



# Course Catalog

## Indiana

### Math

#### Algebra 1 A/B

Algebra 1 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for Mathematics. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for students.

Practice questions are included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial.

The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills. This fresh new look and feel for the course was inspired by educator feedback.

Educators were also involved in the course at the design-level, as many unit activities, worksheets, and video scripts were written by current algebra classroom teachers. Algebra 1 v7.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

#### Algebra 2 A/B

This course advances students' ability to think algebraically, taking their earlier work with linear, exponential, and quadratic equations and expanding on it with polynomials and more advanced equation types. Students will work with rational, radical, logarithmic, inverse, and piecewise functions.

They will also extend their studies to include systems of equations and inequalities, trigonometry, complex numbers, and statistics. The course emphasizes using these algebraic concepts to solve problems and help people in many walks of life. The course employs many tools to teach students these concepts, including interactive graphing, videos that walk through problems, and many practice items.

#### Consumer Mathematics

This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.

#### 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.

#### Geometry A/B

A comprehensive examination of geometric concepts, each lesson provides thorough explanations and builds on prior lessons. Step-by-step instruction and multiple opportunities for self-check practice develop skills and confidence in students as they progress through the course. The course features animations, which allow students to manipulate angles or create shapes, such as triangles, engage students in learning and enhance mastery. Labs extend comprehension by giving students hand-on experiences.

#### Indiana Algebra I

PLATO Course Indiana Algebra I is a completely re-designed course that offers 100% alignment to the Indiana Academic Standards. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for students. One new feature to support student mastery is the addition of practice questions included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. Other features include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial. The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills. This fresh new look and feel for the course was inspired by educator feedback. Educators were also involved in the course at the design-level, as many unit activities, worksheets, and video scripts were written by current algebra classroom teachers. Indiana Algebra I reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

#### Integrated Math 1 A/B

These two semester-long courses are designed to enable all students at the high-school level to develop a deep understanding of the math objectives covered and leave them ready for their next steps in mathematics. The courses are built to the Common Core State Standards. The three units in Semester A advance students through the study of single-variable expressions to systems of equations, while Semester B covers functions, advanced functions, and concludes with a practical look at the uses of geometry and trigonometry.

# Course Catalog



## Integrated Math 2 A/B

Building on the concepts covered in Integrated Math 1, these courses are based on proven pedagogical principles and employ sound course design to effectively help students master rules of exponents and polynomials, advanced single-variable quadratic equations, independent and conditional probability, and more. Online and offline activities combine to create an engaging learning experience that prepares high school learners for their next step in their studies of mathematics.

## Integrated Math 3 A/B

Beginning with the simplification of rational and polynomial expressions, Semester A takes students through the next steps in mastering the principles of integrated math. These two semester-long courses focus on meeting Common Core objectives with engaging and interactive content. Semester B begins with the derivation of the trigonometric formula for the area of a triangle, and proceeds through the use of functions and on developing the critical thinking skills necessary to make logical and meaningful inferences from data.

## Math 6 A/B

This semester-long middle school course will provide students with a deep understanding and mastery of the objectives that will prepare them for algebra. It is aligned to Common Core State Standards, and is based on best practices in the teaching of mathematics and the disciplines of STEM learning. Students will develop 21st century skills as they master ratios and proportional relationships; the number system; and number visualization. The course is highly engaging while being easy for teachers to customize and manage.

## Math 7 A/B

Math 7 builds on material learned in earlier grades, including fractions, decimals, and percentages and introduces students to concepts they will continue to use throughout their study of mathematics. Among these are surface area, volume, and probability. Real-world applications facilitate understanding, and students are provided multiple opportunities to master these skills through practice problems within lessons, homework drills, and graded assignments.

## Math 8 A/B

This course is designed to enable all students at the middle school level to develop a deep understanding of math objectives and leaves students ready for algebra. The first semester covers objectives in transformations, linear equations, systems of equations, and functions. The second semester focuses on scientific notation, roots, the Pythagorean Theorem and volume, and statistics and probability. The course is based on the Common Core State Standards Initiative and on a modern understanding of student learning in mathematics.

## Precalculus A/B

Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

## Probability & Statistics

This course is designed for students in grades 11 and 12 who may not have attained a deep and integrated understanding of the topics in earlier grades. Students acquire a comprehensive understanding of how to represent and interpret data; how to relate data sets; independent and conditional probability; applying probability; making relevant inferences and conclusions; and how to use probability to make decisions.

## English Language Arts

### Business English A/B

Business English is designed to strengthen students' ability to read and write in the workplace. Writing for business purposes is a main focus of the course. Students will learn how to communicate effectively through email and instant messaging, as well as format specific types of business messages and workplace documents. The role of digital media, visuals, and graphics in workplace communication will be explored. The importance of professionalism, ethics, and other positive skills are also emphasized in the course. Additionally, guidance is provided to help students through the process of searching, applying, and interviewing for a job.

### English 06 A/B

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.

### English 07 A/B

English 7 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.



# Course Catalog

## English 08 A/B

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.

## English 09 A/B

English 9 v6.0 is a completely new course built for and 100% aligned to the Common Core State Standards for English Language Arts. A balance of fiction and nonfiction texts are used throughout the course, and each unit is designed around a thematic concept to provide cohesiveness to the skills-based lessons and activities that make up the unit.

The course intertwines the development of reading skills with the development of writing, speaking and listening, and language skills. Students can look forward to a course where the information is delivered in easy-to-digest chunks using student-friendly language, with assessments that are tightly aligned to the concepts and skills learned in the lesson.

The course design reflects educator feedback about student engagement by featuring a variety of interactions, videos, and new student resources, such as worksheets and guided notes.

