semester B, is a single-Semester course designed to cultivate and periodically assess your subject-matter knowledge while strengthening your mathematical skills. This course includes lessons that focus on the relationship of linear, exponential, and quadratic functions. You will create, graph, and solve quadratic equations and inequalities in one or two variables. You will also add, subtract, and multiply linear and quadratic polynomials. At the end of this course, you'll interpret, analyze, and build functions.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** A/B

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### Algebra II A/B

Algebra 2, Semester A, is a single-Semester course designed to cultivate and periodically assess your subject-matter knowledge while strengthening your mathematical skills. This course includes lessons that focus on the interpretation of polynomial and rational expressions. You'll learn to create, graph, and solve equations and inequalities. You'll also identify the key features of different types of functions and analyze them with tables, graphs, and equations. Algebra 2, Semester B, is a single-Semester course designed to cultivate and periodically assess your subject-matter knowledge while strengthening your mathematical skills. This course includes lessons that focus on function transformations on the coordinate plane, the inverse of functions, and the properties of functions. You'll learn to create and graph trigonometric functions and identify their key features. Toward the end of this course, you will build your understanding of the key concepts of probability and statistics.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** A/B

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## Math

**Consumer Mathematics**

In this one-Semester course, you will learn practical applications of math. You will learn how to plan a budget, manage bank accounts, and figure the cost of a good or service. You will also learn about taxes, payroll deductions, and how to invest and borrow money. This course will help you make informed decisions about buying or renting a home or car and teach you how to protect your purchases and investments with insurance. Finally, you will study economics, or the science of the creation, distribution, and consumption of goods and services. You'll see how economics affects you as an individual and how it affects the country as a whole.

**Grade Level:** 9 - 12**Classification:** Math**Semester Options:** 1 Semester[BACK](#)**Financial Mathematics A/B**

Financial Algebra is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.

**Grade Level:** 9 - 12**Classification:** Math**Semester Options:** A/B[BACK](#)**Geometry A/B**

In Geometry A, you will explore rigid and non-rigid transformations of figures in the coordinate plane and use them to establish congruence and similarity of triangles and other shapes. You will also prove theorems about lines, angles, triangles, and parallelograms, and build geometric constructions using both basic tools and modern technology. In conclusion, you will apply your knowledge of triangles as you investigate the mathematics of trigonometry. In Geometry B, you will review the volume formulas for some common solid figures as you extend your knowledge of two-dimensional shapes to three-dimensional shapes. You will also transition from primarily Euclidean geometry to analytical geometry—a segment of geometry focused

**Geometry A/B (Cont.)**

on numerical measurements and coordinate algebra. You will use analytical geometry and observations to investigate the properties of circles and constructions related to circles. Geometry B closes with a study of independent and conditional probability and how you can use probability models to represent situations arising in everyday life.

**Grade Level:** 9 - 12**Classification:** Math**Semester Options:** A/B[BACK](#)**Integrated Mathematics I A/B**

Integrated Math 1 is a two-Semester comprehensive collection of mathematical concepts designed to give you a deeper understanding of the world around you. It includes ideas from algebra, geometry, probability and statistics, and trigonometry, and teaches them as interrelated disciplines. It's likely that you've been studying some form of integrated math since elementary school. In Integrated Math 1A, you will begin with algebra. You will build on your understanding of single-variable and two-variable expressions, equations, and inequalities. You will also learn how to write equations and inequalities to represent and solve word problems. In Integrated Math 1B, you will explore the connections between algebra and geometry. You will learn about functions and use them to solve real-world math problems. You will study data collection methods and use different types of data plots to represent and analyze statistical data. You will learn geometric theorems and rules and write proofs to support them. You will also explore congruency and similarity of triangles.

**Grade Level:** 9 - 12**Classification:** Math**Semester Options:** A/B[BACK](#)**Integrated Mathematics II A/B**

Integrated Math 2 is a two-Semester, comprehensive collection of mathematical concepts designed to give you a deeper understanding of the world around you. It includes ideas from algebra, geometry, probability and statistics, and trigonometry, and teaches these subjects as interrelated disciplines. It's likely that you've been studying some form of integrated math since elementary school. In Integrated Math 2A, you will begin with polynomial expressions, including rational expressions. You will learn about quadratic equations and inequalities and solve them to find answers to real-world math problems. Finally, you will use this knowledge to examine polynomial functions. In Integrated Math 2B, you will study the connections between algebra and geometry. You will learn about functions and use them to solve real-world math problems. You will study data collection methods, and you will use different types of data plots to

## Math

### Integrated Mathematics II A/B (Cont.)

Integrated Math 2 is a two-Semester, comprehensive collection of mathematical concepts designed to give you a deeper understanding of the world around you. It includes ideas from algebra, geometry, probability and statistics, and trigonometry, and teaches these subjects as interrelated disciplines. It's likely that you've been studying some form of integrated math since elementary school. In Integrated Math 2A, you will begin with polynomial expressions, including rational expressions. You will learn about quadratic equations and inequalities and solve them to find answers to real-world math problems. Finally, you will use this knowledge to examine polynomial functions. In Integrated Math 2B, you will study the connections between algebra and geometry. You will learn about functions and use them to solve real-world math problems. You will study data collection methods, and you will use different types of data plots to represent and analyze statistical data. You will learn about geometric theorems and rules and write proofs to support them. You will also explore congruency and similarity of triangles.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** A/B

[BACK](#)

### Integrated Mathematics III A/B

In Integrated Math 3A, you will understand and work with polynomial expressions, including rational expressions. You will also examine the relationship between equations and functions and analyze trigonometric functions in detail. In Integrated Math 3B, you will study and apply the laws of sine and cosine functions. You will also investigate the cross sections and density of three-dimensional geometric figures. You will use equations, inequalities, and functions to solve real-world math problems. You will also look at function graphs and explore transformation of functions. You will analyze statistical data and data collection methods and use probability to make decisions.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** A/B

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### Personal & Family Finance

How do our personal financial habits affect our financial future? How can we make smart decisions with our money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** 2 Semesters

[BACK](#)

### Personal Finance

This one-Semester course is intended to help you familiarize yourself with the basic and essential concepts of personal finance. This course covers the fundamentals of personal finance, role of consumers in the economic system of the United States, financial planning in personal life, ways to manage finances, and different investment strategies. It also covers various career options available in the field of personal finance. This course will help you meet the following goals: Identify the role of the consumer in the economic system of the United States; Describe types and services of financial institutions and their role in personal financial planning; Describe various career options in personal finance; Identify the basics of personal financial planning; and Manage personal and family incomes and expenses.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** 1 Semester

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## Math

### Precalculus A/B

Studying higher algebra and trigonometry leads to a better understanding of calculus. This is a two-Semester class. In Precalculus A, you will explore and build your knowledge of inverse, trigonometric, and logarithmic functions; trigonometric identities; complex numbers; and vectors. You will also apply this knowledge to real-world situations. Precalculus encompasses the rudiments of calculus, analytical geometry, and trigonometry. In Precalculus B, you will explore and build your knowledge of conic sections, matrices, sequences, induction, and probability and apply this knowledge to real-world situations. You will also study basic concepts of calculus, such as the limits of a function and area under the curve.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** A/B

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### Probability & Statistics

Two Semesters of Algebra 1 is a prerequisite for Probability and Statistics. Before beginning this course, you should be able to do the following: Represent linear relationships graphically and with equations. Graph functions using basic calculator skills. Understand that the probability of a chance event is a number between 0 and 1. In this one-Semester course, you will represent and interpret data using dot plots, histograms, box plots, two-way frequency tables, and scatter plots. You will study normal distributions and distinguish between correlation and causation. You will also determine the conditional probability of two events or whether the events are independent. Using counting techniques and the rules of probability, you will calculate probabilities and use the results to make educated and fair decisions. You will evaluate several data collection techniques and statistical models, including simulations. The course closes with information on how you can use probability models to represent situations arising in everyday life that involve both payoff and risk.

**Grade Level:** 9 - 12

**Classification:** Math

**Semester Options:** 1 Semester

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## Medical

### Applied Medical Terminology A

Applied Medical Terminology A is intended to help you familiarize yourself with the medical terminology related to the human body systems. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover the structure of the human body systems and their functions. It will also include medical terminology related to diseases, disorders, medical procedures, and treatment for each body system. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit, respectively; and an end-of-Semester test. All of these tests are a combination of simple multiple-choice questions and technology enhanced (TE) questions.

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** A

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### Applied Medical Terminology B

Applied Medical Terminology B is intended to help you understand the skills required to achieve success in healthcare careers. This course has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics like communication and professional skills, professional conduct and safety practices required in healthcare field. You will also learn how to sensitively interact with culturally diverse people. You also understand how to use technology and math skill in healthcare industry. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit, respectively; and an end-of-Semester test. All of these tests are a combination of simple multiple-choice questions and technology enhanced (TE) questions.

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** B

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## Medical

### Certified Nurse Aide

The Certified Nurse Aide Semester A course is a single-semester course designed to introduce you to the topics that you must learn to take the competency evaluation to become a certified nurse aide. The course will provide you with the knowledge and skills you need to perform your duties as a nurse aide. The course consists of four units. The first unit will explain how to communicate, work in a team, and be culturally competent when working as a nurse aide. The second unit will introduce you to medical terminology, abbreviations, acronyms, symbols, and body structure and directional terminology, which will help you communicate accurately when performing your duties as a nurse aide. The third and fourth units will help you recall the different human body systems. These units will also describe disorders and diseases related to the body systems and their treatments. The Certified Nurse Aide Semester B course is a one-semester course designed to introduce you to the topics and the skills that you must learn to take the competency evaluation to become a certified nurse aide. The course will provide you with the knowledge and skills that you need to perform your duties as a nurse. The course consists of four units. In the first unit, you will learn basic nursing skills and how to best care for clients. The second unit will introduce you to different types of clients and how to provide quality care to them depending on their varying needs. The lessons in the third unit cover topics related to infection control, waste management, and cost containment. Finally, the fourth unit will introduce laws and ethics related to nurse aides and their duties.

**Grade Level:** 9 - 12  
**Classification:** Medical  
**Semester Options:** A/B

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### Health Careers I

In Health Careers I, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

**Grade Level:** 9 - 12  
**Classification:** Medical  
**Semester Options:** 1 Semester

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### Health Science 1: The Whole Individual

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and the measles identified and diagnosed? Health sciences provide the answers to questions such as these. In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

**Grade Level:** 9 - 12  
**Classification:** Medical  
**Semester Options:** 2 Semesters

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### Health Science 2: Patient Care & Medical Services

Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You'll explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staffs. Finally, you'll learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens.

**Grade Level:** 9 - 12  
**Classification:** Medical  
**Semester Options:** 2 Semesters

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### Health Science: Nursing

Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science II Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

**Grade Level:** 9 - 12  
**Classification:** Medical  
**Semester Options:** 2 Semesters

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## Medical

### Health Science: Public Health

What is public health? Who is in control of our health systems and who decides which diseases get funding and which do not? What are the human and environmental reasons for health inequality? Health Science: Public Health answers all of these questions and more. You will study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities, and fascinating real-life situations.

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** 2 Semesters

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### Introduction to Nursing I

This two Semester course introduces students to the field of nursing. In the first Semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In Semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** A/B

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### Introduction to Nursing II

This two Semester course introduces students to the field of nursing. In the first Semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In Semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

### Introduction to Nursing II continued

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** A/B

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### Intro to Veterinary Science

This one-Semester course is intended to familiarize students with the knowledge and skills required for a career in the veterinary industry. In the Introduction to Veterinary Science course, students explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. They will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, students will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** 1 Semester

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### Medical Terminology

In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** 1 Semester

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### Veterinary Science: The Care of Animals

Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you!

