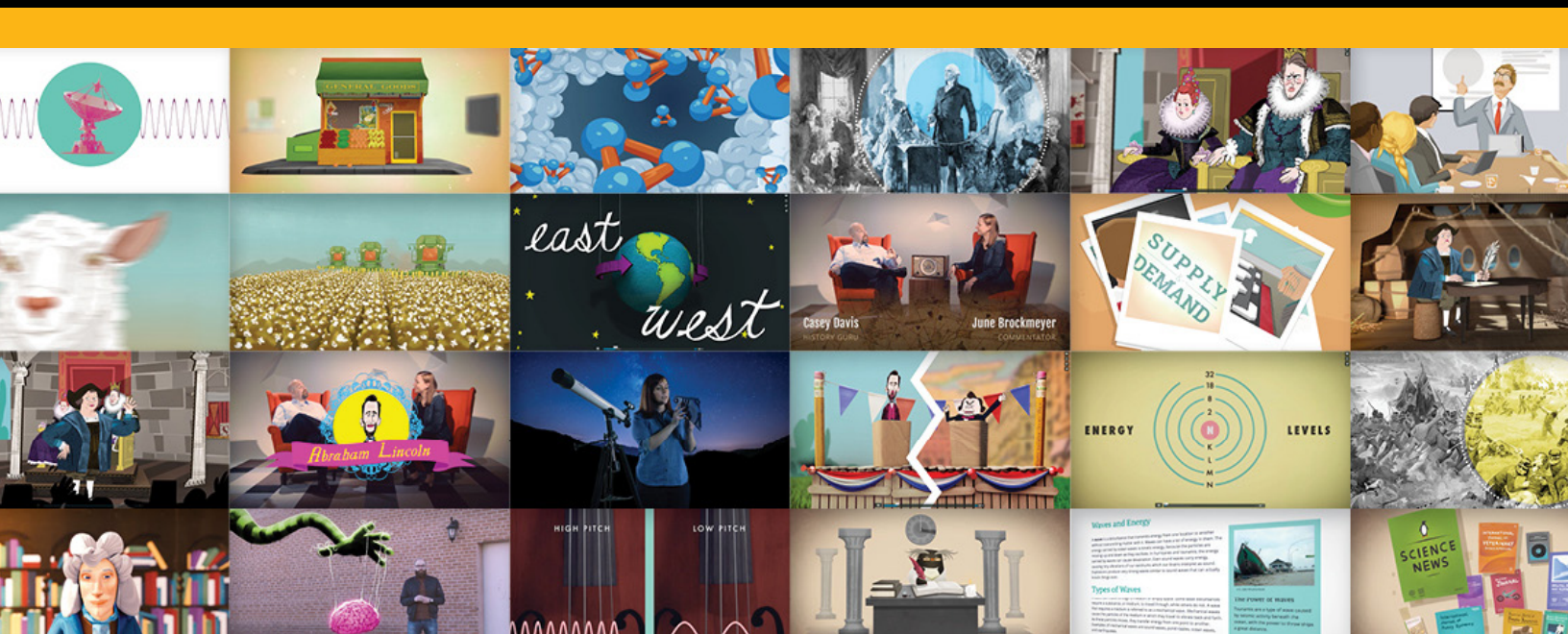


STRONGMINDSM

2022-2023 COURSE CATALOG

VALOR PREPARATORY
ACADEMY OF ARIZONA



ENGLISH 9

Grade: 9
Prerequisite(s):

[Course Intro Video](#)

First Semester:

English I (2 of 2) explores reading, writing, and analysis using both informational and literary texts. Readings include Anthem by Ayn Rand, among other texts of varying time periods to demonstrate concepts such as textual evidence, themes, central ideas, characters, inferences, rhetorical techniques, structure and style, and arguments and claims. Writing topics include grammar, usage, punctuation, spelling, style manuals, phrases, and clauses, culminating in an informational essay and an argument essay.

Grade: 9
Prerequisite(s):
English 9 First Semester

[Course Intro Video](#)

Second Semester:

English I (1 of 2) explores reading, writing, and analysis using both informational and literary texts, as well as comparison of texts in different mediums. Readings include The Princess and the Goblin by George MacDonald, among others to demonstrate understanding of textual evidence, themes, central ideas, inferences, word choice, and figurative and connotative language, and grammar and usage. Writings include a personal narrative (memoir) and a literary analysis.

ENGLISH 9 HONORS

Grade: 9
Prerequisite(s):

[Course Intro Video](#)

First Semester:

English 9A explores reading, writing, and analysis using both informational and literary texts, as well as comparison of texts in different mediums. Readings include The Princess and the Goblin by George MacDonald, among others to demonstrate understanding of textual evidence, themes, central ideas, inferences, word choice, and figurative and connotative language, and grammar and usage. Writings include a personal narrative (memoir) and a literary analysis.

Honors includes additional examples and practice for students.

Grade: 9
Prerequisite(s):
English 9 Honors First Semester

[Course Intro Video](#)

Second Semester:

English 9B explores reading, writing, and analysis using both informational and literary texts. Readings include Anthem by Ayn Rand, among other texts of varying time periods to demonstrate concepts such as textual evidence, themes, central ideas, characters, inferences, rhetorical techniques, structure and style, and arguments and claims. Writing topics include grammar, usage, punctuation, spelling, style manuals, phrases, and clauses, culminating in an informational essay and an argument essay.

Honors includes additional examples and practice for students.

Honors courses are usually reserved for students who excel in the subject matter.



ENGLISH 10

Grade: 10
Prerequisite(s):

[Course Intro Video](#)

First Semester:

English II (1 of 2) examines reading, writing, and analysis of informational texts, argument texts, and videos to demonstrate understanding of explicit and inferred meaning, textual evidence, central ideas, arguments and claims, organizational structures, figurative and rhetorical language, and the effect of word choice on tone. Skill building focuses on spelling, grammar, usage, punctuation, domain-specific vocabulary, context clues, and affixes. Writing topics include an informational essay and an argument essay.