Educators were also involved with writing activities and worksheets for this course. English 9 v6.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

## English 09 with Augmented Reality

English 9 with Augmented Reality v6.0 is a completely new course built for and 100% aligned to the Common Core State Standards for English Language Arts. A balance of fiction and nonfiction texts are used throughout the course, and each unit is designed around a thematic concept to provide cohesiveness to the skills-based lessons and activities that make up the unit. The course intertwines the development of reading skills with the development of writing, speaking and listening, and language skills. Students can look forward to a course where the information is delivered in easy-to-digest chunks using student-friendly language, with assessments that are tightly aligned to the concepts and skills learned in the lesson. The course design reflects educator feedback about student engagement by featuring a variety of interactions, videos, and new student resources, such as worksheets and guided notes. Educators were also involved with writing activities and worksheets for this course. English 9 with Augmented Reality v6.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design. This course also includes Augmented Reality activities in partnership with Boulevard Arts. The AR activities in this course are designed to immerse students in their English Language Arts learning while providing access to famous works of art for cross-curricular learning purposes.

## English 10 A/B

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.

## English 11 A/B

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.

## English 12 A/B

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.

## Indiana English 09

PLATO Course Indiana English 9 is a completely new course built for and 100% aligned to the Indiana Academic Standards. A balance of fiction and nonfiction texts are used throughout the course, and each unit is designed around a thematic concept to provide cohesiveness to the skills-based lessons and activities that make up the unit. The course intertwines the development of reading skills with the development of oral and written conventions, as well as writing, listening and speaking, and research skills. Students can look forward to a course where the information is delivered in easy-to-digest chunks using student-friendly language, with assessments that are tightly aligned to the concepts and skills learned in the lesson. The course design reflects educator feedback about student engagement by featuring a variety of interactions, videos, and new student resources, such as worksheets and guided notes. Educators were also involved with writing activities for this course. Indiana English 9 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

# Course Catalog



## Indiana English 09 with Augmented Reality

PLATO Course Indiana English 9 with Augmented Reality is a completely new course built for and 100% aligned to the Indiana Academic Standards. A balance of fiction and nonfiction texts are used throughout the course, and each unit is designed around a thematic concept to provide cohesiveness to the skills-based lessons and activities that make up the unit. The course intertwines the development of reading skills with the development of oral and written conventions, as well as writing, listening and speaking, and research skills. Students can look forward to a course where the information is delivered in easy-to-digest chunks using student-friendly language, with assessments that are tightly aligned to the concepts and skills learned in the lesson. The course design reflects educator feedback about student engagement by featuring a variety of interactions, videos, and new student resources, such as worksheets and guided notes. Educators were also involved with writing activities for this course. Indiana English 9 with Augmented Reality reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design. This course also includes Augmented Reality activities in partnership with Boulevard Arts. The AR activities in this course are designed to immerse students in their English Language Arts learning while providing access to famous works of art for cross-curricular learning purposes.

## Social Studies

### Civics A/B

Interactive, problem-centered, and inquiry-based, each unit in Civics emphasizes the acquisition, mastery, and processing of information. Every unit features both factual and conceptual study questions. Instructional strategies include Socratic instruction, student-centered learning, and experiential learning. Topics covered range from Basic Concepts of Power and Authority and National Institutions of Government to analyses of society and citizenship.

### Contemporary World A/B

The Contemporary World is a year-long course designed to strengthen learners' knowledge about the modern world. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.

### Economics

This 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.

### Middle School U.S. History A/B

In Middle School U.S. History, learners will explore historical American events with the help of innovative videos, timelines, and interactive maps and images. The course covers colonial America through the Reconstruction period. Learners will develop historical thinking and geography skills, which they will use throughout the course to heighten their understanding of the material. Specific topics of study include the U.S. Constitution, the administrations of George Washington and John Adams, the War of 1812, and the Civil War.

### Middle School World History A/B

In Middle School World History, learners will study major historical world events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. They will explore the development of early humans and early civilizations. They will be introduced to the origins of major world religions, such as Hinduism and Buddhism. Also, learners will study the medieval period. Historical thinking and geography skills will be taught and utilized throughout the course.

### U.S. Government

The interactive, problem-centered, and inquiry-based units in U.S. Government emphasize the acquisition, mastery, and processing of information. Semester A units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.

### U.S. History A/B

This course not only introduces students to early U.S. History, but it also provides them with an essential understanding of how to read, understand, and interpret history. For example, the first unit, The Historical Process, teaches reading and writing about history; gathering and interpreting historical sources; and analyzing historical information. While covering historical events from the founding events and principles of the United States through contemporary events, the course also promotes a cross-disciplinary understanding that promotes a holistic perspective of U.S. History.

# Course Catalog



## World Geography A/B

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to exploring it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

## World History A/B

In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance the Reformation, and major world revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.

## World History Survey A/B

In World History Survey, learners will study major historical events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. Topics of study include early civilizations, world religions, the Renaissance, the World Wars, and the globalized world of today.

## Science

### Biology A/B 🦋

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as a microscope, slides, or biological samples. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student [Edmentum Lab Kits](#) may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

### Biology with Virtual Labs A/B 🦋

This inquiry- and virtual-lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a number of virtual lab activities in which students will exercise experimental design, data analysis, and data interpretation skills while working through a simulated laboratory situation.

**Lab materials note:** None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.

### Chemistry A/B 🦋

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter.

It also addresses additional concepts and standards typically included in a full-year high school chemistry course, including molar concentrations, acid-base reactions, advanced stoichiometry, gas laws, and organic compounds. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, test tubes, and chemical reagents. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student [Edmentum Lab Kits](#) may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.