**Grade Level:** 9 - 12

**Classification:** Medical

**Semester Options:** 1 Semester

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## PE

### Adaptive Physical Education

This one-Semester course is designed specifically for students with physical limitations. The content is similar to Fitness Fundamentals 1, but additional modification resources are provided to allow for customized exercise requirements based on a student's situation. In addition, students learn the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students research the benefits of physical activity, as well as the techniques, components, principles, and guidelines of exercise to keep them safe and healthy.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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### Advanced Physical Education I/II

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly, while participating in physical activities and applying principles they've learned. Basic anatomy, biomechanics, physiology, and sports nutrition are all integral parts of this course. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility. Semester 1: Unit 1: Exercise Science; Fitness Assessment & Goals, Exercise Programming; Unit 2: Basics of Physical Fitness; Safety, Components of Physical Fitness. Unit 3: Body Systems; Terminology, Respiratory System, Skeletal System. Unit 4: Cardiovascular System; Cardiovascular System, The Heart. Unit 5: Muscular System; Muscular System, Muscle Physiology. Unit 6: Nutrition; Digestive System, Energy Nutrients, Energy Systems. Unit 7: Post Assessment. Semester 2: Unit 1: Physical Fitness; Fitness Assessment & Goals, Physical Activity, Muscular Fitness. Unit 2: Biomechanics & Safety; Biomechanics, Exercise Safety, Injury Treatment. Unit 3: Nutrition; Weight Management, Sport Nutrition. Unit 4: Exercise Programming Considerations; Exercise Programming Considerations, Special Populations, Gender Considerations. Unit 5: Exercise Psychology; Stages of Change, Health Interventions, Motivation. Unit 6: Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** A/B

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### Comprehensive Physical Education

In this one-Semester course students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts, as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga. Throughout this course students will also participate in a weekly fitness program involving elements of cardio, strength, and flexibility training. Unit 1: Getting Started; Fitness Assessment & Analysis, Starting an Exercise Program, Safety & Technique. Unit 2: Health-Related Fitness; Cardiovascular Fitness, Nutrition, Muscular Fitness & Flexibility. Unit 3: Skill-Related Fitness; Principles of Movement, Game Play. Unit 4: Team Sports; Soccer, Baseball/ Softball, Volleyball. Unit 5: Dual & Individual Sports; Tennis, Walking, Hiking, & Running, Dance, Yoga, & Pilates. Unit 6: Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** A

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### Exercise Science

This one-Semester course takes an in-depth examination of the effects of exercise on the body. Through this course, students will learn basic anatomy, biomechanics, and physiology, as well as proper principles and techniques to designing an effective exercise program. The study of nutrition and human behavior will also be integrated into the course to enhance the students' comprehension of this multifaceted subject. Unit 1: Intro to Exercise Science; Intro to Exercise Science. Unit 2: Body Systems; Terminology, Skeletal & Muscular Systems, Respiratory & Cardiovascular Systems. Unit 3: Exercise Physiology; Energy Systems, Muscle Physiology, Gender Differences. Unit 4: Biomechanics & Safety; Biomechanics, Exercise Safety & Injury Prevention. Unit 5: Exercise Programming; Exercise Programming, Components of Physical Fitness. Unit 6: Mind & Body; Exercise Psychology, Sports Nutrition. Unit 7: Exercise Considerations; Exercise Programming Considerations, Special Populations.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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**PE****Fitness Fundamentals I/II**

Fitness Fundamentals I is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility. Fitness Fundamentals II takes a more in-depth look at the five components of physical fitness touched on in Fitness Fundamentals 1: muscular strength, endurance, cardiovascular health, flexibility, and body composition. This course allows students to discover new interests as they experiment with a variety of exercises in a non-competitive atmosphere. By targeting different areas of fitness, students increase their understanding of health habits and practices and improve their overall fitness level. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

**Grade Level:** 9 - 12**Classification:** PE**Semester Options:** A/B[BACK](#)**Flexibility Training**

This one-Semester course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores aspects of static, isometric, and dynamic stretching, as well as touch on aspects of yoga and Pilates. This course also discusses good nutrition and effective cross-training. Students take a pre- and post fitness assessment. Throughout this course students also participate in a weekly fitness program involving flexibility training, as well as elements of cardio and strength training. Unit 1: Fitness Assessment; Fitness Assessment, Getting Started, Training Plan. Unit 2: Principles & Technique; Anatomy & Physiology, Principles of Flexibility Training, Exercise Safety. Unit 3: Types of Flexibility Training; Static Stretching, PNF, Dynamic Stretching. Unit 4: Yoga & Pilates; Types of Yoga, Yoga Technique, Pilates. Unit 5: Cross-Training & Nutrition; Benefits & Cross-Training, Nutrition. Unit 6: Post Assessment.

**Grade Level:** 9 - 12**Classification:** PE**Semester Options:** 1 Semester[BACK](#)**Group Sports**

This one-Semester course provides students with an overview of group sports. Students learn about a variety of sports, yet do an in-depth study of soccer, basketball, baseball/softball, and volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct fitness assessments and participate in regular weekly physical activity. Unit 1: Getting Started; Fitness Assessment & Analysis, Getting Started, Safety & Injury Prevention. Unit 2: Sports Culture; Intro to Team Sports, Sportsmanship & Culture, Sports Nutrition. Unit 3: Soccer; Soccer Guidelines & Game Play, Soccer Skills. Unit ; 4: Basketball; Basketball Guidelines & Game Play, Basketball Skills. Unit 5: Baseball/Softball; Baseball/Softball Guidelines & Game Play, Baseball/Softball Skills. Unit 6: Volleyball; Volleyball Guidelines & Game Play, Volleyball Skills. Unit 7: Post Assessment.

**Grade Level:** 9 - 12**Classification:** PE**Semester Options:** 1 Semester[BACK](#)

## PE

### HOPE I/II

This two-semester, comprehensive health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. This course is also designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility. Semester 1: Unit 1: Holistic Health; Dimensions of Wellness, Decision-Making Skills. Unit 2: Starting a Fitness Program; What is Fitness? Goal Setting, Getting Started. Unit 3: Fitness Safety; Warm Up & Cool Down, Posture & Technique, Safety Guidelines. Unit 4: Mental Health; Mental Health, Coping Skills, Stress & Time Management. Unit 5: Social Health; Healthy Relationships, Communication. Unit 6: Nutrition; Nutrition, Weight Management. Semester 2: Unit 1: Fitness Components; Fitness Benefits, Movement Principles. Unit 2: Exercise Principles; Components of Fitness, FITT Principles, Heart Rate. Unit 3: Drugs & Alcohol; Drug Use, Tobacco & Alcohol. Unit 4: Reproductive Health; The Reproductive System, Abstinence & Contraception, STDs & AIDS. Unit 5: Disease & Safety; Disease Transmission & Prevention, Consumer & Environmental Health, Personal Safety. Unit 6: Healthy for Life; Health Interventions, Health Maintenance.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** A/B

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### Individual Sports

This one-Semester course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, hiking, yoga, dance, swimming, biking, and cross-training. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about the components of fitness, the FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity. Unit 1: Getting Started; Fitness Assessment & Analysis, Getting Started, Safety & Injury Prevention. Unit 2: Fitness Principles; Components of Fitness, Principles of Fitness, Principles of Movement. Unit 3: Life Time Sports I; Intro to Individual Sports, Walking & Running, Strength Training. Unit 4: Life Time Sports II; Yoga, Cycling, Dance. Unit 5: Total Health; Cross-Training, Nutrition. Unit 6: Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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### Introduction to Coaching

This one-Semester course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics. Unit 1: The Role of a Coach; Sports Careers & Venues, What is a Coach? Coaching Philosophy. Unit 2: Building a Team; Organization, Leadership, Communication. Unit 3: Team Safety; Sports Safety, Health-Related Fitness, Understanding Movement. Unit 4: Training Athletes; Sports Conditioning, Game Play & Strategy, Sport-Specific Training. Unit 5: Beyond the Playing Field; Sports Nutrition, Individualized Coaching, Life Coaching.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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## NOTES

## PE

### Lifetime and Leisure Sports

This one-Semester course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of martial arts, Pilates, fencing, gymnastics, and water sports. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the components of fitness, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments, set goals, and participate in weekly physical activity. Unit 1: Getting Started; Fitness Assessment & Analysis, Getting Started, Safety. Unit 2: Fitness; Components of Fitness, Team Player, Nutrition. Unit 3: Combative Sports; Martial Arts, Unarmed Martial Arts, Armed Martial Arts. Unit 4: Gymnastics & Pilates; Gymnastics, Gymnastic Skills, Pilates. Unit 5: Water Sports; Water Safety, Water Skills. Unit 6: Staying Active; Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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### Outdoor Sports

This one-Semester course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity. Unit 1: Getting Started; Fitness Assessment, Fitness Analysis, Getting Fit. Unit 2: Sports Participation; FITT Principles, Exercise Safety, Individual & Dual Sports. Unit 3: Outdoor Sports; Exploring the Outdoors, Navigating the Outdoors. Unit 4: Racquet Sports; Tennis, Tennis Skills. Unit 5: Golf; Golf, Golf Skills. Unit 6: Volleyball; Volleyball, Volleyball Skills. Unit 7: Staying Active; Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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### Personal Health & Fitness

This one-Semester; combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. This course is also designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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### Personal Training Career Prep

This one-Semester course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training. Unit 1: Intro to Personal Training; Intro to Personal Training, Health Concepts, Professionalism. Unit 2: Assessing Fitness Levels; Exercise Readiness, Cardio & Strength Assessments, Flexibility & Skills Assessments. Unit 3: Exercise Programming; Program Design, Implementation, Injury Prevention & Treatment. Unit 4: Exercise Considerations; Sports Considerations, Special Populations, Programming Considerations & Modifications. Unit 5: Becoming a Professional; Professional & Legal Responsibilities, Business Development, Certification & Beyond.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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**PE**

## Personal Training Concepts

This one-Semester course examines basic concepts in fitness that are important for personal fitness, as well as necessary foundational information for any health or exercise career field. Areas of study include musculoskeletal anatomy and physiology, terms of movement, basic biomechanics, health related components of fitness, FITT principles, functional fitness skills, safety and injury prevention, posture and technique, nutrition, and weight management. Unit 1: Concepts in Fitness; Intro to Fitness, Starting an Exercise Program, Safety. Unit 2: Body Systems; Terminology, Heart, Lungs, and Bones, The Muscular System. Unit 3: Movement; Principles of Movement, Exercise Principles, Fitness Skills. Unit 4: Components of Fitness; Cardio Fitness, Muscular Fitness, Flexibility. Unit 5: Nutrition & Health; Body, Composition, Weight Management & Drugs, Total Health.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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## Physical Education

Your body is a machine that has certain needs—if you treat it well, it should be able to serve you well. But what can you do to promote a fit and healthy body? This one-Semester course in physical education can show you. By definition, physical education is instruction in exercise and physical activity. It teaches you how to maintain your personal fitness, how to measure different aspects of physical fitness, and how to avoid injury while exercising. It's all about getting active and setting your body in motion. By measuring health and fitness with objective data, it's possible to improve your health in a methodical way. Exercise helps you feel good about yourself and helps you sidestep the health problems that often accompany poor levels of fitness.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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## Running

This one-Semester course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students conduct fitness assessments and participate in weekly physical activity. Unit 1: Getting Started; Fitness Assessment & Analysis, Getting Started, Training Plan. Unit 2: Running Mechanics; Exercise Principle Review, Running Principles & Technique, Training Zones. Unit 3: Safety & Equipment; Rules & Safety, Outdoor Elements, Equipment for Running. Unit 4: The Running Scene; Benefits of Running, Speed Training, Competitive Running. Unit 5: Total Wellness; Diet & Exercise, Cross Training. Unit 6: Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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## Sports Officiating

In this one-Semester course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play. Unit 1: Sport Culture & Officiating; Sport History & Culture, Game Strategy & Sportsmanship, Officiating a Game. Unit 2: Volleyball; Volleyball Guidelines & Game Play, Officiating Volleyball. Unit 3: Basketball; Basketball Guidelines & Game Play, Officiating Basketball. Unit 4: Soccer; Soccer Guidelines & Game Play, Officiating Soccer. Unit 5: Baseball & Softball; Baseball & Softball Guidelines & Game Play, Officiating Baseball & Softball. Unit 6: Football; Football Guidelines & Game Play, Officiating Football. Unit 7: Tennis; Tennis Guidelines & Game Play, Officiating Tennis.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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# NOTES



**PE**

## Strength Training

This one-Semester course focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training. Unit 1: Getting Started; Fitness Assessment & Analysis, Getting Started, Training Plan. Unit 2: Principles & Technique; Warm Up & Cool Down, Technique & Safety, Principles of Strength Training, Strength Training Equipment. Unit 3: Strength Training Exercises; Upper Body Strength, Lower Body Strength, Core Strength. Unit 4: Total Wellness; Benefits of Strength Training, Injury Treatment & Prevention, Diet & Exercise, Cross-Training. Unit 5: Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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## Walking Fitness

This one-Semester course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility. Unit 1: Getting Started; Fitness Assessment & Analysis, Getting Started, Training Plan, Motivation & Goal Setting. Unit 2: Walking Mechanics; Warm Up & Cool Down, Walking Technique, Principles & Training Zones. Unit 3: Safety & Equipment; Rules & Safety, Walking in the Elements, Walking Shoes & Equipment. Unit 4: The Walking Scene; Benefits of Walking, Speed Training & Race Walking. Unit 5: Overall Wellness; Diet & Exercise, Cross Training. Unit 6: Post Assessment.

**Grade Level:** 9 - 12

**Classification:** PE

**Semester Options:** 1 Semester

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**“Our son was not thriving academically in the Public School system, so we researched alternative school options for him. As luck would have it, we found Greenways Academy and it couldn’t be a better fit!”**

**— June N, Mother**

## Science

### Anatomy

In this one-Semester course students will explore the anatomy or structure of the human body. In addition to learning anatomical terminology, students will study and the main systems of the body– including integumentary, skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems. In addition to identifying the bones, muscles, and organs, students will study the structure of cells and tissues within the body. Unit 1: Cells, Skin, Sensory Organs; Intro to Anatomy, Cell & Skin Anatomy, Sensory Organs. Unit 2: Digestive Skeletal Systems; Digestive System, Axial Skeleton, Appendicular Skeleton. Unit 3: Muscular System Articulations; Muscular System I, Muscular System II, Articulations. Unit 4: Nervous & Circulatory Systems; Central Nervous System, Peripheral Nervous System, Circulatory System. Unit 5: Respiratory, Urinary, Reproductive, Endocrine Systems; Respiratory Urinary Systems, Reproductive System, Endocrine Lymphatic Systems.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

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### Astronomy 1A: Introduction

Follow your enthusiasm for space by introducing yourself to the study of astronomy. This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A

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### Astronomy 1B: Exploring The Universe

Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** B

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### Biology A/B

Biology, Semester A, is a single-Semester course designed to strengthen your knowledge of basic biology. The first unit provides an introduction to biology and biochemistry. It focuses on the roles of and differences between plant and animal cells. In the second unit, you'll learn about the functions of different organ systems. The third unit covers cell division and the role of DNA and chromosomes in passing traits from parents to offspring. Biology, Semester B, is a single-Semester course designed to strengthen your knowledge of biology concepts. The first unit focuses on the classification, characteristics and biological processes of living organisms. In the second unit, you'll study evolutionary mechanisms and the impact of environmental factors on species over time. The third unit focuses on the conservation of energy as it relates to living things and different ecosystems. In the last unit, you'll explore how different ecosystems are interdependent.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A/B

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### Biotechnology 1A: Introduction

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? In Biotechnology 1a: Introduction, you'll learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A

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# Science

## Biotechnology 1B: Unlocking Natures Secrets

The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence, while simultaneously creating new challenges. In Biotechnology 1b: Unlocking Nature's Secrets, you'll build on your knowledge from Biotechnology 1a and learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). You'll research new biotechnologies and learn how they are changing the world we live in, including the environmental benefits of industrial biotechnology.