Grade: 10
Prerequisite(s):
English 10 First Semester

[Course Intro Video](#)

Second Semester:

English II (2 of 2) explores reading, writing, and analysis of literary texts from around the world and across history. Readings include Antigone by Sophocles, among others to demonstrate understanding of textual evidence, themes, inferences, characterization, figurative language, figures of speech, and literary devices, as well as building about foundational knowledge of context clues, word nuances, affixes, phrases, clauses, and parallel construction. Writing topics include a literary analysis essay and a personal narrative essay.

ENGLISH 10 HONORS

Grade: 10
Prerequisite(s):

First Semester:

English 10A investigates the writing and discourse processes while supplementing them with the reading and grammar strategies necessary to comprehend and compose nonfiction texts. Exploration of language skills in writing topics include researching, organizing, and developing descriptive, persuasive narrative, and expository compositions.

Honors includes additional examples and practice for students.

Grade: 10
Prerequisite(s):
English 10 Honors First Semester

[Course Intro Video](#)

Second Semester:

English 10B explores literature from multiple eras and cultures. Readings include epic poetry, folktales, ancient verses, Greek tragedy such as Antigone by Sophocles, short stories, and excerpts from novels to examine language, ideas, characters, and literary elements. Exploration of evidence, context clues, symbolism, affixes, and denotative and connotative meanings are provided in short research and writing projects. Writing topics also include a character analysis and a personal narrative.

Honors includes additional examples and practice for students.

Honors courses are usually reserved for students who excel in the subject matter.



ENGLISH 11

Grade: 11
Prerequisite(s):

[Course Intro Video](#)

First Semester:

English III (1 of 2) examines reading, writing, and analysis using both informational and argument texts. Readings include seminal US texts such as “What to the Slave Is the Fourth of July?” by Frederick Douglass, speeches, court documents, and scientific articles to explore textual evidence, central ideas, inferences, word choice, figurative language, spelling, hyphens, contested usage, figures of speech, and reference materials. Writing topics include a researched informational essay and a researched argument essay.

Grade: 11
Prerequisite(s):
English 11 First Semester

[Course Intro Video](#)

Second Semester:

English III (2 of 2) explores reading, writing, and analysis using both informational and literary texts. Readings include poetry and drama, such The Crucible by Arthur Miller to demonstrate literary elements of plot, setting, character, themes, and central ideas. Comparing works from different time periods, reviewing context and word nuances, and learning about punctuation, style manuals, phrases, clauses, and parallel structure to improve reading and writing skills. Writing topics include a fictional narrative and a literary analysis.

ENGLISH 11 HONORS

Grade: 11
Prerequisite(s):

First Semester:

English 11A examine seminal US documents ranging from Thomas Paine’s Common Sense through contemporary speeches by the President, among other texts to demonstrate knowledge of the use of rhetorical devices, inference, symbolism, bias, and the drawing of conclusions. The course focuses on argument and persuasion through formal speaking and writing.

Honors includes additional examples and practice for students.

Grade: 11
Prerequisite(s):
English 11 Honors First Semester

Second Semester:

English 11B explores American writers and the historical events that influenced their works. Reading selections include The Red Badge of Courage by Stephen Crane, works the following eras and influences: Transcendentalism, Romanticism, American Gothic, American Civil War, Regionalism, Realism, Naturalism, Imagist, Harlem Renaissance, and Modernism. The course emphasizes critical and analytical thinking as well as reading and writing skills.

Honors includes additional examples and practice for students.

Honors courses are usually reserved for students who excel in the subject matter.

SENIOR YEAR ENGLISH AT VALOR



COLLEGE-BOUND STUDENTS SHOULD CONSIDER ENGLISH AT EMCC

ENGLISH 12

Grade: 12
Prerequisite(s):

[Course Intro Video](#)

First Semester:

English IV (1 of 2) explores analysis of informational and argument texts. Readings include seminal US texts such as the Declaration of Independence, presidential speeches, court documents, and articles related to innovative technology to demonstrate rhetoric, figurative language, theme, purpose, specialized vocabulary, text structure, word nuances, inferences, research, evidence, and reference sources. In addition, students learn about context clues, contested usage, and syntax errors. Writings include a researched informational essay and a researched argument essay.

Grade: 12
Prerequisite(s):
English 12 First Semester

[Course Intro Video](#)

Second Semester:

English IV (2 of 2) analyzes narrative texts from British literature—from the Middle Ages through modern times. Demonstrated skills include explicit and implicit meanings, figurative language, literary devices, central ideas, themes, and narrative and structural elements. Writings include a fictional narrative in the style of Gothic Romanticism and a literary analysis comparing and contrasting two British literature texts of different eras.

ENGLISH 12 HONORS

Grade: 12
Prerequisite(s):

[Course Intro Video](#)

First Semester:

English 12A explores rhetoric using informational texts, including seminal US documents that shaped legal and social policy to examine reasoning including the chain of legal reasoning. Honors includes additional examples and practice for students.

Grade: 12
Prerequisite(s):
English 12 Honors First Semester

[Course Intro Video](#)

Second Semester:

"English 12B synthesizes knowledge and uses critical thinking to analyze narrative texts from British literature across different eras—from the Middle Ages through modern times. Students read *Frankenstein* by Mary Shelley along with works by British writers such as Shakespeare and Tolkien. These reading selections demonstrate concepts such as narrative elements and structures, literary devices such as symbolism and sarcasm, and inference. Topics include: vocabulary, context clues, word choice, and affixes. In addition, students write a fictional narrative and a literary analysis.

Honors includes additional examples and practice for students.

Honors courses are usually reserved for students who excel in the subject matter.

ALGEBRA 1

Grade: 9

Prerequisite(s):
Math 8

[Course Intro Video](#)

First Semester:

Algebra 1 (1 of 2) explores the application of properties to simplify expressions with exponents and radicals, relationships between rational and irrational numbers, solving linear equations and inequalities, applying knowledge of linear equations and inequalities to solve and graph systems of linear equations and inequalities, applying operations on polynomials, factoring quadratic expressions, and solving quadratic equations using different methods.