# Course Catalog

## Earth and Space Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school Earth and space science. Content topics include Earth and space systems and interactions, the history of the Earth, the Earth's systems, weather and climate, climate change, and human impacts on the Earth.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## High School Earth and Space Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, and a water testing kit. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student [Edmentum Lab Kits](#) may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Integrated Physics & Chemistry A/B

The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving.

**Lab materials note:** None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.

## Life Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school life science. Content topics include cells and human body systems, structure and functions of living organisms, genes and adaptations, evolution, energy flow in ecosystems, and interdependence of ecosystems.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Physical Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school physical science. Content topics include structure and properties of matter, chemical reactions, forces and motion, force fields, energy, and waves.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## 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. The 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.

**Lab materials note:** None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common, household items—such as paper and a pencil—if they choose.





# Course Catalog

## Science 6 A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a sixth-grade integrated science course ([NGSS Appendix K: Modified Conceptual Progression Model](#), p. 19), focusing on basic physical science, Earth and space science, and ecosystems. Content topics include structure and properties of matter, forces and motion, the Earth and space, the history of the Earth, the interdependence of ecosystems, and weather and climate.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Science 7 A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a seventh-grade integrated science course ([NGSS Appendix K: Modified Conceptual Progression Model](#), p. 19), focusing on cells, the life cycle, nutrition, chemical reactions, force fields, and energy. Content topics include cells and human body systems, the life cycle, nutrition and energy, chemical reactions, force fields, and energy.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Science 8 A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with an eighth-grade integrated science course ([NGSS Appendix K: Modified Conceptual Progression Model](#), p. 19). Content topics include genes and adaptations, evolution, energy and the Earth, the Earth's changing climate, waves, and technology and human impacts on the Earth.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

**Lab materials note:** All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## Career & Technical Education

### Accounting A/B

The Bureau of Labor Statistics identifies accounting as one of the best careers for job growth in the next decade. This course empowers high school students with the essential skills they need to understand accounting basics. Lessons include Account Types (assets, liabilities, expenses, etc.), Fundamentals of Bookkeeping, Financial Statements, and Careers in Accounting. Engaging and relevant, this course particularly helps both those students with an accounting career orientation, and those in need of an overview of essential accounting principles.

### Applied Medical Terminology A/B

Built on the same sound pedagogy and proven course design methodologies as all of our courses, Medical Terminology helps students understand the structure and meaning of medical terms and identify medical terminology associated with various body systems. As the health care industry becomes more and more complex, developing expertise in accurately and efficiently identifying medical terms and their specific application is essential to a growing variety of health care careers. This course begins to prepare your students for those careers.

### Audio Video Production 1 A/B

This 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.

### Audio Video Production 2 A/B

This 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, preproduction activities, media production techniques, and postproduction 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.

# Course Catalog



## Audio Video Production 3 A/B

This course is designed to enable all students at the high school level to understand the basic concepts in audio video manufacturing. Students will learn about preproduction 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.

## Business Information Management A/B

This course is designed to enable students at high school level to develop information management skills that they can use during in their careers in business organizations. This course discusses career opportunities available in Business Information Management, computing technology for business, connecting through the internet, working with documents, working with spreadsheets, working with a presentation program, working with databases, web page design, and project management. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the business information management industry.

## Career Explorations

The 21 lessons and additional activities in this one-semester course are fundamental to ensuring career readiness on the part of your students. Covering such essentials as developing and practicing a strong work ethic, time management, communication, teamwork, and the fundamentals of workplace organizations, Career Explorations develops not just essential skills, but the confidence in themselves and their abilities to present themselves that your students need as they prepare to embark on their chosen careers.

## Certified Nurse Aide A/B

The course is designed to enable students to learn the key skills and information that they need to work as certified nurse aides. The course will help students develop an understanding of the human body, physical and nutritional needs, mental health needs and teach them to provide culturally competent and quality care to clients in a safe and healthy environment. The course is based on the NNAAP Exam syllabus and is designed to prepare students to take the exam and become certified nurse aides.

The course has animations and videos that demonstrate key skills that students must acquire to work as nurse aides. The practice test at the end of the course gives students practice on the written exam that they'll need to give to become certified nurse aides.

## Child Development & Parenting A/B

As adulthood and its accompanying responsibilities become closer for many of your students, this one-semester course with 12 lessons introduces them to the basics of parenting. Students will learn the nuances of parenting including learning about prenatal and postnatal care and gain insights on the nurture of children. Students will also learn about the importance of positive parenting skills, parent-child communication, and ways to use community resources for effective parenting. Activities will help your students connect leading research to real-life experience.

## CompTIA A+ 220-1001

This course is focused on the exam objectives of CompTIA A+ 220-1001. Students will learn about computer hardware and networking, including concepts related to virtualization and cloud computing. Students will learn about mobile devices and their features. Students will learn how to identify and troubleshoot problems related to hardware, networking, printers, storage devices, and mobile devices.

Unit activities in the course help students to develop and apply critical thinking skills.

Animations and screenshot-based slideshows included in the lesson keep students engaged. Students can understand technical concepts easily.

Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance-based questions.

Practice test at the end of the course help students to practice questions that are parallel to the CompTIA A+ 220-1001 certification exam.

## CompTIA A+ 220-1002

This course is focused on the exam objectives of CompTIA A+ 220-1002. Students will learn about the features and tools in Windows, Mac/Linux, and mobile operating systems. Students will learn about security, cloud computing, and operational procedures. Students will also learn how to use remote access tools and identify and troubleshoot problems related to operating systems, security, and mobile applications.

Unit activities in the course help students to develop and apply critical thinking skills.

Animations and screenshot-based slideshows included in the lesson keep students engaged. Students can understand technical concepts very easily.

Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance-based questions.

Practice test at the end of the course help students to practice questions that are parallel to the CompTIA A+ 220-1002 certification exam.