**Grade Level:** 9 - 12

**Classification:** Science

**Semester Options: B**

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## Chemistry A/B

Chemistry is a two-Semester course. In Chemistry A, you will learn some of the “basics” of chemistry: the atomic and molecular structures that result in different chemical properties and the concepts and tools that will enable you to predict chemical properties and chemical reactions. In Chemistry B, you will learn about key types of chemical relationships and reactions, including solutions, reversible reactions, acid-base reactions, thermochemical systems, and electrochemical systems. You will use your knowledge to analyze new situations and make qualitative and quantitative predictions. Finally, you will extend your chemical knowledge into the areas of nuclear chemistry, organic chemistry, and biochemistry.

**Grade Level:** 9 - 12

**Classification:** Science

**Semester Options:** A/B

**BACK**

## Earth Science

Earth Science offers a focused curriculum that explores Earth's composition, structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space. Course topics include an exploration of the major cycles that affect every aspect of life, including weather, climate, air movement, tectonics, volcanic eruptions, rocks, minerals, geologic history, Earth's environment, sustainability, and energy resources. Optional teacher-scored labs encourage students to apply the scientific method.

**Grade Level:** 9 - 12

**Classification:** Science

**Semester Options:** A/B

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# NOTES

## Science

### Environmental Science A/B

This two Semester course is intended to introduce you to the concepts and processes of environmental science. This course is intended to introduce you to the concepts and processes of environmental science. In Semester A, you will learn about the importance of environmental science as an interdisciplinary field. You will describe abiotic and biotic factors of an ecosystem. You will describe the importance of biodiversity for the survival of organisms and the importance of the food chain and the food web in the ecosystem. You will learn about ecological interactions and succession. You will describe the effects of climate change and different types of adaptation. Further, you will describe the steps of the water cycle, and how carbon, oxygen, nitrogen, and phosphorous cycle in the global environment. In Semester B, you will learn about the factors that affect populations. You will describe human population growth and its implications. You will describe the factors that lead to unequal distribution of natural resources on Earth. You will explain waste management. You will describe different forms of pollution, and ways to control pollution. You will describe various nonrenewable and renewable energy sources. Further, you will learn about benefits of environmental policies and identify factors that affect sustainable development.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A/B

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### Forensic Science I: Secrets of the Dead

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

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### Forensic Science II: More Secrets of the Dead

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

[BACK](#)

### Forensics: The Science of Crime

We watch with interest as crime scenes are dramatized on television and in film, and sit on the edge of our seat as various members of the justice system solve the most baffling cases. But what about the science behind the crime? Forensics: The Science of Crime explores the role science and technology plays in this fascinating and growing career. In this course, you'll learn the specialized skills and techniques used during a crime scene investigation and how evidence and data is expertly collected, preserved, and analyzed. With a strong focus on the innovative science used in the field as well as participation in interactive activities, you will follow the entire forensic process – from examining evidence to taking the findings to trial – and learn how the professionals are utilizing science to bring criminals to justice.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 2 Semesters

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## Science

High School Earth and Space  
Science A/B

Earth and space science is the study of the structure of our planet and Earth's role in the solar system and universe. This branch of science relies on observations, historical data, and physical evidence to describe the natural processes that occur around us and in distant space. Semester A begins with a discussion of the methods and tools that scientists use to study Earth and space science, including the scientific method, modeling, and mathematics. You'll look at theories for how the planets, solar system, and universe formed and explain the interactions between the Sun, Earth, and Moon. You'll also learn about the emergence of Earth's materials, atmosphere, and first lifeforms, as well as the dating methods that help us piece together Earth's unique history. You'll begin Semester B by comparing the composition of rocks and minerals and analyzing the processes involved in the rock cycle. You'll explore the tectonic mechanisms that lead to some of Earth's most prominent geological features. Next, you'll study important interactions between the hydrosphere and atmosphere and the role they play in weathering and erosion. You'll also differentiate between weather and climate and make evidence-based predictions about both using data and modeling. The last unit in this course highlights the negative effects that humans can have on the natural cycles of Earth, as well as effective measures we can take to protect our planet.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A/B

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## Integrated Physics &amp; Chemistry A/B

This is a two-Semester class. In Integrated Physics and Chemistry A, you will first learn about the "basics" of physics, since physics is actually the foundation of chemistry. In this course, you will learn how to describe and analyze motion, how forces interact with matter, and how to further describe these interactions with the aid of the concepts of energy and momentum. You will also learn about waves, electricity, and magnetism. In Integrated Physics and Chemistry B, you will begin your study of chemistry. This includes the atomic and molecular structures that result in different chemical properties and the concepts and tools that will enable you to predict chemical properties and chemical reactions. You will learn about key types of chemical relationships and reactions, including solutions and acid-base reactions. Finally, you will extend your knowledge into the areas of thermal and nuclear energy.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A/B

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## Introduction to Astronomy

This one-Semester course is intended to introduce you to the concepts of astronomy. You will learn about the history of astronomy from ancient times to modern times. You will identify the movements of the Sun, Moon, planets, and stars across the sky. You will describe the formation of the solar system, and the role of the Sun and Moon in the solar system. You will describe the causes of seasons on Earth and the reasons for life on Earth. You will learn about stars, galaxies, and the Milky Way. You will explain various theories of cosmology, and advantages and disadvantages of space exploration.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

[BACK](#)

## Introduction to Forensic Science

This one-Semester course is intended for you to familiarize yourself with the knowledge and skills required for a career in Forensic Science. You will learn about the importance and limitations of forensic science and explore different career options in this field. You will also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA. Moreover, you will learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains at a crime scene. Finally, you will learn about forensic investigative methods used in arson, computer crimes, financial crimes, and forgeries.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

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## Science

### Introduction to Marine Biology

In the one-Semester course you will explore the fundamental concepts of marine biology. You will learn about the formation and characteristic features of the oceans. You will also learn about the scientific method and explore careers available in marine biology. The course will introduce you to the characteristic features of different taxonomic groups found in the ocean. You will learn about the different habitats, life forms, and ecosystems that exist in the oceans and explore the different types of adaptations marine creatures possess to survive in the ocean. You will learn about succession and the flow of energy in marine ecosystems. Finally, you will also learn about the resources that the oceans provide and the threats that the oceans face from human activities.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

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### Marine Science: Secrets of the Blue

Have you ever wondered about the secrets of the deep, and how the creatures below the ocean's surface live and thrive? It is truly a new frontier of discovery, and in Marine Science, you will begin to understand a great deal more about the aquatic cycles, structures, and processes that generate and sustain life in the sea. Through the use of scientific inquiry, research, measurement, and problem solving, you will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science. You will also have the opportunity to use technology and laboratory instruments in an academic setting. By recognizing the inherent ethics and safety procedures necessary in advanced experiments, you will become progressively more confident in your abilities as a capable marine scientist.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 2 Semesters

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### Physics A/B

Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. This two-Semester course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A/B

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## Physiology

In this one-Semester course, students will examine the functions of the body's biological systems— including skeletal, muscular, circulatory, respiratory, digestive, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems. Unit 1: Cells, Sensory Organs, & Blood; Cellular Function, Sensory Organs, Functions of Blood. Unit 2: Circulatory & Respiratory Systems; Lymphatic System & Immunity, Circulatory System, Respiratory System. Unit 3: Nervous & Digestive Systems; Nervous System I, Nervous System II, Digestive System. Unit 4: Musculoskeletal Systems; Skeletal System & Joints, Muscular System, Energy Systems. Unit 5: Urinary, Endocrine, & Reproductive Systems; Urinary System, Endocrine System, Reproductive System.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** 1 Semester

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### Principles of Health Science A/B

This is a two-Semester Course. The first-Semester course is intended as a practical, hands-on guide to help you understand the five systems related to health care: diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems. This course will cover the history of health care in the United States, job opportunities in the five healthcare systems, the qualifications and skills required to work in the healthcare sector, and factors that are important in a workplace environment such as communication skills, knowledge of laws and ethics related to health care, and knowledge of nutrition principles. The second-Semester is intended as a practical, hands-on guide to help you understand the human body systems and learn career skills related to health care. This course will cover medical terminology, human anatomy, homeostasis, and different stages of development in the human lifespan. It also covers desirable personal qualities and professional skills for the healthcare sector.

**Grade Level:** 9 - 12  
**Classification:** Science  
**Semester Options:** A/B

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## Social Studies

### African American History

How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, racism, and the Civil Rights Movement. You will also explore how the history of African Americans influences current events today.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** 2 Semesters

[BACK](#)

### Anthropology I Uncovering Human Mysteries

What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropologic lens to observe our movement from cave dweller to modern humans. It sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability – how did we get this way?

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** A

[BACK](#)

### Anthropology II More Human Mysteries Uncovered

How does your culture influence you? Find out how different locations shape various cultures and, in turn, how these cultures shape people's lives around the world – from the jungles of the Amazon to the islands of Indonesia. Anthropology II: More Human Mysteries Uncovered provides a fascinating look at this puzzle of culture. Many of our ancient cultures and languages were shaped by the geographical locations of our ancestors, and in this course, you will begin to visualize new ideas about how ancient cultures flourished through examining their views on life, death, art, and survival. In looking back and learning about cultures through the ages, we are better equipped to understand the world around us today.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** B

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### Archaeology Detectives of the Past

The famous Spanish philosopher and writer George Santayana once said, "Those who cannot remember the past are condemned to repeat it." We know from studying history how true this statement is, and the age-old field of archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. This fascinating course, Archaeology: Detectives of the Past, explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** A

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## NOTES

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## Social Studies

### Civics

Civics is a course that offers alignment to a variety of state and national standards sets for Civics and Government, as well as alignment to the USCIS Naturalization test. The course includes a variety of unit and lesson activities that examine the history, geography, culture, and economy of the state that encourage research and reflection. In these activities, you will examine founding documents and landmark Supreme Court cases in American political history, analyze changes in federal and executive power over time, explore the political election process and data related to recent voting trends, research and propose a public policy plan, as well as compare and contrast the functions of the national government with state and local governments. In addition, the course includes an entire unit with content to prepare for the USCIS Naturalization test. You can also access a worksheet with all 100 items from the USCIS test. Throughout the course, places where you can find or research answers to these questions are highlighted. Students can access this information by selecting the following callout image onscreen:

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Contemporary World A/B

The Contemporary World is a two-Semester course. Semester A, is a single-Semester course designed to strengthen your knowledge about the modern world. In the first unit, you will explore how geography can help you gain a better understanding of the world and its people. In the second unit, you will learn about the influence of culture on the world. In the third unit, you will discover the relationship between art and society and study migration and population distribution. In the last unit, you will learn about the effect of physical processes on the environment and look at the ways people have adapted to and modified physical environments. Semester B, is a single-Semester course designed to strengthen your understanding of government in the modern world. In the first unit, you will study the role of government and the responsibilities of citizens in contemporary societies. In the second unit, you will learn about democracy in the United States, and you will look at the structure of the Constitution. In the third unit, you will explore the functions of the US legal system as well as understand the rights and responsibilities of US citizens. Toward the end of this course, you will learn about the factors affecting the development of global trade and examine the structure and function of the US economy.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** A/B

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### Economics

Economics is a social science that examines how goods and services are created, consumed, and exchanged. This one-Semester course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### History of the Holocaust

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 2 Semesters

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## Social Studies

### Holocaust Studies

Holocaust Studies is a single-Semester course that describes the mass murder of millions of Jews during the Nazi rule in Germany and its impact on the international community. In this course, you will trace the history of Jews living in Europe and the origins of anti-Semitism. You will learn about the early life of Hitler and his rise to power. The course also describes how the Nazis exterminated the Jews and how Jews resisted. You will also learn about the liberation of the Jews and the impact of the Holocaust on the non-Jewish community. The course also covers the outcome of postwar trials.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** 1 Semester

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### Human Geography Our Global Identity

How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** 1 Semester

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### Introduction to Anthropology

This one-Semester elective course is intended as a practical guide to introduce you to the field of anthropology. You will explore the evolution of anthropology as a distinct discipline, learn about anthropological terms, concepts and theories, and discuss the evolution of humans and human society and culture. Students will also learn about social institutions, such as marriage, economy, religion, and polity. The target audience for this course is high school students.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** 1 Semester

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### Introduction to Archaeology

Introduction to Archaeology is a one-Semester course with 14 lessons that discuss the work and techniques involved in archaeology, and the prospects of an archaeologist. This course covers subject areas such as: history of modern archaeology, discoveries in archaeology, careers in archaeology, research techniques, evidence, site excavation, and many more.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** 1 Semester

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### Introduction to Philosophy

This one-Semester course is intended as a practical guide to help you understand the subject matter of philosophy, its main branches, and the major ideas and issues discussed in each branch. This course will help you meet the following goals: Understand the subject matter of philosophy and key contributions by major philosophers. Explore the major branches of philosophy. Learn about the beginnings of philosophical questioning. Discuss the development of contemporary metaphysics. Discuss the rationalist ideas and philosophers within epistemology. Discuss the theories of empiricism and empiricist philosophers. Explore the fundamentals of logic and learn the methods of argument. Learn about the main ideas in the philosophy of art. Learn about the main ideas in value theory and describe moral systems. Examine the theories for and against the existence of God. Discuss the problem of evil, understand its paradoxes, and discuss a variety of responses. Discuss the fundamental concepts of social philosophy. Discuss key concepts and issues in political philosophy. Explore the field of bioethics and the application of philosophical theory to real-life situations. Discuss the applications of philosophy in the fields of finance and business.