Grade 9

Prerequisite(s):
Algebra 1 First Semester

[Course Intro Video](#)

Second Semester:

Algebra 1 (2 of 2) explores the analysis of different types of functions presented as equations, graphs, tables, verbal descriptions, identifying key features applied to real-world problems, using key features to compare different types of functions, transformations of functions, statistics, interpreting and analyzing data sets, as well as causation and correlation.

ALGEBRA 1 HONORS

Grade: 9

Prerequisite(s):
Math 8

[Course Intro Video](#)

First Semester:

Algebra 1A explores algebraic problems and applies the knowledge to real-life situations. Topics included: linear inequalities, forms of linear equations, relate linear equations and functions, solve systems of equations and systems of inequalities, interpret solutions mathematically and contextually, statistics, measures of central tendency, relative frequencies, and scatter plots.

Honors includes additional examples and practice for students.

Grades 9

Prerequisite(s):
Algebra 1 Honors First Semester

[Course Intro Video](#)

Second Semester:

Algebra 1B explores functions by exploring new families of functions, the effect of different transformations, key features of their graphs, and how they compare functions represented in different ways. Additional topics included: polynomials on quadratics, quadratic equations and their graphs, various methods of factoring and solving quadratic equations, exponential growth and decay, and how linear, quadratic, and exponential functions compare to one another.

Honors includes additional examples and practice for students.

Honors courses are usually reserved for students who excel in the subject matter.



GEOMETRY

Grade 10

Prerequisite(s):
Algebra 1

[Course Intro Video](#)

First Semester:

Geometry (1 of 2) explores writing formal proofs and constructing geometric figures. Topics included: transformations to explain the concepts of congruent and similar figures with a focus on the properties of congruent and similar triangles. Properties are proved with postulates, theorems, and formal proofs, as well as trigonometric ratios and their applications to real-world situations.

Grade 10

Prerequisite(s):
Geometry First Semester

[Course Intro Video](#)

Second Semester:

Geometry (2 of 2) explores writing formal proofs and constructing geometric figures. Topics included: slopes, midpoints, distance formula with a focus on their applications in coordinate proofs, theorems about circles as well as concepts related to circles, and two- and three-dimensional figures and probability.

GEOMETRY HONORS

Grade 10

Prerequisite(s):

[Course Intro Video](#)

First Semester:

Geometry A examines congruence, proofs, and constructions to prove statements about lines, angles, triangles, and quadrilaterals; applies the knowledge of transformations to learn a formal definition for similarity to write proofs, introduces trigonometry through its connection to the concept of similarity, derive and use formulas for the areas and volumes of two- and three-dimensional figures, and they investigate cross sections and solids of revolutions.

Grade 10

Prerequisite(s):
Geometry Honors First Semester

[Course Intro Video](#)

Second Semester:

Geometry B explores the Pythagorean theorem, distance formula, midpoint formula, and slope formula to solve geometric problems and develop coordinate proofs. Topics included: understand and apply theorems about circles to find arc lengths and areas of sectors of circles; apply the distance formula to write equations of circles in the coordinate system; and understand the concepts of permutations and combinations to explore the concept of probability.

Honors courses are usually reserved for students who excel in the subject matter.



ALGEBRA 2

Grades 11

Prerequisite(s):
Algebra 1 & Geometry

[Course Intro Video](#)

First Semester:

Algebra 2 (1 of 2) explores solving quadratic equations with complex solutions and performs operations on polynomials, uses polynomial identities to solve problems, analyzes polynomial functions using different representations, and solves polynomial equations graphically, works with rational functions, and performing arithmetic operations on rational functions to graph them.

Grade 11

Prerequisite(s): Algebra
2 First Semester

[Course Intro Video](#)

Second Semester:

Algebra 2 (2 of 2) explores radical equations, rewriting expressions involving radicals, and graphing and solve radical equations. Concepts of trigonometry include ratios and using the unit circle to understand them, graph sine, cosine, and tangent functions, and explore key features to prove and apply trigonometric identities.

ALGEBRA 2 HONORS

Grade 11

Prerequisite(s):

[Course Intro Video](#)

First Semester:

Algebra 2A explores polynomial, rational, radical, and trigonometric functions, solving equations, including quadratic equations over the complex numbers, as well as rational and radical equations.

Grade 11

Prerequisite(s):
Algebra 2 Honors First Semester

[Course Intro Video](#)

Second Semester:

Algebra 2B explores modeling real-life situations with equations and inequalities, solving exponential equations with logarithms, and synthesizing and generalizing a variety of functions families, how to make probability decisions and how to use statistics and sampling processes to understand data sets and answer questions about samples and populations.

Honors courses are usually reserved for students who excel in the subject matter.



COLLEGE-BOUND STUDENTS SHOULD CONSIDER MATH AT EMCC

FINANCIAL MATHEMATICS



Grade 12

[Course Intro Video](#)

Financial Mathematics (1 of 1) investigates how to solve real-life problems, analyze current financial issues of taxes, loans, car leases, mortgages, and insurance. Mathematical processes are used to study patterns and analyze data, algebraic formulas, graphs, and amortization modeling.

APPLIED MATHEMATICS



Grade 12

[Course Intro Video](#)

Applied Mathematics (1 of 1) examines how artists, video game developers, and musicians apply mathematical concepts to create, and how biologists use mathematics to measure the distances between cells and gain new insights about the body by applying concepts from geometry, functions, probability, and statistics.

WORLD HISTORY

Grade 9
Prerequisite(s):
None
[Course Intro Video](#)

First Semester:

World History (1 of 2) explores key events and historical developments from hunter-gatherer societies to the Industrial Revolution. Beginning with the analysis of prehistoric people from the Paleolithic era to the Agricultural Revolution, the course follows the rise and fall of early empires including the Roman Empire. Topics included: The Crusades, feudalism, the plague, Asian empires and trade routes, effects of the Renaissance and Protestant Reformation, and important revolutions that shaped history.

Grades 9
Prerequisite(s):
World History First Semester
[Course Intro Video](#)

Second Semester:

World History (2 of 2) traces the developments of the last 250 years by examining the origins of modern Western imperialism and analyzing the cultural, economic, and political impacts on Africa and Asia. Topics include: the influence of the Industrial Revolution, the impact of imperialism and nationalism on World War I, how the Treaty of Versailles contributed to the rise of fascism in Europe and the start of World War II, 20th-century warfare, the Armenian Genocide, and the Holocaust.