# Course Catalog



## CompTIA Network+ Certification (N10-007)

This course is a two-semester course focused on the exam objectives of CompTIA Network+ certification N10-007. Students will learn about the types of networks, network topologies, the Open Systems Interconnection (OSI) model, Internet protocol addresses, routing, and switching. Students will learn about wireless technologies, virtualization, cloud concepts, and network services. Students will learn about network cables, connectors, network devices, network storage technologies, and wide area networks. Students will learn about network documentation, network monitoring, and remote access methods. Students will learn about business continuity, disaster recovery methods, physical and logical security methods. Students will learn how to secure a wireless network. Students will also learn about network attacks, and various device hardening and mitigation techniques. Finally, students will learn how to troubleshoot issues related to wired connectivity, wireless connectivity, and network services. Unit activities in the course help students to develop and apply critical thinking skills. Animations included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA Network+ performance-based questions. Practice Test at the end of the course help students to attempt questions that are similar to CompTIA Network+ certification N10-007 exam.

## Computer Programming 1 A/B

Part of the Courseware Career and Technical Education (CTE) Library, Computer Programming combines engaging online and offline activities in a rigorous one-semester course for your high school students who may be aspiring to technical careers. Building on lessons covering the software development lifecycle and software development methodologies, the 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.

## Computing for College & Careers A/B

This course is designed to enable students at the high school level to develop basic computer skills that they can use during their college education and also in their careers. This course is designed to enable all students at the high school level to develop the critical skills and knowledge that they will need to be successful in careers throughout their lives. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers and/or into postsecondary education.

## Culinary Arts A/B

This 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 and cover topics in health, 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.

## Digital & Interactive Media A/B

This 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 15 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.

## Drafting & 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 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.

## Electronic Communication Skills

This semester-long 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 postsecondary education. It is designed to enable students at high school level to develop electronic communication skills that they can use in their careers.

## Entrepreneurship A/B

This course is based on Career Technical Education (CTE) standards designed to help students understand the roles and attributes of an entrepreneur, marketing and its components, selling process, and operations management. This course discusses entrepreneurship and the economy, marketing fundamentals, managing customers, production and operations management, money, and business law and taxation.

## Essential Career Skills

This 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.



# Course Catalog

## Food Handler and Food Manager Certifications

The Food Handler and Food Manager Certifications course helps students learn what they need to know to be successful in the National Restaurant Association (NRA) ServSafe® Food Handler and Manager Certification exam. The five units of the course arm students with the knowledge and skills to provide safe food to customers as a food handler or a food manager. Key topics include the principles of food safety, hygiene practices, time and temperature control, food procedures from initial purchasing to final serving, procedures for cleaning and sanitizing, and food service inspection protocols.

## Foundations of Green Energy

This is a two-semester CTE course for high school students who want to understand the rapidly growing and evolving energy field, with special emphasis on electrical energy and on new and emerging energy technologies. The course is designed to address state standards in the Energy and STEM domains as well as the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). Unit topics include the energy industry; energy science and efficiency; electrical generation, transmission, and distribution; conventional, alternative, and emerging energy sources; health, safety, and security issues; and energy careers and pathways, from entry level to professional.

## Game Development

Are any of your students gamers? That's what we thought. In this 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.

## Graphic Design & Illustration A/B

This course will help students develop an understanding of the industry with a focus on topics such as history of graphic design, types of digital images, graphic design tools, storing and manipulating images, design elements and principles, copyright laws, and printing images. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the graphic design industry.

## Health Science 1 A/B

The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the health science industry. Semester A is designed to enable all students at the high-school level to understand the basic structure and function of the human body and it will help the students identify and analyze the diseases and medical procedures related to each body system. Semester B will help the students develop an understanding of biomolecules such as proteins, carbohydrates, and lipids; biological and chemical processes; and various diseases that affect the body.

## Health Science 2 A/B

This course is designed to enable all students at the high-school level to learn the basics of health science. The course will help the students develop an understanding of the academic qualifications, personal skills, training, and use of healthcare tools required to work in the healthcare industry. The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the healthcare industry.

## International Business

International Business is a one-semester course that covers the fundamentals of international business, international business transactions, and how a business can go global. In this course, students will learn about what international business is and how globalization has impacted it. They will learn about global trade and investment policies, and politics and laws that impact international business. Students will also learn about the International Monetary Fund, foreign exchange and global capital markets, key world economies, and economic cooperation across countries. The course also covers strategies to enter the international market along with factors like strategic planning, marketing, global sourcing, and logistics, human resource management, and employability skills. Students also learn about the cultural elements involved in conducting international business. 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.

## Introduction to Android Mobile App Development

This 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.

## Introduction to Criminology

Introduction to Criminology is a one-semester course with 14 lessons that cover the theories related to criminology. The target audience for this course is high school students. This course covers subject areas such as: classical theory, positivist theory, punishing offenders, routine activity theory, labeling theory, social disorganization theory, peacemaking criminology, and many more.

# Course Catalog



## Introduction to Cybersecurity

This Elective course introduces students to the field of cybersecurity, focusing primarily on personal computer use and vulnerabilities while also highlighting the wider scope of cybersecurity from a societal and career perspective. Specific topics include computer security, VPN and wireless security, risk management, and laws, standards, and ethics related to cybersecurity.

## Introduction to Finance

This 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.

## Introduction to iOS Mobile App Development

This 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.

## Marketing, Advertising, & Sales

Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. This 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.