**Grade Level:** 9 - 12

**Classification:** Social Studies

**Semester Options:** 1 Semester

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## Social Studies

### Introduction to Women's Studies: A Personal Journey Through Film

This course, although looking specifically at the experiences of women, is not for girls only. If you are student interested in exploring the world through film and open minded enough to be interested in social change, this course is for you.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Introduction to World Religions

This one-Semester course is intended to help you understand the origin, beliefs, and practices related to various world religions. This course will help you meet the following goals: Understand the concept of religion and its purpose. Explore different approaches to studying world religions. Trace the origins and history of various world religions. Familiarize yourself with the beliefs and practices of different world religions. Identify religious texts, symbols, and places. Discuss the contributions of some famous personalities to world religions.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Social Issues

Because the specifics of social issues change rapidly, this one-Semester course is designed to have students discover contemporary and relevant perspectives on issues that may have been around for centuries. Students engage in significant research and each lesson ends with an essay assignment that encourages students to express their opinions. Topics include media, government, civil liberties, poverty, terrorism, crime, the environment, and many more.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Social Problems I: A World in Crisis

War, crime, poverty, global warming our world often seems full of dire warnings and predictions. How can we make sense of it all and still dare to step outside each day? Social Problems I: A World in Crisis will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action!

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Social Problems II Crisis, Conflicts and Challenges

The Social Problems 2 course continues to examine the social problems that affect individuals and societies in the world today. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. Students examine the connections in each issue between societies, individuals, governments, and the global arena.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Sociology

In this one-Semester course, students will explore the evolution of sociology as a distinct discipline while learning about sociological concepts and processes. They will learn how the individual relates to and impacts society. Students will also learn about the influence of culture, social structure, socialization, and social change on themselves and others. The course combines a variety of content types, including lessons, activities, discussions, and games to engage learners as the discover sociology as a subject and as a career.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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## Social Studies

### Sociology I: The Study of Human Relationships

Human beings are complex creatures; however, when they interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Sometimes it can feel as if there are more questions than answers. Sociology I: The Study of Human Relationships seeks to answer these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out!

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### Sociology II: Your Social Life

Why do people disagree on so many big issues? Where do culture wars come from? Maybe you've wondered this as you've looked through your social media feed or read the latest online article about groups fighting over different social issues. Sociology II: Your Social Life takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### US Government

This one-Semester course is the study of the founding principles of democracy in the United States, the structures and details of how the government functions, and the role of the individual citizen in participating in that democracy. You will learn about the principles and events leading to the founding of the United States in the eighteenth century; examine how the operations of the US government are spread among three branches of government and distributed between the national, state, and federal levels of government; explore the role of the individual citizen in the operations of the government; and finally apply these concepts to understanding the concrete areas of foreign, domestic, and economic policy.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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### US History A/B

In US History A, you will learn about the process of historical inquiry, review the events and principles behind the founding of the United States, and then apply historical inquiry to analyze societal issues, trends, and events from the Civil War through the Great Depression. You'll explore timelines to gain an understanding of how events link to each other, and you'll analyze historical documents for a firsthand sense of how events unfolded. You'll also gather evidence from relevant documents and historical texts in order to develop credible explanations of events in US history. You'll then use that evidence to evaluate change and continuity over time by writing essays and creating presentations about broad periods of historical development. In US History B, you will apply historical inquiry to analyze societal issues, trends, and events of US history from World War II to the present, including the Cold War, Civil Rights and other social movements, the Vietnam War, modern presidencies, and responses to global terrorism. You'll explore timelines to gain an understanding of how events link to each other, and you'll analyze historical documents for a firsthand sense of how events unfolded. You'll also gather evidence from relevant documents and historical texts in order to develop credible explanations of events in US history. You'll then use that evidence to evaluate change and continuity over time.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** A/B

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### Women's Studies

Women's Studies is a course that is designed to help you understand the concepts of gender and gender roles, and the social discrimination that exists on the basis of gender. You will learn about the history of feminism and feminist theories. You will also learn about the social and political movements that raised awareness about equal rights for women and other marginalized groups. You will explore the role of media in reinforcing gender stereotypes. This course also looks at the difference in the Western and non-Western ideas of gender, feminism, and activism. The course ends with a discussion on the possible challenges in the path toward creating an equal society.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 1 Semester

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## Social Studies

### World Geography A/B

This is a two-Semester course. In Semester A, you will learn about these special features which drive economic development and form the locales where people settle. Course Goals By the end of this course, you will be able to do the following: Analyze factors that contribute to Earth's climate. Examine processes that shape the physical environment. Analyze patterns of human settlement. Analyze the relationship between natural resources and economic development. Analyze the human and physical geography of North America and South America. In Semester B, you will learn about these special features which drive economic development and form the locales where people settle. Course Goals By the end of this course, you will be able to analyze the human and physical geographies of the following regions: Europe, Asia, Africa, Australia and New Zealand.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** A/B

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### World History A/B

This is a two-Semester course. In Semester A, you'll explore major historical events around the world. In the first unit, you'll develop your historical thinking skills. In other units;you'll examine the origins and developments of European exploration, learn about the causes and effects of the Renaissance and the Reformation, explore revolutions that occurred from 1789 to 1848, including the Scientific Revolution, the American Revolution, and the French Revolution. You'll explore the causes and effects of the Industrial Revolution, the spread of nationalism in Europe, and the Russian Revolution. In Semester B, you'll explore major historical events around the world. You'll analyze imperialism in the late nineteenth and early twentieth centuries and examine the causes and consequences of World War I. You'll study World War II, analyzing the factors that started the war and the impact of the war. You'll explore the rise and fall of communism in the Soviet Union and China and learn about the Cold War between the United States and the Soviet Union. You'll analyze the effects of decolonization in Southeast Asia and Africa, study the modernization of China and the rise of nationalism in the Middle East and explore economic globalization and evaluate the benefits and challenges of living in the modern world.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** A/B

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### World History Survey A/B

This is a two-Semester course. In Semester A, you'll learn about major historical events, from the earliest human societies through the Middle Ages. In the first unit, you'll learn about early humans, the Neolithic Revolution, and the development of civilizations in Mesopotamia, Egypt, India, and China. In the second and third units, you'll study major world religions and classical civilizations of the world. In the last two units, you'll study the history and society in the early and late Middle Ages. In Semester B, you will learn about important events in world history from the first global age to the present day. In the first unit, you will study global exploration and expansion, the transoceanic slave trade, and the colonization of the Americas. You'll also examine the Renaissance and Reformation in Europe. In the second unit, you will identify the many different revolutions that occurred in world history during the 1600s and 1700s. In the third unit, you will examine nationalism and imperialism during the late 1700s and throughout the 1800s. In the fourth unit, you will study the events and impact of the two world wars. In the fifth unit, you will identify the rise of communism, the events of the Cold War, and the end of colonialism in Africa and Asia. In the last unit, you will examine the challenges and innovations of an increasingly globalized world.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** A/B

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### World Religions: Exploring Diversity

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taosim. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

**Grade Level:** 9 - 12  
**Classification:** Social Studies  
**Semester Options:** 2 Semesters

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## STEM

### Adventure Maps Expansion Course

In the standalone Adventure Maps expansion course, students design an expansive Minecraft® world from the ground up then code all the game's functionality using command block programming. This visually intuitive method of coding is easy for beginners, but powerful enough to design new functionality for their game. At the end of the expansion pack, they will have their own polished adventure map that they created from scratch. This is a project-based experience in which students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the expansion pack, students work with industry-standard tools used by professionals. If they need any help along the way with their coursework or projects, students can reach out to experts for support by email, chat, or phone. By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, either in further study or professionally.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** 1 Semester

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### Artificial Intelligence

This one-Semester course is focused on the history, applications, and innovations of artificial intelligence. Students will learn about intelligence agents, problem solving using search algorithms, knowledge representation, and reasoning in artificial intelligence. Students will also learn about the basic concepts of machine learning and natural language processing (NLP). Students will also learn about expert systems, computer vision and robotics. This 12-lesson course also covers ethics and safety related to artificial intelligence. Online discussions and course activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** A

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### Computer Programming I A/B

Computer Programming I combines engaging online and offline activities in a rigorous two-Semester course for high school students who may be aspiring to technical careers. Building on lessons covering the software development life-cycle and software development methodologies, the first-Semester of this course uses online discussions, activities, and lessons to lead your students through additional key topics such as quality control, system implementation and maintenance and the increasingly important issue of system security. The second-Semester of this course describes various phases of the SDLC such as analysis, design, development, testing, and implementation. This course describes software development methodologies, various types of project plans, Unified Modeling Language (UML) design, various types of testing, and system implementation. This course also identifies various security threats and risks to computer systems and the methods to mitigate them.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** A/B

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### Drafting and Design A/B

From the history of drafting and design to a look at the latest in the industry's latest computer-aided tools, this two-Semester course gives your students a comprehensive look at a dynamic and in-demand career. With 14 effective lessons and five engaging activities that lead to mastery of the course content, the course review and end of course assessment help ensure that mastery. The course features skill-embedded content that connects student learning to real-life experiences.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** A/B

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## STEM

### Foundations of Green Energy

Foundations of Green Energy, Semester A is the first part of a two-semester course designed to help you learn about the science, technologies, and careers in the rapidly growing and evolving energy industry, with special emphasis on electrical energy and new and emerging energy technologies. The course is designed to address state standards related to STEM studies in energy. The course content is aligned to the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). The course consists of four units: • Unit 1 – You'll learn about conventional and renewable energy sources as well as emerging alternative energy sources. • Unit 2 – You'll review basic electricity concepts such as voltage, current, resistance, power, energy, AC and DC power, Ohm's law, and the power formula. • Unit 3 – You'll learn about different electric power generation systems, including thermal, nuclear, hydroelectric, wind, and solar photovoltaic systems. • Unit 4 – You'll focus on careers in the energy industry. Semester B is the second part of a two-semester course designed to help you learn about the science, technologies, and careers in the rapidly growing and evolving energy industry, with special emphasis on electrical energy and new and emerging energy technologies. The course is designed to address state standards related to STEM studies in energy. The course content is aligned to the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). The course consists of three units: • Unit 1 – You'll discuss electric power generation from conventional energy sources including crude oil, natural gas, coal, nuclear energy, and hydropower, and explore careers in each of these fields. • Unit 2 – You'll discuss clean, renewable, and alternative energy sources, including solar, wind, bioenergy, and geothermal; and emerging energy sources such as ocean waves, algal fuels, clean coal, IGCC, biodegradable materials, and waste-to-energy processes. • Unit 3 – You'll explore workers' health and safety. You'll also describe cyberattacks, energy system resilience, and careers in energy security.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** A/B

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### Game Development

Are any of your students gamers? That's what we thought. In this one-Semester course, they'll learn the ins and outs of game development to prepare them for a career in the field. Whether it is the history of video games, character development, mobile game design, user interface design, social gaming, or the principles of development design and methodologies, this 20-lesson course covers it all. As you might guess, games are included in the course to enhance the learning experience and help assess student progress. While fun and highly engaging, the course focuses on laying a strong foundation for a career in game development.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** 1 Semester

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### Introduction to Android Mobile App Development

This one-Semester course is designed to introduce students to the process involved in creating a mobile app. Students learn about history of and upcoming trends in mobile app development. They explore career options in mobile app development and describe skills and training required for mobile app development. They also describe the types of apps available in the market. Moreover, they learn about platforms for developing Android mobile apps. Further, they learn about the Android development environment. Finally, they create the user interface of an app and make it interactive in Android Studio.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** 1 Semester

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### Intro to Cybersecurity

This one-Semester course is intended to introduce you to the concepts of cybersecurity. In Introduction to Cybersecurity, you will examine key cybersecurity concepts and programs. You will identify the different types of cybersecurity threats and errors. You will explain how to protect your computer system, networks, and data from various cyber attacks. You will describe the process of risk assessment, mitigation, and incident handling. You will examine various laws, standards, and ethical issues related to cybersecurity. Finally, you will explore the career opportunities in the field of cybersecurity.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** 1 Semester

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**STEM**

## Intro to iOS Mobile App Development

This one Semester course is designed to introduce students to the process involved in creating an app. Students learn about history of and upcoming trends in mobile app development. They explore career options in mobile app development and describe skills and training required for mobile app development. They also describe the types of apps available in the market. Moreover, they learn about various platforms for developing iOS mobile apps. Further, they learn about the iOS development environment. Finally, they create the user interface of an app and make it interactive in Xcode.

**Grade Level:** 9 - 12

**Classification:** STEM

**Semester Options:** 1 Semester

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## Networking Fundamentals A/B

Networking Fundamentals, Semester A is the first part of a two-semester course. This course introduces you to careers in networking as well as basic concepts in networking. You'll describe types of networks, network topologies, software-defined networking, private and public networks, as well as intranets and extranets. You'll also learn about the Internet of Things (IoT) technologies. You'll learn about networking models, networking protocols, IP addresses, and subnetting. You'll identify networking devices, cables, media, and connectors. You'll learn to install a network operating system and set up a small wired network. Finally, you'll identify common network security threats and preventive measures to secure a network. Semester B is the second part of a two-semester course. This course focuses on network planning, administration, troubleshooting, and maintenance. You'll learn about the different phases of project management and identify important skills needed to manage a project. You'll also plan, design, and document a network. You'll learn about wireless networking stan-

## Networking Fundamentals A/B Continued

dards and access methods. You'll learn to set up and secure a wireless network. You'll learn about virtual private networks and cloud computing. You'll also learn to troubleshoot issues related to wired and wireless networks. Finally, you'll identify disaster recovery methods and describe how to maintain a network.