WORLD HISTORY HONORS

Grade 9
Prerequisite(s):
[Course Intro Video](#)

First Semester:

World History (1 of 2) explores the key events and global historical developments from hunter-gatherer societies to the Industrial Revolution. From the Paleolithic era and the Agricultural Revolution, students follow the rise and fall of early empires including Rome, and Asian empires. Topics included: exploration of the impact of the Renaissance, Protestant Reformation, Age of Exploration, and the American colonies, analysis of important revolutions in history, including the Scientific, American, and Industrial.

Honors includes additional examples and practice for students.

Grade 9
Prerequisite(s):
World History Honors First Semester
[Course Intro Video](#)

Second Semester:

World History (2 of 2) examines revolutions in the world and the establishment of European colonies around the globe by tracing the effects of imperialism and nationalism, eventually resulting World War I and II and the Cold War. Topics included: analyzing modern-day issues including social media, globalization, and technological advances and threats associated with them.

Honors includes additional examples and practice for students.



US HISTORY

Grades: 10

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

US History (1 of 2) explores European exploration and the impact Europeans had on the lives of those native to North America. Topics included: the development of the English colonies in North America, causes and effects of the American Revolution, the ratification of the Constitution, causes of the War of 1812, analysis of sectionalism as a common thread, westward expansion, Civil War, and Reconstruction, Indian Wars, immigration, and the Second Industrial Revolution.

Grades: 10

Prerequisite(s):
US History First Semester

[Course Intro Video](#)

Second Semester:

US History (2 of 2) traces pivotal events in American history and presidential administrations as the 21st century dawns. Topic included: The Gilded Age, Progressive Era, World War I, the Roaring Twenties, Great Depression, New Deal, World War II, the Cold War, and proxy conflicts like the Vietnam War and Korean War, technology innovations, global communications, and the rise of terrorism.

US HISTORY HONORS

Grade 10

Prerequisite(s):

[Course Intro Video](#)

First Semester:

US History (1 of 2) explores European exploration and the impact Europeans had on the lives of those native to North America. Topics included: the development of the English colonies in North America, causes and effects of the American Revolution, the ratification of the Constitution, the causes of the War of 1812, analysis of sectionalism as a common thread, westward expansion, Civil War, and Reconstruction, Indian Wars, immigration, and the Second Industrial Revolution.

Honors includes additional examples and practice for students.

Grade 10

Prerequisite(s):
US History Honors First Semester

[Course Intro Video](#)

Second Semester:

US History (2 of 2) traces pivotal events in American history and presidential administrations as the 21st century dawns. Topic included: The Gilded Age, Progressive Era, World War I, the Roaring Twenties, Great Depression, New Deal, World War II, the Cold War, and proxy conflicts like the Vietnam War and Korean War, technology innovations, global communications, and the rise of terrorism.

Honors includes additional examples and practice for students.

Honors courses are usually reserved for students who excel in the subject matter.



US GOVERNMENT



Grades 11

Prerequisite(s):
None

[Course Intro Video](#)

US Government (1 of 1) examines the history and philosophy of the United States government and the guiding principles of democracy. Topics included: analysis of the United States Constitution, functions and duties of the three branches of government, the role of the Supreme Court, civic engagement in political process, the rights and responsibilities of citizens, government systems of the world, political parties, interest groups, and the media in shaping the government.

US GOVERNMENT HONORS



Grade 11

Prerequisite(s):

[Course Intro Video](#)

Civics: Government examines early political ideas that led to the development of the United States government, and the various smaller governments that operate within the United States provides insights of local, state, and national levels of government. By examining how the United States interacts with the world regarding trade, immigration, and global conflicts, students discover how civic engagement influences the government.

ECONOMICS



Grade 11

Prerequisite(s):
None

[Course Intro Video](#)

Economics (1 of 1) explores principles to make informed decisions about personal finance, develop a broader understanding of national and international economic decisions and policies. Topics included: why economics impacts history, distribution of wealth, and quality of life for all members of society.

Honors courses are usually reserved for students who excel in the subject matter.

PHYSICAL SCIENCE

Grade 9
Prerequisite(s):
None

First Semester:

Physical Science (1 of 2) examines science as a whole and leads to how methods and tools provide scientists meaningful results. Topics included: chemistry to interpret chemical names, formulas, equations, and models to discover the types and properties of reactions and nuclear reactions and their uses, historical perspectives, and the social impacts.

Grade 9
Prerequisite(s):
Physical Science First Semester
[Course Intro Video](#)

Second Semester:

Physical Science (2 of 2) explores physics, introduces topics in engineering, and the ways scientists think, communicate, and do their jobs. The topics of motion and force, including the motion of fluids and Newton's law build a foundation to explore thermodynamics, energy, work, machines, waves, electricity, and magnetism.

HONORS PHYSICAL SCIENCE

Grade 9
Prerequisite(s):

First Semester:

Physical Science (1 of 2) examines science as a whole and leads to how methods and tools provide scientists meaningful results. Topics included: chemistry to interpret chemical names, formulas, equations, and models to discover the types and properties of reactions and nuclear reactions and their uses, historical perspectives, and the social impacts.

Grade 9
Prerequisite(s):
Physical Science First Semester
[Course Intro Video](#)

Second Semester:

Physical Science (2 of 2) explores physics, introduces topics in engineering, and the ways scientists think, communicate, and do their jobs. The topics of motion and force, including the motion of fluids and Newton's law build a foundation to explore thermodynamics, energy, work, machines, waves, electricity, and magnetism.

Honors includes additional examples and practice for students.



BIOLOGY

Grade 10
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Biology (1 of 2) examines the basics of biochemistry and how it helps understand biological systems on Earth. Using logical thinking to identify relationships and draw conclusions, the course expands out from the building blocks of biochemistry to individual cells and cell membranes to understand cell division, reproduction, cell energy and metabolism, and photosynthesis.