## Networking Fundamentals

This course is a two-semester course focused on the concepts of networking. Students will learn about careers in networking and employability skills required for a career in networking. Students will learn about the types of networks, network topologies, the Open Systems Interconnection (OSI) model, Internet protocol addresses, and Internet of Things (IoT) technologies. Students will learn about networking devices, cables, media, and connectors. Students will learn to set up a small wired network. Students will learn about network security threats and preventive measures to secure a network. This course also covers network planning, administration, troubleshooting, and maintenance. Students will learn about wireless networking standards and access methods. Students will learn to set up and secure a wireless network. Students will learn about virtual private networks and cloud computing. Students will also learn to troubleshoot issues related to wired and wireless networks.

Unit activities in the course help students to develop and apply critical thinking skills.

Animations included in the lesson keep students engaged. Students can understand technical concepts very easily.

Simulations provide students a real computer environment to practice various procedural steps.

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

Throughout this 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.

## Principles of Architecture and Construction

This interactive course empowers students with the knowledge to appreciate and evaluate career opportunities in architecture and construction. With an emphasis on developing critical thinking skills, this one-semester course includes a variety of activities as students learn about structures and loads, materials and costs, urban design, and other aspects of these fascinating career opportunities. This easy-to-manage course will help build a solid foundation for their career options.

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

This course appeals to your students' familiarity with a variety of sensory inputs and stimulus. With an emphasis on visual arts, the 14 lessons introduce learners to careers in design, photography, performing arts, fashion, and journalism, among others. This engaging course covers inherently engaging topics that will stimulate your students as they consider careers in which the arts, technology, and communications intersect.

## Principles of Business, Marketing, & Finance A/B

This 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.



# Course Catalog

## Principles of Education & Training A/B

This 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.

## Principles of Engineering & Technology A/B

This easy-to-manage 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.

## Principles of Government & Public Administration A/B

This 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.

## Principles of Health Science A/B

With an engaging and interactive instructional approach, this rigorous course provides your students with a comprehensive overview of health science topics and careers. Health science professionals are in increasing demand and of increasing interest, and this semester-long course is an effective way to introduce students to the wide array of health science careers. Beginning with medical terminology, the course includes an overview of physiology and human homeostasis and more.

## Principles of Hospitality & Tourism A/B

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This course emphasizes learning the practical aspects of the industry and promotes the development of critical-thinking skills required in real-world situations. The 14-lesson course will introduce your students to the basics of hospitality and tourism, and will help them evaluate their skills and prepare for a career in this growing and exciting industry.

## Principles of Human Services A/B

This 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.

## Principles of Information Technology A/B

Building on the fundamentals learned in Information Technology 1A, this course takes the next steps in preparing learners for a career in information technology. Covering software, hardware, and implementation topics, the course also addresses the security and ethical issues that your students will face in an IT career. Combining lessons, online and offline activities, and interactive discussions, the course will provide a practical yet cutting edge look at the issues faced by leading IT professionals today and in the future.

## Principles of Law, Public Safety, Corrections, & Security A/B

For many reasons, high school students are drawn to learning about the careers addressed in this course. This course includes 15 lessons that help students learn about careers that make a powerful impact in all of our lives. From criminal law to every phase of the trial process, the course moves on to include lessons on the correctional system and the implications of legal ethics and the constitution.

## Principles of Manufacturing A/B

Principles of Manufacturing is a course comprising of 15 lessons to help your students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available to them in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues related to launching and managing a manufacturing business.

## Principles of Transportation, Distribution, & Logistics A/B

In an increasingly interconnected world, this course will introduce your students to an industry that delivers what people want, when and how they want it. The TDL industry is essential to creating global economic growth through increasingly more efficient delivery of goods and services. This course will help to develop both the quantitative and qualitative skills and knowledge required for students to prepare themselves for a successful TDL career. The course addresses the relevant logistical and geopolitical issues that impact global trade.



# Course Catalog

## Professional Communications

This 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.

## Professional Photography A/B

Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Digital Photography provides you with the flexibility to not only use it as an independent individual course or as a group or class course, but to also easily customize the course to the unique needs of your situation. The course combines 15 lessons with online discussions that promote the development of critical thinking skills as your students explore digital photography as an enriching activity or a career.

## Robotics I A/B

This two-semester course is focused on the concepts related to robots and how to construct a robot. Students will learn about the history and applications of robotics. Students will learn about the job opportunities and employability skills in the field of robotics. Students will also learn about the basic concepts of six simple machines, electricity, electronic circuits, Boolean algebra, magnetism, and their applicability to robotics. Students will apply safety procedures and construct a simple robot. Students will also learn about project management and engineering design process. Students will learn about the programming languages used in robotics. Students will create a simple robotic arm. Students will also construct a robot using programming. Student will learn about ethics and laws related to robotics. Students will also learn how to test and maintain a robot. Online discussions and unit 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.

**Required lab materials note:** This course contains hands-on labs that employ relatively-common household materials to provide a valuable laboratory experience. Please refer to the Student Syllabus or Teacher's Guide for a detailed list of required lab materials and options for purchasing kits.

## Sports & Entertainment Marketing

This course is designed to enable all students at the high school level to develop skills they will need to be successful in sports, entertainment, and recreational marketing professions. Students learn about the structure of a business firm and financial statements. Students also learn about the basics of sports, entertainment, and recreation marketing. Finally, students explore essential career skills, such as teamwork and time management. This course covers topics such as marketing staples, mapping markets, marketing communication, and making the sale. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in sports, entertainment, and recreational marketing field.

## Web Technologies A/B

Whether they know it or not, almost all of your students have an interest in web design. This course takes them inside the essentials of web design and helps them discover what makes a site truly engaging and interactive. Lessons such as Elements of Design, Effects of Color, and Typography help them understand the elements of effective and dynamic web design. The course covers the basics of HTML, CSS, and how to organize content, and helps to prepare them for a career in web design.

## Electives

### 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.

### African American Studies

This semester-long course traces the experiences of Africans in the Americas from 1500 to the present day. In this course, students will explore history, politics, and culture. Although the course proceeds in chronological order, lessons are also grouped by themes and trends in African American history. Therefore, some time periods and important people are featured in more than one lesson.