**Grade Level:** 9 - 12

**Classification:** STEM

**Semester Options:** A/B

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## Principles of Architecture & Construction A/B

The Principles of Architecture and Construction Semester A course is intended to help familiarize you with basic concepts of architecture and construction and a wide range of careers available in this field. Principles of Architecture and Construction Semester A begins by introducing foundational concepts of architecture and construction. This course covers architectural drawings, structure and loads, materials, and equipment used in architecture and construction. In this course, you will also review career opportunities in the field of Architecture and Construction. Finally, this course will explain the important workplace ethics required in this field. The Principles of Architecture and Construction. Semester B course explains the use of computers, design concepts, and project management, as well as the safety, legal, and communication requirements in architecture and construction work. Principles of Architecture and Construction Semester B begins by describing basic computer hardware and software. In this course, you will create enhanced documents by using word processing software and explain the options for creating and managing spreadsheets. This course also covers the key concepts of urban design and its relationship with city government. Finally, you will learn about construction documents and standards.

**Grade Level:** 9 - 12

**Classification:** STEM

**Semester Options:** A/B

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## STEM

### Principles of Engineering & Technology A/B

This easy-to-manage, two-Semester course provides students with essential STEM knowledge and an effective overview of STEM careers. The course's 15 lessons are interspersed with activities and online discussions that engage learners and promote understanding and achievement. Topics covered include biotechnology, mechanics, and fluid and thermal systems. The concluding lesson provides a valuable overview of the overall engineering design process.

**Grade Level:** 9 - 12

**Classification:** STEM

**Semester Options:** A/B

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### Principles of Information Technology A/B

Principles of Information Technology, Semester A is the first part of a two-semester course. It is designed to help you learn the basics of information technology. You will learn the fundamentals of computer systems, identify basic computer hardware components, describe input and output devices and peripheral devices, and compare different types of storage devices. You'll also learn about operating systems and application software. You'll learn to install, configure, and maintain software and hardware. You'll explore the internet and the World Wide Web, and various ways to communicate using the internet while minimizing security risks. You'll discuss legal and ethical issues in information technology. You'll learn to use word processors, presentation software, and spreadsheets, and learn about techniques to extract information from a database. This course has 16 lessons organized into four units, plus four Unit Activities. Most lessons contain one or more Lesson Activities. Semester B is the second part of a two-semester course. It is designed to help you go deeper in your study of information technology. You'll explore emerging technologies, multimedia applications, and computer programming concepts and programming languages. You'll learn about different types of computer networks and the need for network security and administration. You'll explore web development tools and web design techniques, and you'll learn to use HTML to design web pages and websites. Finally, you'll explore different career pathways in the field of information technology, and you'll identify the key skills and certifications you will need for these careers. This course has 14 lessons organized into four units, plus four Unit Activities. Most lessons contain one or more Lesson Activities.

**Grade Level:** 9 - 12

**Classification:** STEM

**Semester Options:** A/B

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### Robotics I A/B

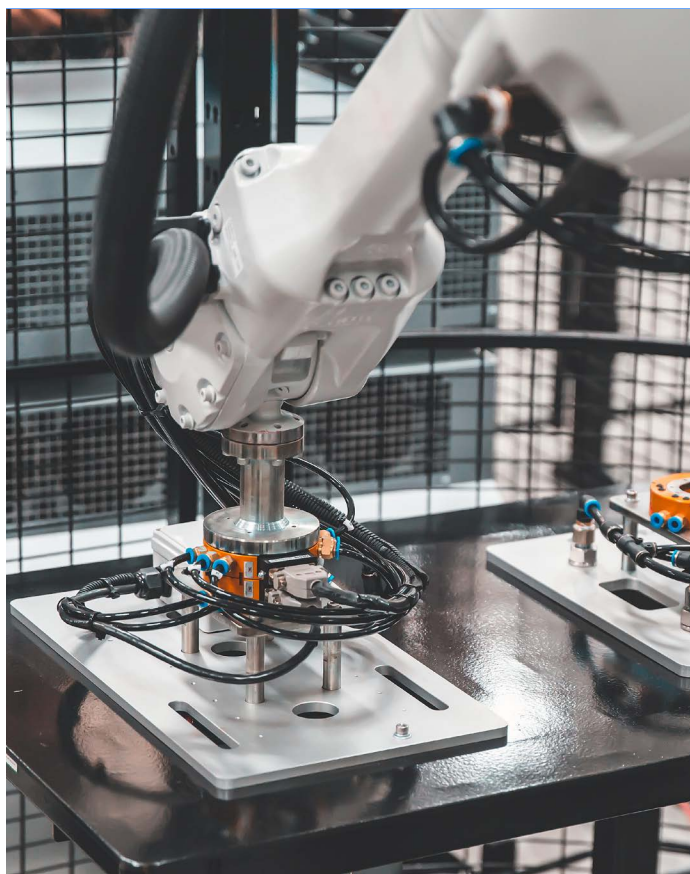
Robotics I is a two-Semester course. Semester A is a one-Semester course that explains various concepts related to robotics. This course begins by describing the evolution and applications of robotics. This course helps you identify career opportunities and important employability skills in robotics. You will explain the importance of teamwork and describe the skills needed to work in a team. You will describe Newton's laws of motion and their applications in robotics. You will describe basic concepts of electricity, electronic circuits, Boolean algebra, magnetism, and their applicability to robotics. You will apply safety procedures and construct a simple robot. Semester B is a one-Semester course that addresses more advanced concepts related to robotics. This course begins by describing the importance of project management in the success of a project. You will describe the steps of the engineering design process. You will identify the use of software to control robots. You will create a robotic arm. You will describe the ethics and laws related to robotics. You will create a robot using programming. This course covers how to test and maintain a robotic system. This course also covers how to create and present a proposal for a robot.

**Grade Level:** 9 - 12

**Classification:** STEM

**Semester Options:** A/B

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## STEM

### Web Technologies A/B

This is a two-Semester course. The first Semester is intended as a practical, hands-on guide to help you understand the concepts of website design. This course guides you how to create a website using web technologies. This course will cover careers in web technology, uses of web technology, and emerging trends in web technology. It also covers principles of design and creation of graphics. In addition, the course covers Internet protocols, web development tools, and client-server processing. The course also covers web page creation using HTML and style sheets. Finally, the course covers website design and the web development process. This course will help you meet the following goals: Describe different career choices in the field of web technology. Describe educational qualifications, skills, and training required to pursue a career in web technology. Describe the effects of color and typography on a web page. Apply visual design principles. Create and edit graphics for a web page. Describe how information is transmitted on the Internet. Describe client-server processing. Design and create web pages. Describe the basic structure of a document that codes a web page, and create web pages using HTML. Create style sheets to format a web page and control its layout. Create a website. The second Semester course is intended as a practical, hands-on guide to help you understand advanced concepts of website design and concepts related to desktop publishing and multimedia. This course covers the creation of desktop publishing and multimedia projects. It also covers legal and ethical issues related to the Internet and website design. In addition, this course covers web page creation using JavaScript. It also covers DHTML and XML. The course additionally covers how to gather requirements from the client, plan out website development, create a wireframe, and create and publish a website. Finally, the course covers web maintenance and web administration. This course will help you meet the following goals: Create a desktop publishing project. Create a multimedia project. Describe copyright rules and guidelines. Describe the basic features of JavaScript. Create DHTML and XML documents. Create an attractive web page using a WYSIWYG editor. Describe how to gather and document client requirements. Describe the importance of planning in website development and create a project plan. Create site maps and wireframes for a website. Describe how to create and launch a website. Describe the administration and maintenance of web servers. Create a digital portfolio.

**Grade Level:** 9 - 12  
**Classification:** STEM  
**Semester Options:** A/B

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## DUAL ENROLLMENT

### CIS 194 - Business Technology Fundamentals

This course is the first in a series that will prepare learners for a Google IT Certificate. Learn more about the certificate [here](#). Technology fuels the businesses of today, and businesses need competent technology professionals to support the infrastructure that drives their success. In this, you'll be introduced to this environment and will learn about critical business tech support functions, including managing an organization's hardware, networking technology, and software, as well as how to solve technical problems for business. technology users. In this course you will learn: How the binary system works; How to assemble a computer from scratch; How to choose and install an operating system on a computer, understand what the Internet is, how it works, and the impact it has in the modern world. How applications are created and how they work under the hood of a computer How to utilize common problem-solving methodologies and soft skills in an information technology setting. Prerequisite: None.

**Grade Level:** 9 - 12  
**Classification:** Information Technology  
**Credits:** 1

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### CIS 194 - Computer Networking in Organizations

This course is the second in a series that will prepare learners for a Google IT Certificate. This course is designed to provide a full overview of computer networking. In this course you will learn to : Describe computer networks in terms of a five-layer model; Understand all of the standard protocols involved with TCP/IP communications; Grasp powerful network troubleshooting tools and techniques; Learn network services like DNS and DHCP that help make computer networks run; Understand cloud computing, everything as a service, and cloud storage. Prerequisite: CIS 194 Business Technology Fundamentals.

**Grade Level:** 9 - 12  
**Classification:** Information Technology  
**Credits:** 2

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## DUAL ENROLLMENT

### CIS 194 - Operating Systems Management for Business

This course is the third in a series that will prepare learners for a Google IT Certificate. Learn more about the certificate here. This course will focus on the practical aspects of the operating system. You will learn how to use the windows and linux OS and how to interact with these operating systems through the command line, which inputs text commands instead of relying on a graphical user interface or GUI. You'll also learn how file systems work and you'll be able to assign different user permissions and roles; you'll be able to understand how to use package managers and consider the trade-offs between different package managers for windows and linux; you'll also learn about process management so you understand the nuances of running programs that could save you valuable time when troubleshooting in the workplace. Finally, we'll take a deeper dive into remote connection tools and teach you about OS deployment and how to install on a lot of machines at once.

**Grade Level:** 9 - 12

**Classification:** Information Technology

**Credits:** 3

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### MAT 117 - College Algebra and Problem Solving

This online college algebra course equips you with the skills to effectively solve problems using algebraic reasoning. What sets this course apart from a standard algebra course is its strong emphasis on the techniques that are used to solve problems. The goal is not to simply teach you mathematical forms but to help you understand the "whys" behind how you are solving problems. Throughout this course, you will be able to participate in discussions with other students and the professor to help build your conceptual understanding of algebra. In this course, you will learn about systems of linear equations, rational functions, quadratic functions, logarithmic functions, general polynomial functions, and exponential functions. Additionally, our college algebra online course uses cutting-edge adaptive technology (the ALEKS learning system). ALEKS is a personalized math tutor that will help you learn each of the skills in our course at your own pace, making it fun to learn algebra online. Our goal is to reduce your "math anxiety" and ensure you walk away feeling confident about math. This online college algebra course — offered as self paced or instructor led — equips you with the skills to effectively solve problems using algebraic reasoning.

**Grade Level:** 9 - 12

**Classification:** Math

**Credits:** 3

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### MAT 170 - Precalculus

In this college-level precalculus course, you will prepare for calculus by focusing on quantitative reasoning and functions. You'll develop the skills to describe the behavior and properties of linear, exponential, logarithmic, polynomial, rational, and trigonometric functions. This course tailors content and personalizes the learning experience around your skill level, allowing you to achieve mastery in a certain concept before moving on to the next. Utilizing the ALEKS learning system, students in this personalized course will be instructed on the topics they are most ready to learn. Individualized coaching is also provided as you move through each new topic.

**Grade Level:** 9 - 12

**Classification:** Math

**Credits:** 3

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## DUAL ENROLLMENT

### MAT 210 - Brief Calculus: Calculus for Business and Economics

Topics covered in this course include limits and derivatives of algebraic, logarithmic, and exponential functions; the definite integral; analysis of graphs; optimization; applications of the derivative; and more. Content in this course is adaptive, allowing you to achieve mastery in a certain concept before moving on to the next. This course uses Gradarius, a calculus learning platform that personalizes your learning based on the topics you already know and the topics you still need to learn. You will also have access to individualized coaching as you move through each topic in this course.

**Grade Level:** 9 - 12

**Classification:** Math

**Credits:** 3

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### MAT 265 - Calculus for Engineers 1: Calculus with Analytic Geometry for Science and Engineering

Topics covered in this course include limits (including those involving infinity); derivatives and rates of change; continuity; applications of the derivative; linear approximation; accumulation; antidifferentiation; definite integrals; and more. Content in this course is adaptive, allowing you to achieve mastery in a certain concept before moving on to the next. This course uses Gradarius, a calculus learning platform that personalizes your learning based on the topics you already know and the topics you still need to learn. You will also have access to individualized coaching as you move through each topic in this course.

**Grade Level:** 9 - 12

**Classification:** Math

**Credits:** 3

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### EA 11 Foundations for Earned Admission

This non-credit, self paced orientation is designed to help you succeed as an online student in your Universal Learner Courses. We recommend completing this orientation prior to beginning your first Earned Admission course.