Grade 10
Prerequisite(s):
Biology First Semester

[Course Intro Video](#)

Second Semester:

Biology (2 of 2) examines the basics of genetics, natural selection, ecology, model how matter and energy flow through ecosystems, and the technology to see the larger context and implications. Topics included: biological research topics of ethical guidelines in new biotechnology.

BIOLOGY HONORS

Grade 10
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Biology (1 of 2) examines life at the cellular level by understanding how the scientific method is used by scientists to investigate questions and present their findings. Topics include chemical make up and size of cells, cell structure, the flow of energy, and how traits are inherited.

Grade 10
Prerequisite(s):
Biology Honors First Semester

[Course Intro Video](#)

Second Semester:

Biology (2 of 2) examines life on Earth from a big picture perspective by exploring the evolution of species and history of life on Earth. Topics included: living organisms from microorganisms to plants and animals, the human body systems, ecology, and how humans interact with the environment. Historical perspectives and societal impact of biology are included in each lesson.

Honors courses are usually reserved for students who excel in the subject matter.

COLLEGE-BOUND STUDENTS WHO ARE PLANNING ON STUDYING SCIENCE SHOULD CONSIDER CHEMISTRY AT EMCC

(SEE MATH PREREQUISITS AT EMCC TO TAKE CHEMISTRY)

CHEMISTRY

Grades: 11
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Chemistry (1 of 2) examines basic principles and properties of matter to see its everyday uses. Topics included: atomic models, predicting chemical reactions to see how scientists can engineer them to solve problems.

Grade 11
Prerequisite(s):
Chemistry First Semester

[Course Intro Video](#)

Second Semester:

Chemistry (2 of 2) examines basic principles and properties of matter to see its everyday uses. Topics included: atomic models, predicting chemical reactions to see how scientists can engineer them to solve problems.

CHEMISTRY HONORS

Grade 11
Prerequisite(s):

[Course Intro Video](#)

First Semester:

Chemistry (1 of 2) examines basic principles and properties of matter to see its everyday uses. Topics include atomic models, predicting chemical reactions to see how scientists can engineer them to solve problems. The honors course offers additional examples and practice.

Grade 11
Prerequisite(s):
Chemistry Honors First Semester

[Course Intro Video](#)

Second Semester:

Chemistry (2 of 2) culminates in the ability to evaluate the ethical and social implications of chemistry-related technologies. Topics included: matter, types of bonds and forces that hold atoms and molecules together, states of matter, phase changes, gas laws, solutions, thermodynamics and kinetics of chemical reactions, chemical equilibrium and electrochemistry, radiation and the difference between nuclear fission and fusion. The honors course offers additional examples and practice.

Honors courses are usually reserved for students who excel in the subject matter.

ADOBE® ILLUSTRATOR® CERTIFICATION



Grades: 9-12

Prerequisite(s):
None

Students must have access to the Adobe Illustrator to successfully complete this course

This course introduces students to the Adobe Illustrator and prepares students to take the ACA Certification Exam on Illustrator. Students will get an insight into what it is like working in the graphic design industry. Students will learn everything from absolute basics like navigating Illustrator to performing complex tasks like managing colors, drawing, creating illustrations, and much more. The course contains guided video tutorials, hands-on projects, and step-by-step resources that help students learn how to work in Illustrator.

Adobe® Illustrator®, Adobe® InDesign®, and Adobe® Photoshop® are either registered trademarks or trademarks of Adobe in the United States and/or other countries.

ADOBE® INDESIGN® CERTIFICATION



Grades: 9-12

Prerequisite(s):
None

Students must have access to the Adobe InDesign to successfully complete this course

This course introduces students to the world of Adobe InDesign and prepares students to take the ACA Certification Exam on InDesign. Students will get an insight into what it is like working in the print and digital media publishing industry. Over 10 modules, students will learn everything from absolute basics like navigating InDesign to performing complex tasks like creating multi-page documents, applying effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in InDesign.

Adobe® Illustrator®, Adobe® InDesign®, and Adobe® Photoshop® are either registered trademarks or trademarks of Adobe in the United States and/or other countries.

ADOBE® PHOTOSHOP® CERTIFICATION



Grades: 9-12

Prerequisite(s):
None

Students must have access to the Adobe Photoshop to successfully complete this course

This course prepares students to demonstrate expertise in Adobe's Photoshop software and take the ACA Certification Exam on Photoshop. Students will learn through engaging and interactive content, projects and practice exam items aligned to the learning objectives outlined by Adobe's exam specifications. Students will leave this course with career-ready, real-time skills in one of the most popular software programs in the world!

Adobe® Illustrator®, Adobe® InDesign®, and Adobe® Photoshop® are either registered trademarks or trademarks of Adobe in the United States and/or other countries.



ACCOUNTING



Grades: 9-12
Prerequisite(s):
None

In this semester course, you will explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

ANATOMY

Grades: 9-12
Prerequisite(s):
None

The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.

ART HISTORY: ORIGINS THIS COURSE SATISFIES THE FINE ARTS REQUIREMENT



Grades: 9-12
Prerequisite(s):
None
[Course Intro Video](#)

Art History: Origins (1 of 1) explores art of the prehistoric, ancient, medieval, Renaissance and Rococo periods to understand how to read and interpret art.

**Given the subject matter, the course is extensively visual. Please also be aware that this course includes depictions of nudity, as many art movements celebrated the human form. Many important and influential works of art include nudity, and it would be nearly impossible to teach art history without including them.*

ART HISTORY: MODERN THIS COURSE SATISFIES THE FINE ARTS REQUIREMENT



Grades: 9-12
Prerequisite(s):
None
[Course Intro Video](#)

Art History: Modern (1 of 1) explores art of the late 1700s to modernity from Western movements in artworks and architecture to China, Japan, Africa, Oceania, Southeast Asia, India.

**Given the subject matter, the course is extensively visual. Please also be aware that this course includes depictions of nudity, as many art movements celebrated the human form. Many important and influential works of art include nudity, and it would be nearly impossible to teach art history without including them.*



BUSINESS LAW



Grades: 9-12
Prerequisite(s):
None

Students learn about the American legal system. They examine ethics, court systems, criminal law, and law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.