### Art History & Appreciation

This 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.



# Course Catalog

## 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.

## Creative Writing

This course is designed to get students to pursue creative writing as a vocation or as a hobby. To that purpose, it exposes them to different genres and techniques of creative writing, as also the key elements (such as plot and characterization in fiction) in each genre. Great creative writing does not come merely by reading about the craft—one also needs ideas; a process for planning, drafting and revising; and the opportunity to experiment with different forms and genres. The lesson tutorials in this course familiarize students with the basic structure and elements of different types or genres of writing. 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 creative writing fields.

## Environmental Science A/B

This course is designed to introduce students to the history of environmental science in the United States, ecological interactions and succession, environmental change, adaptation, and biogeochemical cycles. Students will learn about the importance of environmental science as an interdisciplinary field. They will describe the importance of biodiversity to the survival of organisms, and learn about ecological pyramids. They will discuss the effects of climate change and explore different types of adaptation. They will describe the steps of the water cycle, and discuss how carbon, oxygen, nitrogen, and phosphorous cycle in the global environment.

## 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.

## Holocaust Studies

This one-semester course is focused on the Holocaust, a tragic time in history that resulted in the killing of six million Jewish people in Europe. Students trace this period in history from the aftermath of the First World War to the roots of anti-Semitism and the rise of Adolf Hitler to the aftermath of the Holocaust. The 14 lessons in the course explore the history of the Jewish community in Europe and what they were subjected to at the hands of the Nazis, including their experiences in the ghettos, concentration camps, and termination camps. Students learn about how Nazis victimized non-Jewish people who were against the Third Reich. The course also covers the Jewish resistance and their fight for liberation, the trials after the Second World War, and the impact of the Holocaust on the world. This course combines a variety of content types, including lessons, activities, discussions, and games to keep students engaged as they trace this tragic period in history.

## Introduction to Anthropology

Introduction to Anthropology is a one-semester course with 14 lessons that introduce students to the field of anthropology. Students 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.

## 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.

## Introduction to Astronomy

Introduction to Astronomy is a one-semester course with 17 lessons that cover a wide range of topics, such as the solar system, planets, stars, asteroids, comets, galaxies, space exploration, and theories of cosmology. The target audience for this course is high school students.

## Introduction to Fashion Design

From Components of Fashion to Haute Couture to Production, this course is focused on the practical aspects of career preparation in the fashion design industry. The 17 lessons in the course provide students with both breadth and depth, as they explore the full gamut of relevant topics in fashion design. 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. Fascinating and practical, Introduction to Fashion design will appeal to, and enrich, many of your students.



# Course Catalog



## Introduction to Forensic Science

This course is designed to introduce students to the importance and limitations of forensic science and explore different career options in this field. They also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA samples. Moreover, they learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains in a crime scene. Finally, they learn about forensic investigative methods related to arson, computer crimes, financial crimes, frauds, and forgeries.

## Introduction to Marine Biology

This course is designed to introduce students to oceanic features and processes, ocean habitats and ecosystems, life forms in the ocean, and different types of interactions in the ocean. Students will learn about the formation and characteristic features of the oceans. They will learn about the scientific method and explore careers available in marine biology. They will learn about the characteristic features of different taxonomic groups found in the ocean. They 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. They will learn about succession and the flow of energy in marine ecosystems. They will also learn about the resources that the oceans provide and the threats that the oceans face from human activities.

## Introduction to Military Careers

This one-semester course introduces the US military and describes each of its branches, which include the National Guard, Army, Navy, Marine Corps, Coast Guard, and Air Force. Students also learn about the relationship of the military reserve to the branches of the military. The course covers non-combat careers in the military, such as military intelligence, information technology, health care, legal services, logistics, aviation, and transportation, and other specialized careers. This course also covers enlistment and fitness requirements for military careers and personal traits that are essential for success in the military. The 16 lessons in the course provide students with both breadth and depth, as they learn about the US Military. 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.

## Introduction to Philosophy

This Elective course provides students an introduction to the field of philosophy and its great, timeless questions. Students explore the origin and evolution of philosophy as a discipline and learn about the times, lives, and intellectual contributions of essential philosophers.

## Introduction to Social Media

This cutting-edge course develops social media skills and knowledge that will have a practical and positive impact in helping your high school students succeed in today's economy. Of course they already engage in social media, but this course enhances their skills and knowledge in order to apply them in a practical way in their careers. Online discussions are a critical aspect of creating a collaborative learning environment, while games and other interactions ensure engagement and promote a strong career orientation.

## Introduction to Veterinary Science

This course is designed to introduce all students at the high school level to the fundamentals of veterinary science, measures to control diseases in animals, and the impact of toxins and poisons on animal health. The students will 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 animal health and determine effective treatments for infectious and noninfectious diseases in animals. Additionally, they will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.

## Introduction to Visual Arts

This 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.

## Introduction to World Religions

Introduction to World Religions is a one-semester course with 14 lessons that discuss the origins, beliefs, and practices related to various world religions. The target audience for this course is high school students. This course covers subject areas such as: primal religious traditions, sacred stories, Hinduism, Buddhism, Judaism, Christianity, Islam, contemporary religious movements, and many more.

## Music Appreciation

In a time of an increasing emphasis on STEM courses and skills, it remains essential to provide your students with opportunities to explore the arts from both an informational and career-oriented perspective. In Music Appreciation, students will explore the history and evolution of music, learn the elements of music and musical notations, and the contributions of popular music artists and composers. A variety of lessons, activities, and discussions will help to develop an awareness and appreciation of music that will develop not only critical thinking skills, but life enriching skills as well.