**Grade Level:** 9 - 12

**Classification:** Math

**Credits:** 0

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## Test Prep

### ACT English, Math, Reading and Science Reasoning

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### ACT WorkKeys

WorkKeys is a job skills assessment system that helps employers select, hire, train, and retain a high-performance workforce. WorkKeys scores help compare a learner's skills to the skills real jobs require. ACT WorkKeys assessments are divided into the following subdivisions: ACT WorkKeys - Applied Mathematics - Leveled ACT WorkKeys - Business Writing - Leveled ACT WorkKeys - Comprehensive ACT WorkKeys - Locating Information, Teamwork, Listening, and Applied Tech - Leveled ACT WorkKeys - Reading for Information - Leveled

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### ASVAB Prep

The ASVAB is a test developed and maintained by the Department of Defense. ASVAB scores count toward the Armed Forces Qualifying Test (AFQT) score. ASVAB Mathematics; ASVAB Technology & General Science, Part 1; ASVAB Technology & General Science, Part 2 ASVAB Word Knowledge & Paragraph Comprehension.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### CompTIA A+ 220-1001

CompTIA A+ 220-1001 is a one-Semester course that covers the objectives of the CompTIA A+ 220-1001 exam. This course begins by describing computer hardware parts and peripherals. You will explain network fundamentals, network hardware, and wireless networking. You'll explain virtualization and cloud concepts. You will describe features of laptop and mobile devices. You will also describe how to troubleshoot issues related to hardware, networks, storage, mobile devices, and printers.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** A

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## Test Prep

### CompTIA A+ 220-1002

CompTIA A+ 220-1002 is a one-Semester course that covers the objectives of the CompTIA A+ 220-1002 exam. This course begins by describing Windows operating systems. You will explain change management process. You will identify methods of disaster prevention and recovery. You identify security threats and describe various prevention methods. You will explain remote access methods. You will describe how to troubleshoot operating systems, security problems, and mobile application problems.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** A

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### HiSet/GED Prep (formerly GED)

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. HiSET® Preparation - Language Arts - Reading Part 1; HiSET® Preparation - Language Arts - Writing Part 1; HiSET® Preparation - Language Arts - Writing Part 2; HiSET® Preparation - Mathematics Part 1; HiSET® Preparation - Mathematics Part 2; HiSET® Preparation - Science Part 1; HiSET® Preparation - Science Part 2; HiSET® Preparation - Social Studies Part 1; HiSET® Preparation - Social Studies Part 2; HiSET® Preparation - Language Arts - Reading Part 2.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### HiSET/GED Preparation: Science, Part 1 v2

The HiSET Preparation Courses were developed by aligning Plato Courseware with the strands and topics that are assessed on the HiSET Test. Each unit aligns to one or more strands within the HiSET Test and the modules within each unit target the essential concepts of the Next Generation Science Standards as assessed on the HiSET Test for Science. This course focuses on the subject areas of Life Science and Earth and Space Science. In this course, you will find a variety of lessons and activities to improve your knowledge of these concepts.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### HiSET/GED Preparation: Science, Part 2 v2

The HiSET Preparation Courses were developed by aligning Plato Courseware with the strands and topics that are assessed on the HiSET Test.

### HiSET Preparation: Science, Part 2 v2 Continued

Each unit aligns to one or more strands within the HiSET Test and the modules within each unit target the essential concepts of the Next Generation Science Standards as assessed on the HiSET Test for Science. This course focuses on the key concepts of Physical Science. This course also provides an understanding of the scientific reasoning skills needed for performing scientific inquiry and experiments.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### HiSET/GED Preparation: Social Studies Part 1 v2

The HiSET Preparation Courses were developed by aligning Plato Courseware with the strands and topics that are assessed on the HiSET Test. Each unit aligns to one or more strands within the HiSET Test and the modules within each unit target the essential concepts on the HiSET Test for Social Studies. This course focuses on important events in US history and world history. In this course, you will find a variety of lessons and activities to improve your knowledge and skills in these areas.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### HiSET Preparation: Social Studies Part 2 v2

The HiSET Preparation Courses were developed by aligning Plato Courseware with the strands and topics that are assessed on the HiSET Test. Each unit aligns to one or more strands within the HiSET Test and the modules within each unit target the essential concepts on the HiSET Test for Social Studies. This course focuses on functions of US democracy and key concepts of civics, geography, and economics. In this course, you will find a variety of lessons and activities to improve your knowledge and skills in these areas.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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### SAT Language Arts, Math and Reading

The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our one-Semester course prepares students to take the test by learning the content ideas they will be tested on.

**Grade Level:** 9 - 12

**Classification:** Test Prep

**Semester Options:** NA

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## Advanced Placement

### Advanced Biology

Advanced Biology – Course Overview Biology is presented as one form of scientific inquiry, the process of channeling human curiosity into purposeful exploration, discovery, and exploration of observable natural phenomena. Biology is the study of life, but it is most important as a shared method of asking questions all humans have about life and living things, and communicating responses to the questions in clear and understandable forms. In this blended online course (employing both online and face-to-face learning), students will be taught and encouraged to continually pose questions about the subject matter. Through exploration and discovery of the phenomenon at the core of each lesson, students will be guided to answer their own questions and be able to discuss the phenomenon in ways that reflect sound scientific practices. Biology is presented as a living process, one that carries a body of current understandings and a method of building on those understandings to either deepen them or replace them with better explanations. In particular, we will explore these eight themes identified as the focus for AP-level Biology instruction: Science as a Process; Evolution; Energy Transfer; Continuity and Change; Relationship of Structure to Function; Regulation; Interdependence in Nature; Science, Technology, and Society.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** A/B

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### AP Calculus A/B

Calculus is the mathematics of change. It is used to solve complex problems that are continuously evolving and would otherwise be unsolvable with only algebra and geometry. This online advanced placement course is designed to prepare students to become deep mathematical thinkers. You will explore the calculus concepts of limits, differentiation, and integration and apply those concepts in meaningful ways. The course is split into two Semesters. The first Semester focuses on the concepts of functions, limits, and differentiation and their applications. The second Semester builds off the first Semester to focus on integrations. It will cover topics such as the definite and indefinite integral and their applications, inverse function, and techniques for integrating. Course Goals By the end of the course the student will be able to:

- Work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal, and understand the connections among these representations.
- Understand the meaning of the derivative in terms of a rate of change and local linear approximation and use derivatives to solve a variety of problems.
- Understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change and use integrals to solve a variety of problems.
- Understand the relationship between the derivative and the definite integral as expressed in both parts of the fundamental theorem of calculus.
- Communicate mathematics both orally and in well-written sentences and explain solutions to problems.
- Model a written description of a physical situation with a function, a differential equation, or an integral.
- Use technology to help solve problems, experiment, interpret results, and verify conclusions.
- Determine the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.
- Develop an appreciation of calculus as a coherent body of knowledge and as a human accomplishment.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** A/B

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## NOTES

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## AP Chemistry A/B

The Advanced Chemistry course is designed around the AP Chemistry Curriculum Framework established by the College Board. The course is presented through the lens of scientific inquiry—the process of channeling human curiosity into purposeful exploration, discovery, and application of observable natural phenomena. In this course, students will grow to understand their physical world in a deep way. At the same time, an inquiry and STEM-oriented approach to chemistry offers students a shared method of asking questions about the world around them. Their experience and knowledge from this course—tied to a strong emphasis on qualitative and quantitative analysis and communication—is designed to enable them to understand important scientific and societal problems and to creatively grapple with such problems. In this blended online course (employing both online and face-to-face learning), students will be taught and encouraged to continually pose questions about the subject matter. Through exploration and discovery of the phenomenon at the core of each lesson, students will be guided to answer their own questions and will be able to discuss the phenomenon in ways that reflect sound scientific practices. In particular, students will explore the six content areas that have been identified as the focus of the AP Chemistry course: Atoms and Elements—composition of matter, conservation of matter, atomic structure, spectroscopy, periodicity, and Coulomb’s Law Properties of Matter—states of matter, physical properties, gas behavior, kinetic molecular theory, solutions, intermolecular and intramolecular interactions, the Lewis structure model, and the VSEPR model Chemical Reactions—chemical equations, types of chemical reactions, endoand exothermicity, and electrochemistry Kinetics—rate laws, reaction mechanisms, activation energy, and factors affecting reaction rates Thermodynamics—energy transfer, conservation of energy, enthalpy, calorimetry, potential energy and geometric arrangement of atoms, and entropy Equilibrium—reversible reactions, reaction quotients, Le Chatelier’s principle, acid-base chemistry, solubility, and Gibbs free energy.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** A/B

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## AP Computer Science A

This one-Semester course is intended to introduce you to the concepts of computer programming. This course has 20 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. In Advanced Computer Science A, you will describe the basic concepts of computer programming. You will compile and run a simple Java program. You will use arithmetic, relational, and logical operators. You will implement algorithms, and use different types of loop and decision-making statements. You will create and use classes. You will create and manipulate one-dimensional and two-dimensional arrays. You will perform sequential search, binary search, selection sort, and insertion sort on an array. You will explain and implement object-oriented programming design. You will implement inheritance, polymorphism, and abstraction. Further, you will describe privacy and legality in the context of computing. Your teacher will grade your work on the Unit Activities, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit, respectively; and an end-of-Semester test. All of these tests are a combination of simple multiple-choice questions and technology-enhanced (TE) questions.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 1 Semester

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# AP English Language and Composition

In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam. AP English Language and Composition is recommended for 11th and 12th grade students. This course fulfills 11th grade requirements. Consequently, we recommend that students take only one of the following courses: English 11, Texas English III, and AP English Language and Composition. This course has been authorized by the College Board® to use the AP designation.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 2 Semesters

**BACK**

# AP English Literature and Composition A/B

This two-Semester;online course is designed to teach learners to become skilled readers and writers through the study, analysis, and evaluation of literature. The course will teach learners how to perform close readings of literature, as well as develop and strengthen their writing skills. Advanced English Literature & Composition follows the curricular requirements described in the AP English Course Description. Each unit of the course will address some aspect of writing and will provide representative samples of literary works. In some units, the learner will engage in greater in-depth analysis of a literary work, as the focus of the Advanced English Literature & Composition course is to provide both breadth and depth of coverage in the readings. Learners will deepen their understanding of the ways authors use language to bring meaning and entertainment to their readers. Learners will also consider the structure of a work as well as its themes and literary devices. Readings in this course will be active and extensive. The types of writing in the course are varied and include writing arguments, analysis, interpretations, evaluations, and even college application essays/letters. Writing is an essential part of this course, and the writing instruction will include elements of style as well as elements of precision and correctness. The writing students do in this course will reinforce and support the learner's reading.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** A/B

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# NOTES

## Advanced Placement

### AP Environmental Science

AP® Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering. The AP Environmental Science course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, deconstruct claims, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity. Students perform hands-on labs and projects that give them insight into the nature of science and help them understand environmental concepts, as well as how evidence can be obtained to support those concepts. Virtual lab activities enable students to engage in investigations that would otherwise require long periods of observation at remote locations and to explore simulations that enable environmental scientists to test predictions. During both hands-on and virtual labs, students form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. Throughout this course, students are given an opportunity to understand how biology, earth science, and physical science are applied to the study of the environment and how technology and engineering are contributing solutions for studying and creating a sustainable biosphere. Summative tests are offered at the end of each unit as well as at the end of each Semester and contain objective and constructed response items. Robust scaffolding, rigorous instruction, relevant material, and regular active learning opportunities ensure that students can achieve mastery of the skills necessary to excel on the AP exam.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 2 Semesters

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### AP Macroeconomics

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 1 Semester

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## Advanced Placement

### AP Microeconomics

AP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP exam and for further study in business, history, and political science.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 1 Semester

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### AP Psychology

AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology prepares students for the AP exam and for further studies in psychology or life sciences.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 1 Semester

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### AP Spanish Language and Culture

AP Spanish Language and Culture students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they learn in extensive written and spoken exercises. The course addresses the broad themes of Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. By the end of the course, students will have an expansive vocabulary, a solid, working knowledge of all verb forms and tenses, strong command of other language structures, and an ability to use language in many different contexts and for varied purposes. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, or literature. This course has been authorized by the College Board® to use the AP designation.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 2 Semesters

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### AP Statistics

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business. This course has been authorized by the College Board to use the AP designation.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 2 Semesters

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## NOTES

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## Advanced Placement

### AP U.S. Government and Politics

AP U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history.

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** 1 Semester

[BACK](#)

### AP US History A/B

This online course is designed to provide learners with the opportunity to think critically and to gain factual knowledge about US history. Students will learn to analyze and critique historical materials and evaluate historical interpretations presented in research. This course will help learners acquire the necessary skills to come to conclusions based on informed judgments and provide sound reasoning and evidence for those judgments. Each of the units in the course provides students with a survey of US history topics in which they analyze problems and themes for each era through supplementary readings while developing and deepening their understanding of the events, people, and places that were relevant during the time period. Students will also learn to assess primary and secondary sources. This course is meant to have students think conceptually about the issues facing the United States and how those issues have influenced our history, rather than just memorizing facts and dates. Students will write often in this course in the form of both short answers and essays. These writings will require students to think critically and thoughtfully on different topics and on different interpretations of history. Students will encounter frequent prompts to analyze and interpret a wide variety of original source documents. In addition, students are asked to read the works of historians, to answer questions about how those historians present events, and to compare and analyze how the historians' approach affects readers' perceptions of the events and people involved (see especially "Nixon's 'Imperial' Presidency" in unit 7, semester B).

**Grade Level:** 9 - 12

**Classification:** Advanced Placement

**Semester Options:** A/B

[BACK](#)



“Shortly after becoming a student at Greenway’s, he came to me and thanked me for listening to him and allowing him to take this unconventional approach to School.”

— June N, Mother

## Honors Level

### Honors Algebra I

Honors Algebra I builds a deep understanding of linear, quadratic, and exponential relationships. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include an introduction to functions and problem solving, measurement; problem solving with basic equations and formulas, linear equations and systems of linear equations, exponents and exponential functions, sequences and functions, descriptive statistics, polynomials and factoring, quadratic equations and functions, and function transformations and inverses. This course supports students as they develop computational fluency, build conceptual understanding, and apply mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. In these activities, additional items require Honors students to extend their understanding by answering “what if” questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the answering “what if” questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the model as a reflection of the real-world situation. Performance tasks prepare students to synthesize their knowledge in novel, realworld scenarios and require that they make sense of multifaceted problems and persevere in solving them. Honors students are required to go deeper into these investigations; for example, they may be asked to change or validate assumptions, add constraints, or extend the project. Journal activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Throughout the course, students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of high-stakes assessments.