CAREER PLANNING



Grades: 9-12
Prerequisite(s):
None

The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

CHARACTER EDUCATION



Grades: 6-12
Prerequisite(s):
None
[Course Intro Video](#)

Character Education (1 of 1) explores values of truthfulness, trustworthiness, responsibility, diligence, and integrity. The course offers specific, real world situations to interpret and connect to these traits to provide safe and appropriate ways to respond in real time. Topics included: identifying bullying, how to develop a bullying-prevention mindset.

CRIMINOLOGY & FORENSICS



Grades: 9-12
Prerequisite(s):
None

Course Intro Video - Coming Soon

Criminology and Forensics (1 of 1) is a beginner level course on the topics of crime and forensic procedures exploring topics on crime and criminology, witnesses and perpetrators, and the crime lab.



CRIMINOLOGY & JUSTICE



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video - Coming Soon](#)

Criminology and Justice (1 of 1) is a beginner-level course on criminal procedures that explores the criminal justice system, non-forensic evidence, and what happens inside the courtroom. It is an introduction to the Public Services.

DRONES: REMOTE PILOT CERTIFICATION



Grades: 9-12

Prerequisite(s):
None

This course prepares students to take the Federal Aviation Administration's Part 107 exam, which is essential to becoming a commercial drone pilot. The field of unmanned aerial vehicles is growing rapidly, as the opportunities to use them for search and rescue, photography, recreation, inspection, and many others continue to multiply. Students will learn the critical facts to prepare for the test's topics, which include: regulations, airspace & requirements, weather, loading & performance, and operations. The course will conclude with a look at the most promising careers in the field of drones.

ENTREPRENEURSHIP



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Entrepreneurship explores entrepreneurial characteristics, business leadership, and the skills and steps involved in marketing, developing, starting, and exiting a business. Key topics and activities include hands-on projects to apply the knowledge as a small business owner and entrepreneur. The course is aligned to the Marketing, Sales, and Services .

FASHION DESIGN

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Fashion Design (1 of 2) explores the tools and principles of fashion design. Topics included: the use of color, creation of an inspiration board, fabrics and materials, and tools and machines used by fashion designers.

Second Semester:

Fashion Design (2 of 2) explores the skills and education required in the fashion industry. Topics included: the range of jobs in the industry, skills for success, such as interviewing, workplace communication, and teamwork.

Grades: 9-12

Prerequisite(s):
Fashion Design First Semester

[Course Intro Video](#)



GAMING UNLOCKED



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Gaming Unlocked (1 of 1) researches the basics of gaming, from what makes games fun to what makes them work by exploring quality in a variety of games such as mental games, board games, and video games.

This course does *not* require students to know or learn a programming language. The emphasis is on the history and design of games and the different careers available in the gaming industry.

GRAPHIC & WEB DESIGN THIS COURSE SATISFIES THE FINE ARTS REQUIREMENT



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Graphic and Web Design (1 of 1) explores visual communication and explores the range of careers in the field. Topics included: principles of design, ethics of creative fields, and the publishing process.

INTERIOR DESIGN

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Interior Design (1 of 2) explores the principles and elements of design. Topics included: skills, roles and responsibilities of interior designers, specialties of interior design, history of design, design materials, furniture, accessories, and modern developments affecting interior design, such as the Americans with Disabilities Act (ADA), universal design, and green design.

Grades: 9-12

Prerequisite(s):
Interior Design First Semester

[Course Intro Video](#)

Second Semester:

Interior Design (2 of 2) explores career options in residential, commercial, and mobile design, getting credentialed, and networking in professional organizations. Topics included: leadership, group dynamics, codes of ethics; lighting, windows, walls, furniture, accessories, textiles, and floor treatments in residential and commercial designs as well as related information on materials, fabrication, and installation; review of the elements and principles of design, the Americans with Disabilities Act (ADA), and universal design.

INTRO TO BUSINESS



Grades: 9-12

Prerequisite(s):
None

This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.



JOURNALISM



Grades: 9-12
Prerequisite(s):
None

This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond. We will read a variety of journalistic material and do a great deal of news writing. We will also look at journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group project will also be a part of this class. This course is a project based course and does not include traditional tests, unit level understanding is assessed through unit projects.

PHOTOGRAPHY BASICS **THIS COURSE SATISFIES THE FINE ARTS REQUIREMENT**



Grades: 9-12
Prerequisite(s):
None
[Course Intro Video](#)

Photography Basics (1 of 1) explores proper use of photography equipment, how to build a portfolio of work, and describes the steps to starting a career in this field. Topics included: the habits and etiquette of the profession.

**Photography equipment is not needed. Practice is offered through digital simulations.*

PHYSIOLOGY 1

Grades: 9-12
Prerequisite(s):
None

The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.

PHYSIOLOGY 2

Grades: 9-12
Prerequisite(s):
None

The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.



PRINCIPLES OF MARKETING



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Principles of Marketing (1 of 1) explores the interactions between businesses, consumers, and the economy as well as the role of marketing and how marketers get their information. The course culminates in the creation of a marketing plan.

PROFESSIONAL SALES



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Professional Sales (1 of 1) explores the role sales plays in the national economy, the importance of ethical behavior in business. Topics included: how to build, train, motivate, and evaluate a sales team; the role of buying motives; the selling process; and the importance of data. The course is aligned to the Marketing, Sales, and Services.

PSYCHOLOGY

**This course may be taken as a full year, or just (1 of 2) for a semester course.*

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Psychology (1 of 2) explores human behavior, behavior interaction and the progressive development of individuals. Topics included: major theories and orientations of psychology, psychological methodology, human growth and development, individual variation and personality, psychobiology, as well as sensation and perception.

Grades: 9-12

Prerequisite(s):
Psychology First Semester

[Course Intro Video](#)

Second Semester:

Psychology (2 of 2) explores human social interactions, psychological therapies, and careers in the field. Topics included: psychological perspectives, positive relationships, social and cultural diversity, language structures, memory and cognition, psychological testing, statistical research, stress/coping strategies, and mental health.