## Mythology & Folklore

Introduction to Mythology and Folklore is a one-semester course with 15 lessons that discuss myths, legends, and folklore from around the world. This course covers subjects such as Mythology, Legend, Folklore, Gods and the Goddesses, natural events, and wonders of the world.



# Course Catalog

## Native American Studies: Contemporary Perspectives

This course complements Native American Studies: Historical Perspectives. It explores Native American worldviews, art, media perspectives on Native Americans, and contemporary perspectives and organizations. It concludes by providing a global perspective by examining issues face by indigenous peoples throughout the world.

## Native American Studies: Historical Perspectives

By providing historical perspectives, this course provides a comprehensive understanding of the roots of Native American culture. The topics addressed include an exploration of the Native American history in the arctic and subarctic, various regions of the U.S., and the development of Native American life.

## Nutrition & Wellness

This course focuses on essential knowledge about nutrition and wellness for health, fitness, and disease prevention. The course includes basic concepts of nutrition, the digestive and metabolic processes, nutrient requirements, dietary guidelines, menu planning, the importance of physical fitness, community health issues, food-related technology, and careers in the field of nutrition and wellness.

## Personal Finance

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.

## Psychology A/B

This 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. Students will learn how psychologists develop and validate theories and will examine how hereditary, social, and cultural factors help form an individual's behavior and attitudes. Students will also evaluate the effectiveness of different types of psychological counseling and therapy. Highly interactive content includes online discussions that help develop critical thinking skills.

## 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.

## Social Issues

Because the specifics of social issues change rapidly, this 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.

## Sociology

In this 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 they discover sociology as a subject and as a career.

## Structure of Writing

This semester-long course focuses on building good sentences. Students will learn how to put words, phrases, and clauses together and how to punctuate correctly. They will start using sentences in short compositions. As an extra bonus, students will add some new words to their vocabulary, and they will practice spelling difficult words. Near the end of the course, students are to submit a book report. Early in the course, encourage students to start looking for the books they want to read for the book report. They might also preview the introduction to that lesson so they know what will be expected.

## Theater, Cinema & Film Production

This one-semester course explores what goes into the making of a theater and film production. The course has 14 lessons that focus on the pre-production, production, and post-production stages of theater and film productions. Students will be introduced to theater and film, and their different genres and subgenres. They will also learn about roles and responsibilities of the cast and crew, including the director, actors, screenplay writers, set designers, wardrobe stylists and costume designers, and makeup artists. The course also covers technical aspects, such as lighting and sound. Students will also learn about the influence of the audience on theater, cinema, and film production. The course combines a variety of content types, including lessons, activities, discussions, and games to keep students engaged as they discover the world of theater, cinema, and film production.



# Course Catalog

## Women's Studies

Women's Studies is a one-semester course with 14 lessons that introduce students to women's studies, gender studies, and gender roles. The course traces the history of feminism, analyzes feminist theories, and examines intersectionality. Students will learn about social and political movements for the rights of women and other vulnerable groups. Students will also learn about social and family structures and socialization, which includes identifying prejudices, biases, and stereotypes that exist in society, and how the media perpetuates some stereotypes about gender roles and identities. The course also covers social and family structures, different forms of oppression, ways to prevent oppression, and methods to help and empower victims. Students will learn about international activism for gender equality, legal rights, and the challenges in achieving equality for all citizens from every section of society. The course combines a variety of content types, including lessons, activities, discussions, and games to engage learners as they discover the significance of women's studies.

## World Languages

### Advanced French A/B (EdOptions Academy Only)

Our online AP French Language & Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP French Language course prepares them for the AP French exam. Its foundation is the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century.

### Advanced Spanish A/B (EdOptions Academy Only)

The AP® Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP® Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide-variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of Spanish speaking areas of the world, use Spanish to connect with other disciplines and expand knowledge in a wide-variety of contexts, develop insight into the nature of the Spanish language and its culture, and use Spanish to participate in communities at home and around the world. The AP® Spanish Language and Culture course is a college level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

### American Sign Language (ASL) 1 A/B (EdOptions Academy Only)

*\*Available only through EdOptions Academy\**

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? 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.

### Chinese 1 A/B (EdOptions Academy Only)

Students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the "Avatar store". Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

### Chinese 2 A/B (EdOptions Academy Only)

Students continue their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the "Avatar store". Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

# Course Catalog



## French 1 A/B

These courses are based on a researched scope and sequence that covers the essential concepts of French. Class discussions provide an opportunity for discourse on specific topics in French. A key support tool is the Audio Recording Tool that enables students to learn a critical skill for French: listening and speaking. Beginning with learning personal greetings and continuing through practical communications exchanges, French 1B introduces students to the skills necessary to make the most of traveling to French-speaking countries.

## French 2 A/B

Each of these semesters is designed to build on the principles mastered in French 1 and use a combination of online curriculum, electronic learning activities, and supporting interactive activities to fully engage learners. Unit pretests, post-tests, and end-of-semester tests identify strengths and weaknesses, helping to create a more personalized and effective learning experience. As with French 1, these 90-day courses emphasize practical communication skills while also building intercultural awareness and sensitivity.

## French 3 A/B (EdOptions Academy Only)

In this expanding engagement with French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French, and respond orally or in writing to these works. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to use to purchase items (virtual clothing, gadgets, scenery, etc.) at the "Avatar store". Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

## German 1 A/B

As with all Edmentum world language courses, German 1 A and B address two primary issues: providing a meaningful context that encourages learners to think in the target language as much as possible; and introducing grammatical concepts without over reliance on grammatical analysis. German 1A focuses on communicating basic and practical greetings and personal information. German 1B consists of five units over about 14 weeks, with an emphasis on a variety of practice types throughout the course.