**Grade Level:** 9 - 12  
**Classification:** Honors  
**Semester Options:** A/B

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### Honors Algebra II

Honors Algebra II introduces students to advanced functions, with a focus on developing a strong conceptual grasp of the expressions that define them. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include quadratic equations, polynomial functions, rational expressions and equations, radical expressions and equations, exponential and logarithmic functions, trigonometric identities and functions, modeling with functions, probability and inferential statistics, probability distributions, and sample distributions and confidence intervals. This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. In these activities, additional items require Honors students to extend their understanding by answering “what if” questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the model as a reflection of the real-world situation. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Honors students are required to go deeper into these investigations; for example, they may be asked to change or validate assumptions, add constraints, or extend the project. Journal activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Throughout the course, students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the high-stakes assessments.

**Grade Level:** 9 - 12  
**Classification:** Honors  
**Semester Options:** A/B

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## Honors Level

## Honors Biology

Biology is an in-depth course that furthers mastery of scientific skills, fosters a deep understanding of key concepts, and promotes the application of the scientific method to biological topics. The course begins with an introduction to the nature of science and biology, including the major themes of structure and function, matter and energy flow, systems, and the interconnectedness of life. Students then apply those themes to the structure and function of the cell, cellular metabolism, and biogeochemical cycles. Building on this foundation, students explore the connections and interactions between living things by studying genetics, ecosystems and natural selection, and evolution. The course ends with an applied look at human biology. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science. Biology students are frequently asked to respond to scientific problems and issues via written assignments. Exploration activities challenge Honors students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research. Finally, Project and Checkup activities allow Honors students to use scientific process skills to delve deeper into topics.

**Grade Level:** 9 - 12**Classification:** Honors**Semester Options:** A/B

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## Honors Chemistry

Chemistry offers a curriculum that emphasizes students' understanding of fundamental chemistry concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology. The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, the importance of chemistry to society, atomic structure, bonding in matter, chemical reactions, redox reactions, electrochemistry, phases of matter, equilibrium and kinetics, acids and bases, thermodynamics, quantum mechanics, nuclear reactions, organic chemistry, and alternative energy. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science. Throughout this course, students are given opportunities to understand how chemistry concepts are applied in technology and engineering. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing skills. Exploration activities challenge Honors students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research. Finally, Project activities allow Honors students to use scientific process skills to delve deeper into topics.

**Grade Level:** 9 - 12**Classification:** Honors**Semester Options:** A/B

BACK

## Honors Earth Science

Earth Science Honors offers a focused curriculum that explores Earth's composition, structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space. Course topics include an exploration of the major cycles that affect every aspect of life, including weather, climate, air movement, tectonics, volcanic eruptions, rocks, minerals, geologic history, Earth's environment, sustainability, and energy resources. Optional teacher-scored labs and projects encourage students to apply the scientific method. Other activities, such as practices and journals, challenge students to explore topics more deeply in order to enhance students' understanding of core concepts. This course is built to state standards and informed by the National Science Teachers Association (NSTA).

**Grade Level:** 9 - 12**Classification:** Honors**Semester Options:** A/B

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**Honors Level****Honors English 9**

English 9 Honors is an overview of exemplar selections of literature in fiction and nonfiction genres. Students read short stories, poems, a full-length novel, a full-length Shakespeare play, and two book-length outside readings of their choice. For all readings, students analyze the use of elements of literature in developing character, plot, and theme. For example, in selected stories, students compare the effect of setting on tone and character development. In the poetry unit, students analyze how artists and writers draw from and interpret source material. Each unit includes informational texts inviting students to consider the historical, social, and literary context of the main texts they study. For example, in the first semester, a Nikolai Gogol story that is offered as an exemplar of magical realism is accompanied by instruction on that genre. Together, the lesson content and reading prompt students to demonstrate their understanding of magical realism by analyzing its qualities in a literary text. Throughout the course, students respond to others' claims and support their own claims in essays, discussions, and presentations, consistently using thorough textual evidence. Opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing. Finally, the range of texts includes canonical authors such as William Shakespeare, Franz Kafka, and Elie Wiesel, as well as writers from diverse backgrounds, such as Alice Walker, Li-Young Lee, and Robert Lake-Thom (Medicine Grizzly Bear).

**Grade Level:** 9**Classification:** Honors**Semester Options:** A/B**BACK****Honors English 10**

The focus of English 10 Honors is the writing process. Three forms of writing guide the curriculum: persuasive, expository, and narrative writing. A typical lesson culminates in a written assignment that lets students demonstrate their developing skill in one of these forms. English 10 Honors includes at least one anchor text per lesson focused on a thematic core of the capacity of language to influence others. Readings include poems, stories, speeches, plays, and a graphic novel, as well as a variety of informational texts, and these texts are often presented as models for students to emulate as they practice their own writing. The readings represent a wide variety of purposes and cultural perspectives, ranging from the Indian epic The Ramayana to accounts of Hurricane Katrina told through different media.

**Honors English 10 Continued**

Audio and video presentations enhance students' awareness and command of rhetorical techniques and increase their understanding of writing for different audiences. English 10 Honors provides opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, all of which challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing.

**Grade Level:** 10**Classification:** Honors**Semester Options:** A/B**BACK****Honors English 11**

In English 11 Honors, students examine the belief systems, events, and literature that have shaped the United States. They begin by studying the language of independence and the system of government developed by Thomas Jefferson and other enlightened thinkers. Next, they explore how the Romantics and Transcendentalists emphasized the power and responsibility of the individual in both supporting and questioning the government. Students consider whether the American Dream is still achievable and examine the Modernists' disillusionment with the idea that America is a "land of opportunity." Reading the words of Frederick Douglass and the text of the Civil Rights Act of 1964, students look carefully at the experience of African Americans and their struggle to achieve equal rights. In addition, students explore how an individual copes with the influence of war and cultural tension while trying to build and secure a personal identity. Finally, students examine how technology affects our contemporary experience of freedom: Will we eventually change our beliefs about what it means to be an independent human being? In this course, students analyze a wide range of literature, both fiction and nonfiction. They build writing skills by preparing analytical and persuasive essays, personal narratives, and research papers. Opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing. Finally, in order to develop speaking and listening skills, students participate in discussions and prepare speeches. Overall, students gain an understanding of the way American literature represents the array of voices contributing to our multicultural identity.

**Grade Level:** 11**Classification:** Honors**Semester Options:** A/B**BACK**

## Honors Level

### Honors English 12

English 12 Honors asks students to closely analyze British and world literature and to consider how humans define and interact with the unknown, the monstrous, and the heroic. In the epic poems *The Odyssey*, *Beowulf*, and *The Inferno*, in Shakespeare's *The Tempest*, in the satire of Swift, and in the rhetoric of World War II, students examine how the ideas of "heroic" and "monstrous" have been defined across cultures and time periods and how the treatment of the "other" can make monsters or heroes of us all. Reading *Frankenstein* and works from the people who experienced the imperialism of the British Empire, students explore the notion of inner monstrosity and consider how a dominant culture can be seen as monstrous in its ostensibly heroic goal of enlightening the world. Throughout this course, students analyze a wide range of literature, both fiction and nonfiction. They build writing skills by preparing analytical and persuasive essays, personal narratives, and research papers. Opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing. Finally, in order to develop speaking and listening skills, students participate in discussions and prepare speeches. Overall, students gain an understanding of the way British and world literature represent the array of voices that contribute to our global identity.

**Grade Level:** 12  
**Classification:** Honors  
**Semester Options:** A/B

[BACK](#)

### Honors Geography and World Cultures

Geography and World Cultures is a robust, one-semester course that explores how geographic features, human relationships, political and social structures, economics, science and technology, and the arts have developed and influenced life in countries around the world. Along the way, students are given rigorous instruction on how to read maps, charts, and graphs, and how to create them. At the intersection of culture and geography, students learn about art, science, individuals and communities, and history and current events. Students discover how a mountain in the distance can inspire a Sufi poet, how a river blocking a passage occupies a civil engineer and a ship builder alike, and how the sound of a busy Cairo street inspires a musician. Human history is all about cultures meeting

### Honors Geography and World Cultures Continued

— how they influence and inspire each other; what sets one apart from the next; and how they battle each other for land, natural resources, religious dominance, and more. Geography and World Cultures is designed as the first course in the social studies sequence. It develops note-taking skills, teaches analytic writing, and introduces students to the close examination of primary documents.

**Grade Level:** 9-12  
**Classification:** Honors  
**Semester Options:** A/B

[BACK](#)

### Honors Geometry

Honors Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability. This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. In these activities, additional items require Honors students to extend their understanding by answering "what if" questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the model as a reflection of the real-world situation. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Honors students are required to go deeper into these investigations; for example, they may be asked to change or validate assumptions, add constraints, or extend the project. Journal activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Throughout the course, students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the high-stakes assessments.

**Grade Level:** 9 - 12  
**Classification:** Honors  
**Semester Options:** A/B

[BACK](#)

**Honors Level****Honors Physics**

Physics offers a curriculum that emphasizes students' understanding of fundamental physics concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology. The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, math for physics, energy, kinematics, force and motion, momentum, gravitation, chemistry for physics, thermodynamics, electricity, magnetism, waves, nuclear physics, quantum physics, and cosmology. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science. Throughout this course, students are given opportunities to understand how physics concepts are applied in technology and engineering. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing skills. Exploration activities challenge Honors students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research. Finally, Project activities allow Honors students to use scientific process skills to delve deeper into topics.

**Grade Level:** 9 - 12  
**Classification:** Honors  
**Semester Options:** A/B

[BACK](#)**Honors Precalculus**

Precalculus is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Within each Precalculus lesson, students are supplied with a post-study Checkup activity that provides them the opportunity to hone their computational skills in a low-stakes problem set before moving on to formal assessment. Additionally, connections are made throughout the Precalculus course to calculus, art, history, and a variety of other fields related to mathematics.

**Grade Level:** 9 - 12  
**Classification:** Honors  
**Semester Options:** A/B

[BACK](#)**Honors U.S. Government and Politics**

In U.S. Government and Politics Honors, students examine the history, principles, and function of the political system established by the U.S. Constitution. Starting with a basic introduction to the role of government in society and the philosophies at the heart of American democracy, this course provides students with the knowledge needed to be informed and empowered participants in the U.S. political system. Through critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to conduct research, analyze sources, make arguments, and take informed action. In written assignments, students address critical questions about U.S. politics and the role of individual Americans in politics and political organizations. In discussion activities, students respond to political opinions, take a position, and defend their own claims. Formative and summative assessments provide students — and teachers — with ample opportunities to check in, review, and evaluate students' progress in the course. For Honors students, the course culminates with a multipart independent research project focused on a topic of their choice.

**Grade Level:** 9 - 12  
**Classification:** Honors  
**Semester Options:** A/B

[BACK](#)

## Honors Level

## Honors U.S. History

U.S. History Honors traces the nation's history from the pre-colonial period to the present. Students learn about the Native American, European, and African peoples who lived in North America before a large part of it became the United States. They examine the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system. Students investigate the economic, cultural, and social motives for the nation's expansion, as well as the conflicting notions of liberty that eventually resulted in a civil war. The course describes the emergence of the United States as an industrial nation and then focuses on its role in modern world affairs. Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other nations while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups. The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide students step-by-step through problem-solving activities. Honors students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays, two independent research projects, and shorter exercises such as document-based questions and analytic discussions.

**Grade Level:** 9 - 12**Classification:** Honors**Semester Options:** A/B[BACK](#)

## Honors US History Since the Civil War

This course traces the nation's history from the end of the Civil War to the present. It describes the emergence of the United States as an industrial nation, highlighting social policy as well as its role in modern world affairs. Students evaluate the attempts to bind the nation together during Reconstruction while also exploring the growth of an industrial economy. Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other world players while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups. The course emphasizes the development of historical analysis skills such as comparing and contrasting,

## Honors US History Since the Civil War (Cont.)

differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide learners step-by-step through problem-solving activities. Students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays and in shorter exercises such as document-based questions and analytic discussions.

**Grade Level:** 9 - 12**Classification:** Honors**Semester Options:** A/B[BACK](#)

## Honors US History to the Civil War

This course traces the nation's history from the pre-colonial period to the end of the American Civil War. It emphasizes the colonial period and the creation of a new nation and examines the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system. Students first explore the earliest points of contact between individuals from Europe, Africa, and North America. They then probe the economic, cultural, and social motives for the nation's expansion, as well as the conflicting notions of liberty that eventually resulted in the Civil War. Woven throughout this narrative history is a strong focus on the changing conditions of women, African Americans, and other minority groups. The ways in which Americans lived, ate, dressed, and interacted are also highlighted. The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide learners step-by-step through problem-solving activities. Students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays and in shorter exercises such as document-based questions and analytic discussions.

**Grade Level:** 9 - 12**Classification:** Honors**Semester Options:** A/B[BACK](#)



## Honors Level

# Honors World History

In World History Honors, students learn to see the world to-day as the product of a process that began thousands of years ago, when humans became a speaking, traveling, and trading species. Through historical analysis grounded in primary sources, case studies, and research, students investigate the continuity and change of human culture, governments, economic systems, and social structures. ;Students build and practice historical thinking skills, learning to connect specific people, places, events, and ideas to the larger trends of world history. In critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to reason chronologically, interpret and synthesize sources, identify connections between ideas, and develop well-supported historical arguments. ;Students write throughout the course, responding to primary sources and historical narratives through journal entries, essays, and visual presentations of social studies content. In discussion activities, students respond to the positions of others while staking and defending their own claims. Honors students also complete two independent research projects focused on historical periods of their choosing.