PUBLIC SPEAKING



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Public Speaking (1 of 1) explores effective communication skills for success in a variety of speaking situations. Topics include: small and large group discussions, delivery speeches in front of audiences, research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.



SOCIOLOGY



Grades: 9-12

Prerequisite(s):
None

Sociology examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective.

WORLD GEOGRAPHY

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

World Geography (1 of 2) explores the five themes of geography, analyzes the earth's processes, and how the processes impact both physical and human geography. Both physical and political maps are studied to examine trends and impacts with a focus on the Americas, Central Asia, and Europe.

Grades: 9-12

Prerequisite(s):
World Geography First Semester

[Course Intro Video](#)

Second Semester:

World Geography (2 of 2) continues the exploration of the five themes of geography with a focus on the Middle East, Africa, and Asia. Cultural beliefs and social and political systems are examined within the context of countries, regions, and global interactions.

HEALTH 101



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Health 101 explores how behavioral choices, such as nutrition and physical activity, affect health, then provides information to make healthy choices. Topics included: nutrition and physical activity; growth, development, and sexual health; safety and injury prevention; alcohol, tobacco, and other drugs; mental, emotional, and social health; and personal and community health.

PHYSICAL EDUCATION 1

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Physical Education 1A (1 of 1) examines the importance of physical activity, personal fitness, and healthy eating habits. Topics included: useful techniques and different aspects of sport and recreation, a personal fitness evaluation, the design of a personal exercise plan and tracking of results.

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Physical Education 1B (1 of 2) explores key concepts that lead to improved fitness, wellness, and overall health. Topics included: description of the human body, including anatomy, physiology, and nutrition; practical applications, such as metabolism manipulation, correct exercise form, and effective programming for personal health goals.



PERSONAL FITNESS

Grades: 9-12

Prerequisite(s):
Physical Education 1

[Course Intro Video](#)

Personal Fitness A (1 of 1) explores key concepts from combative sports, gymnastics and tumbling, and a variety of team sports and activities. The focus is on advanced fitness guidelines and cognitive factors that affect performance. Topics included: motor skill development, game strategy, self-evaluation of fitness, setting goals, designing an exercise plan, and tracking results.

Grades: 9-12

Prerequisite(s):
Physical Education 1

[Course Intro Video](#)

Personal Fitness B (1 of 2) explores how to develop personalized physical fitness plans while completing physical activities throughout the course. Topics included: how to assess fitness levels, modify fitness goals, evaluate fitness products and programs, leadership, and progress tracking in a daily physical activity log.

SPANISH 1

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Spanish 1 (1 of 2) introduces the basics of the Spanish language by learning through reading, writing, listening, and speaking about personal interests and hobbies, asking for directions, and how to discuss activities with friends using vocabulary associated with restaurants, traveling, vacations. The course also explores cultures of some Spanish-speaking countries, such as Mexico, Colombia, Argentina, Spain, and Peru.

Grades: 9-12

Prerequisite(s):
Spanish 1 First Semester

[Course Intro Video](#)

Second Semester:

Spanish 1 (2 of 2) explores how to discuss school subjects, professions, and daily routines, as well as illness and injury, shopping, and money through reading, writing, listening, and speaking. The course also explores cultures of some Spanish-speaking countries, such as Venezuela, Chile, Ecuador, Guatemala, and Cuba.

SPANISH 2

Grades: 9-12

Prerequisite(s):
Spanish 1

[Course Intro Video](#)

First Semester:

Spanish 2 (1 of 2) introduces the basics of the Spanish language by learning through reading, writing, listening, and speaking about personal interests and hobbies, asking for directions, and discussing activities with friends using vocabulary associated with restaurants, traveling, vacations. The course also explores cultures of some Spanish-speaking countries, such as Mexico, Colombia, Argentina, Spain, and Peru.

Grades: 9-12

Prerequisite(s):
Spanish 2 First Semester

[Course Intro Video](#)

Second Semester:

Spanish 2 (2 of 2) continues to build reading, writing, listening, and speaking skills in order to discuss transportation, extracurricular interests, professions, cuisine, clothing, health, and technology. Topics included: present, past, future, and conditional tenses, present subjunctive mood, explores cultures of some Spanish-speaking countries, such as the Dominican Republic, Equatorial Guinea, Honduras, Uruguay, and Panama.

SPANISH 3

Grades: 9-12

Prerequisite(s):
Spanish 2

[Course Intro Video](#)

First Semester:

Spanish 3 (1 of 2) builds reading and writing of informative, argumentative, and descriptive texts, listening, and speaking skills using the indicative subjunctive, and imperative moods. The course also explores significant historical events of some Spanish-speaking countries, as well as cultural products, practices, and philosophies.

Grades: 9-12

Prerequisite(s):
Spanish 3 First Semester

[Course Intro Video](#)

Second Semester:

Spanish 3 (2 of 2) continues acquiring the Spanish language through reading poems and short stories by notable Spanish-language authors. The continuation of writing, listening, and speaking includes exploring behavioral norms in different Spanish-speaking cultures, in order to discuss these topics in the indicative and subjunctive moods in a variety of tenses.



AMERICAN SIGN LANGUAGE 1

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

American Sign Language 1 (1 of 2) provides an introduction to American Sign Language (ASL). The course provides guidance in how to communicate with ASL across a variety of basic subjects, including greetings and introductions, information sharing, personal characteristics, family, travelling, and living spaces. The course also explores details about Deaf culture, the history of ASL, and the general rules and concepts needed for communicating effectively through sign language, including fingerspelling and signing parameters.

Grades: 9-12

Prerequisite(s):
None

Course Intro Video Coming Soon!

Second Semester:

American Sign Language 1 (2 of 2) continues to explore introductory concepts in American Sign Language (ASL). The course builds on the first half to guide students in how to communicate on a variety of basic subjects, including with food items, directions, store interactions, job roles, health topics, and plans built around schedules and times. The course also highlights more details about Deaf culture, the history of ASL, and the general rules and concepts needed for communicating effectively through sign language, including classifiers and specific grammar rules.

AMERICAN SIGN LANGUAGE 2

Grades: 9-12

Prerequisite(s):
None

Course Intro Video Coming Soon!