## German 2 A/B

According to *The Economist* and the Census Bureau, German-American is America's largest single ethnic group, with over 46 million Americans claiming German Ancestry. German 2 A and B tap into learners' latent interest in their cultural past, present, and future. These courses employ direct-instruction approaches, including application of the target language through activities. Each unit in the course includes a predefined discussion topic. These discussions provide an opportunity for discourse on specific topics in German.

## Latin 1 A/B (EdOptions Academy Only)

Students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to use to purchase items (virtual clothing, gadgets, scenery, etc.) at the "Avatar store". Each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

## Latin 2 A/B (EdOptions Academy Only)

Students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to use to purchase items (virtual clothing, gadgets, scenery, etc.) at the "Avatar store". Each week consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

## Spanish 1 A/B

Spanish is the most spoken non-English language in U.S. homes, even among non-Hispanics, according to the Pew Research Center. There are overwhelming cultural, economic, and demographic reasons for students to achieve mastery of Spanish. Spanish 1A and B engage students and use a variety of activities to ensure student engagement and to promote personalized learning. These courses can be delivered completely online, or implemented as blended courses, according to the unique needs of the teacher and the students.

# Course Catalog



## Spanish 2 A/B

Spanish 2A and B utilize three assessment tools that are designed specifically to address communication using the target language: Lesson Activities, Unit Activities, and Discussions. These tools help ensure language and concept mastery as students grow in their understanding and use of Spanish. Learning games specifically designed for language learning are used and can be accessed on a wide variety of devices.

## Spanish 3 A/B

Spanish 3A and B take a unique approach by setting the lessons in each unit in a specific Spanish-speaking locale, immersing students in the language and in a variety of Hispanic cultures and issues. For example, Unit 5 in Semester B includes a discussion of the environmental issues in Argentina. Concluding the three-year cycle of Spanish courses, Spanish 3A and B effectively combine group and individual learning and offer activities and assessments to keep students engaged and on track.

## Health & Fitness

### Adaptive Physical Education

This 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.

### Advanced Physical Education 1

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.

### Advanced Physical Education 2

This course gives the student an in-depth view of physical fitness by studying subjects such as: biomechanics, nutrition, exercise programming, and exercise psychology. Students will apply what they learn by participating in a more challenging exercise requirement. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

### Anatomy

In this 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.

### Comprehensive Physical Education

In this 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.

### Credit Recovery Health

Credit Recovery Health 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.

### Credit Recovery Physical Education 1

Credit Recovery PE is ideal for students who have had prior exposure to physical education, 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 about the FITT principles, the components of physical fitness, and the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Students participate in weekly physical activity throughout the course.

### Credit Recovery Physical Education 2

Credit Recovery PE is ideal for students who have had prior exposure to physical education, 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 about the FITT principles, the components of physical fitness, and the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Students participate in weekly physical activity throughout the course.

# Course Catalog



## Drugs & Alcohol

This 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.

## Elementary Health 1 A/B

Elementary Health 1 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.

## Elementary Health 2 A/B

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.

## Elementary Health 3 A/B

Elementary Health 3 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.

## Elementary Health 4 A/B

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.

## Elementary Health 5 A/B

Elementary Health 5 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.

## Elementary Health Kindergarten A/B

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.

## Elementary Physical Education 1 A/B

Elementary PE 1 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.

## Elementary Physical Education 2 A/B

Elementary PE 2 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 cool down, 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.

## Elementary Physical Education 3 A/B

Elementary PE 3 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 cool down, 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.

## Elementary Physical Education 4 A/B

Elementary PE 4 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 cool down, 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.





# Course Catalog

## Elementary Physical Education 5 A/B

Elementary 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 cool down, 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.

## Elementary Physical Education Kindergarten A/B

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.

## Exercise Science

This 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.

## Family & Consumer Science

Family & Consumer Science 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.

## Family Living & Healthy Relationships

In this 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.

## First Aid & Safety

In this 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.

## Fitness Basics 1

This 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.

## Fitness Basics 2

This 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.

## Fitness Fundamentals 1

This course 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 training.

## Fitness Fundamentals 2

This course 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.



# Course Catalog

## Flexibility Training

This 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.

## Group Sports

This 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.

## Health & Personal Wellness

This 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.

## Health Careers

In this course, 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.

## HOPE 1

This 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.

## HOPE 2

This 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.

## Individual Sports

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, 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.

## Intro to Coaching

This 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.

## Intro to Group Sports 1

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.

## Intro to Group Sports 2

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.



# Course Catalog

## Intro to Individual Sports 1

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.

## Intro to Individual Sports 2

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.

## Intro to Nursing 1

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.

## Intro to Nursing 2

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, and crisis management will be included.

## Life Skills

This 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.

## Lifetime & Leisure Sports

This 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.

## 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.

## 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.

## Nutrition

This 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.



# Course Catalog

## Outdoor Sports

This 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.

## Personal Health & Fitness

This 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.

## Personal Training Career Prep

This 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.

## Personal Training Concepts

This 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.

## Physiology

In this 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.

## Running

This 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.

## Sports Officiating

In this 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.

## Strength Training

This one-semester course by Carone Fitness 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.

## Walking Fitness

This 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.

## Health & PE

### Health

This course is based on a rigorously researched scope and sequence that covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrate their understanding of those concepts through problem solving. The five units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health.

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## Physical Education

This course’s three units include Getting Active, Improving Performance, and Lifestyle. Unit activities elevate students’ self-awareness of their health and well-being while examining topics such as diet and mental health and exploring websites and other resources. In addition to being effective as a stand-alone course, the components can be easily integrated into other health and wellness courses.

[Alignments & Features](#)

[State Lists](#)

edmentum.com  
800.447.5286  
info@edmentum.com

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