**Grade Level:** 9 - 12

**Classification:** Honors

**Semester Options:** A/B

**BACK**

# Honors World History to the Renaissance

World History to the Renaissance traces the development of civilizations around the world from prehistory to the Renaissance. The course covers major themes in world history, including the development and influence of human-geographic relationships, political and social structures, economic systems, major religions and belief systems, science and technology, and the arts. Topics covered in this course include the birth of civilizations; the classical civilizations of India, China, Greece, and Rome; the rise of new empires such as the Byzantine; and an examination of civilizations in Africa and North and South America. From there, students will journey to the Middle Ages and into the Renaissance. Primary source documents, which appear frequently, encourage students to make connections to evidence from the past. Students master historical research and writing techniques and develop confidence in their analytic writing through a sequence of five-paragraph essays and analytic pieces, including document-based questions. Additionally, in a series of web explorations, students use carefully selected Internet resources to gather information for creative writing assignments.

**Grade Level:** 9 - 12

**Classification:** Honors

**Semester Options:** A/B

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## NOTES

## World Language

### American Sign Language (ASL) I (Full Year Course)

The predominant sign language of Deaf communities in the United States, American Sign Language, is complex and robust, consisting of signs made with the hands, facial expressions, and body postures. American Sign Language 1a: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture. American Sign Language 2a: Communicating: Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies. American Sign Language 2b: Advancing Communication Skills: Building upon the prior prerequisite course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.

**Grade Level:** 9 - 12  
**Classification:** World Language  
**Semester Options:** A/B

[BACK](#)

### American Sign Language (ASL) II (Full Year Course)

The predominant sign language of Deaf communities in the United States, American Sign Language, is complex and robust, consisting of signs made with the hands, facial expressions, and body postures. American Sign Language 1a: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture. American Sign Language 2a: Communicating: Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies. American Sign Language 2b: Advancing Communication Skills: Building upon the prior prerequisite course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.

**Grade Level:** 9 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## NOTES

## World Language

### American Sign Language (ASL) III (Full Year Course)

American Sign Language 3a - Community & Culture: As you dive into more advanced ASL signing, including unique grammar features and advanced classifiers and locatives, you'll learn, compose, and present your new-found vocabulary and narratives by immersing yourself in Deaf culture and community. From opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. Explore how travel, cultural differences, and geography affect sign language. And gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature. American Sign Language 3b - Conversations & Culture: Are you ready to discover ways in which Deaf culture influences the world in general? After all, the concept of culture goes far beyond an understanding of Deaf history. Through discussing Deaf culture and experiences, you'll advance your signing skills by developing verb tenses, grammar, and syntax. Apply your language skills in real conversations activities and through opportunities to debate real issues. It's also time to explore the next steps in education and career opportunities for your new intermediate ASL skills.

**Grade Level:** 9 - 12

**Classification:** World Language

**Semester Options:** A/B

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### Arabic I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 3 - 12

**Classification:** World Language

**Semester Options:** A/B

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### Chinese (Mandarin) I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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### Dutch I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk; everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 3 - 12

**Classification:** World Language

**Semester Options:** A/B

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## English (American) I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 3 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## English (British) I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 3 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## Filipino (Tagalog) I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 3 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## French I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## French 1A/1B (Plato)

In French 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In French 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You'll also describe various art forms, plays, concerts, and movies. You'll discuss about health and well-being, and travel and tourism. You'll build on what you learned in the French 1A course to communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**Grade Level:** 6 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## French 2A/2B (Plato)

In French 2A, you'll be reintroduced to French in common situations, beginning with describing classes, school friends, teachers, and school supplies. You'll discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. You'll also describe daily personal routines and schedules, household chores and family responsibilities. Finally, you'll discuss different types of cuisine, dining establishments and dining etiquette. You'll build on what you learned in the French 1B course to communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In French 2B, you'll be reintroduced to French in common situations, beginning with various professions and career plans for the future. You'll discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. You'll also describe different hobbies, activities, and crafts that people enjoy. Finally, you'll discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. You'll build on what you learned in the French 2A course to communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the Frenchspeaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**Grade Level:** 6 - 12  
**Classification:** World Language  
**Semester Options:** A/B

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## NOTES

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## German I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## German 1A/1B (Plato)

In German 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In German 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, foods, clothes, and activities. You'll also describe various art forms, plays, concerts, and movies. You'll discuss about health and well-being, and travel and tourism. You'll build on what you learned in the German 1A course to communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## German 2A/2B (Plato)

In German 2A, you'll be reintroduced to German in common situations, beginning with describing classes, school friends, teachers, and school supplies. You'll discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. You'll also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, you'll discuss different types of cuisine, dining establishments, and dining etiquette. You'll build on what you learned in the German 1B course to communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In German 2B, you'll be reintroduced to German in common situations, beginning with various professions and career plans for the future. You'll discuss traveling to various regions and the flora and fauna found in each region and describe types of trips, including road trips, camping, and ecotourism. You'll also describe hobbies, activities, and crafts that people enjoy. Finally, you'll discuss medical specialists, including dentists and veterinarians, and symptoms related to illness and injury. You'll build on what you learned in the German 2A course to communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Greek I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Hebrew I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&As, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Hindi I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&As, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Irish I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&As, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Italian I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&As, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Japanese I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Korean I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Latin I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Portuguese (Brazil) I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Persian (Farsi) I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Russian I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Polish I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Spanish (Latin America) I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&As, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Spanish (Spain) I, II, III, IV, V

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&As, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more. Clarity: LEVEL FOUR: 151–200 hours. Expand your ability to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, current events, and more. Conversation: LEVEL FIVE: 201–250 hours. Discuss entertainment, culture, government, and the marketplace. Level Five is the place to refine and perfect your conversational skills.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Spanish 1A/1B (Plato)

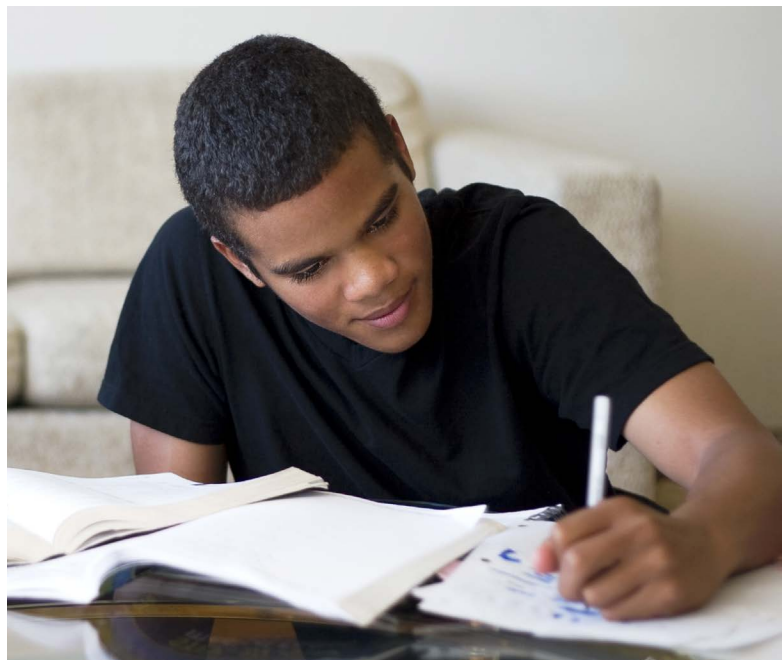
In Spanish 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll learn to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In Spanish 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You'll also describe various art forms, plays, concerts, and movies. You'll discuss health and well-being and travel and tourism. You'll build on what you learned in the Spanish 1A course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Spanish 2A/2B (Plato)

In Spanish 2A, you'll be reintroduced to Spanish in common situations, beginning with describing classes, school friends, teachers, and school supplies. You'll discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. You'll also describe daily personal routines and schedules, household chores and family responsibilities. Finally, you'll discuss different types of cuisine, dining establishments, and dining etiquette. You'll build on what you learned in Spanish 1B to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In Spanish 2B, you'll be reintroduced to Spanish in common situations, beginning with various professions and career plans for the future. You'll discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. You'll also describe different hobbies, activities, and crafts that people enjoy. Finally, you'll discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. You'll build on what you learned in the Spanish 2A course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this Semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Spanish 3A/3B (Plato)

In Spanish 3A, you'll be reintroduced to Spanish in common situations, beginning with various daily routines, describing friends and family, childhood memories and activities, and childhood hopes and aspirations. You'll discuss and describe art, such as paintings and sculptures, and literature, such as novels and novellas, and give reactions and form opinions about art and literature. You'll also understand the process of selecting and applying to a university, aspirations at the university, and dealing with leaving home and moving into a dormitory. Further, you will describe university life and expectations from the university experience. You'll explore the dynamics and challenges of multiethnic and developing societies, environmental and social issues, causes and possible resolutions, and learning about unfamiliar countries using technology.

## Spanish 3A/3B (Plato) Cont.

Finally, you'll discuss current events reported in the media, different types of classified and other types of advertisement in the media (both print and online), the sections and supplements of a newspaper or magazine, and various jobs available in the media. In Spanish 3B, you'll be reintroduced to Spanish in a variety of situations, beginning with multiculturalism, bilingualism, cultural influences on traditions, customs, food, and social experiences, and legends and folklore from different cultures. You'll discuss and describe genres of music, poetry, drama, and short stories, and proverbs from different cultures. You'll also explore how geographical features affect the weather, and how the geography and weather affect the clothing, food, and livelihoods of the local population. You'll also understand the history of Venezuela and how the Spanish conquerors and indigenous people shaped the culture of the country, and you'll learn about the South American independence movement, including some significant freedom fighters and their struggles to win independence. You will also discuss religions practiced in Argentina, the cultural icons of the country and how they compare to cultural icons from other countries, sports and activities in Argentina, some national symbols, such as the gauchos, and idioms and sayings from Argentina. Finally, you'll discuss types of wildlife and natural and agricultural resources found in Costa Rica, the human resources of the country that help overcome economic and natural disasters, and how to write formal and informal letters to share experiences.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Swedish I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes; greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Turkish I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Vietnamese I, II, III

Requires USB headset with microphone. Fundamentals: LEVEL ONE: 0–50 hours. Gain confidence by mastering basic conversational skills. This includes greetings, introductions, simple Q&A's, and much more. Connection: LEVEL TWO: 51–100 hours. Learn to navigate your environment and handle basic interactions. This includes giving (and getting) directions, using transportation, telling time, eating out, and more. Exploration: LEVEL THREE: 101–150 hours. Learn to share your ideas and opinions, express feelings, and talk everyday life. This includes your interests, profession, current events, and more.

**Grade Level:** 6 - 12

**Classification:** World Language

**Semester Options:** A/B

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## Elementary Spanish Level Introductory Level

Elementary Spanish is an exploratory introduction to the Spanish culture and language. Students will learn the target language in a story-based framework, providing a fun and positive experience within the learning. Each lesson is taught through an engaging, authentic story that gives students an opportunity to see and hear the language in context. Students will learn foundational skills in listening and speaking in the early levels, and will add Spanish literacy skills beginning in Level 2. The courses provide audio and visual stimuli for all learning types and ample opportunities to hear, speak, read, write, and record the language. This suite also provides strategically-based reviews of past learning. Each course is built on connections to an authentic culture of a specific Spanish-speaking region through the arts, celebrations, and traditions of the culture, leading students on the path to becoming global citizens. Courses provide a natural progression of learning through the following language acquisition stages: o Preproduction o Early Production o Speech emergence o Intermediate fluency. This suite of Elementary Spanish courses is based on proficiency level rather than grade level.

## Elementary Spanish Level Introductory Level (Cont.)

The majority of students (even those that speak Spanish at home) find it is most beneficial in the student learning process to begin at the introductory level to ensure a smooth transition of content. Each level of Spanish builds on the previous level and is set in a new and exciting Spanish speaking country.

**Grade Level:** NA

**Classification:** World Language

**Semester Options:** A/B

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## Elementary Spanish Levels 1-5

Elementary Spanish is an exploratory introduction to the Spanish culture and language. Students will learn the target language in a story-based framework, providing a fun and positive experience within the learning. Each lesson is taught through an engaging, authentic story that gives students an opportunity to see and hear the language in context. Students will learn foundational skills in listening and speaking in the early levels, and will add Spanish literacy skills beginning in Level 2. The courses provide audio and visual stimuli for all learning types and ample opportunities to hear, speak, read, write, and record the language. This suite also provides strategically-based reviews of past learning. Each course is built on connections to an authentic culture of a specific Spanish-speaking region through the arts, celebrations, and traditions of the culture, leading students on the path to becoming global citizens. Courses provide a natural progression of learning through the following language acquisition stages: o Preproduction o Early Production o Speech emergence o Intermediate fluency. This suite of Elementary Spanish courses is based on proficiency level rather than grade level. The majority of students (even those that speak Spanish at home) find it is most beneficial in the student learning process to begin at the introductory level to ensure a smooth transition of content. Each level of Spanish builds on the previous level and is set in a new and exciting Spanish speaking country.

**Grade Level:** 1 - 5

**Classification:** World Language

**Semester Options:** A/B

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Greenways Academy offers a comprehensive curriculum, which provides a bridge for students that need a break from the traditional school setting, support for the home school students, or a high school diploma for students in search for an alternative high school option.

Greenways Academy is an accredited school that offers a high school diploma for successful completion of curriculum and required credits:

Category/Subject	Required Credits
English	4
Math	4
Science	4
Social Studies	4
Foreign Language	2+
Fine Arts	1+
Health/PE	1
Electives	Electives to total # of required credits: 24

**"I like working in the non-traditional setting of Greenways Academy, a place where we can have great conversations through which students can actively learn. It's pretty amazing to be a part of this family."**

**- Eli, Greenways Teacher**



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Not thriving in your current school?



**Contact us at:**

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