First Semester:

American Sign Language 2 (1 of 2) explores intermediate concepts related to Deaf culture and American Sign Language (ASL). The course begins with a review of cultural facts and ASL rules and concepts from American Sign Language 1. New topics that follow include major milestones and famous figures in Deaf cultural history, appropriate etiquette and behaviors in Deaf interactions, ASL literature and performances, and different language styles and skills among Deaf communities, among others. Projects throughout the course will assess knowledge of signing vocabulary and mastery of proper signing form.

Grades: 9-12

Prerequisite(s):
None

Course Intro Video Coming Soon!

Second Semester:

American Sign Language 2 (2 of 2) description coming soon!

ENGLISH 6

Grade: 6

Prerequisite(s):
Skills/concepts covered in
5th grade English Language Arts

[Course Intro Video](#)

First Semester:

English 6 (1 of 2) analyzes informational texts, including biographies, primary documents, instructional documents, film reviews, and persuasive letters. Reading selections include the novel *The Road* by Jack London and informational texts on topics such as the science behind sunsets, the lives of important historical figures, the history of the Olympics, and the process of flotation used by archaeologists. Reading selections demonstrate concepts such as explicit and implicit information, central ideas and key details, and claims and arguments.

Grade: 6

Prerequisite(s):
English 6 First Semester

[Course Intro Video](#)

Second Semester:

English 6 (2 of 2) explores literary texts from various genres, including novels, short stories, poems, and plays. Readings include *The Wonderful Wizard of Oz* by L. Frank Baum, excerpts from *Little Women* and *The Adventures of Tom Sawyer*, and poetry by Robert Louis Stevenson, Robert Frost, and Carl Sandburg as well multimedia readings of several videos of famous poems to demonstrate explicit and implicit information, theme, characters, plot, poetic techniques, and figurative language.

Honors courses are usually reserved for students who excel in the subject matter.



ENGLISH 7

Grade: 7

Prerequisite(s):
English 6 or equivalent
6th grade English Language Arts

[Course Intro Video](#)

First Semester:

English 7 (1 of 2) explores informational texts, including biographies, personal accounts of events, presidential speeches, persuasive letters, and differences between types of musical genres. Readings include texts about historical figures such as *The Story of My Life* by Helen Keller, Jane Goodall, and Zora Neale Hurston to demonstrate concepts such as explicit and implicit information, central ideas and key details, and claims and arguments.

Grade: 7

Prerequisite(s):
English 7 First Semester

[Course Intro Video](#)

Second Semester:

English 7 (2 of 2) analyzes literary texts from novels, short stories, fairy tales, poems, and plays. Readings include *Alice's Adventures in Wonderland* by Lewis Carroll, excerpts from *Black Beauty*, and poetry by Emily Dickinson, Robert Frost, William Wordsworth to demonstrate concepts such as comparing how written texts are portrayed in film or audio and ways to understand explicit and implicit information, theme, characters, plot, poetic and dramatic techniques, and figurative language.

Honors courses are usually reserved for students who excel in the subject matter.



ENGLISH 8

Grade: 8

Prerequisite(s):
English 7 or equivalent
7th grade English Language Arts

[Course Intro Video](#)

First Semester:

English 8 (1 of 2) explores analysis of literary and informational texts, including novels, short stories, myths, poems, magazine articles, and autobiographies. Readings include *The Call of the Wild*, short stories such as “The Lottery” and “The Tell-Tale Heart,” and infographics and videos to demonstrate concepts such as explicit and implicit information, theme, central idea, figurative language, grammar, usage, and punctuation. Writings include the planning, creating, writing, revising, and editing of a fictional narrative.

Grade: 8

Prerequisite(s):
English 8 First Semester

[Course Intro Video](#)

Second Semester:

English 8 (2 of 2) explores literary and informational texts, including novels, short stories, poems, articles, and political speeches. Readings include excerpts from the novels *Fahrenheit 451*, *Hatchet*, and *Black Beauty*, informational texts about topics such as global warming, fast food, the widespread presence of corn in food, and how sleep affects learning ability, infographics and videos to demonstrate concepts such as explicit and implicit information, theme, central idea, figurative language, grammar, usage, punctuation. Writings include informational and argument.

MATH 6

Grade: 6

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Math 6 (1 of 2) builds on previously learned concepts such as adding, subtracting, multiplying, and dividing and deepening knowledge of arithmetic with fractions, decimals, and negative numbers to solve real-world problems. Topics included: ratios, unit conversions, geometry, and working with equations.

Grade: 6

Prerequisite(s):
Math 6 First Semester

[Course Intro Video](#)

Second Semester:

Math 6 (2 of 2) builds on previously learned concepts such as adding, subtracting, multiplying, and dividing and deepening knowledge of arithmetic with fractions, decimals, and negative numbers to solve real-world problems. Topics included: ratios, unit conversions, geometry, and working with equations.

Honors courses are usually reserved for students who excel in the subject matter.



MATH 7

Grade: 7

Prerequisite(s):
Math 6

[Course Intro Video](#)

First Semester:

Math 7 (1 of 2) explores adding, subtracting, multiplying and dividing rational numbers by using analogies, number lines, rules, and properties. Topics include solving problems involving proportional relationships given in tables, diagrams, graphs, equations, and verbal descriptions. Geometry topics include solving problems involving scale drawings, circles, angle relationships, areas, volumes, three-dimensional shapes, and drawing geometric shapes.

Grade: 7

Prerequisite(s):
Math 7 First Semester

[Course Intro Video](#)

Second Semester:

Math 7 (2 of 2) explores subtracting and dividing rational numbers by using different methods to perform four operations. Topics included: interpreting proportional relationships and equivalent expressions, writing and solving linear equations and inequalities to solve real-world problems, comparing two data sets of random samples using their center values and variability measures to make conclusions about populations. Geometry topics include solving problems that involve the area, surface area, volume, and cross-sections of two- or three-dimensional objects.

Honors courses are usually reserved for students who excel in the subject matter.



MATH 8

Grade: 8

Prerequisite(s):
Math 7

[Course Intro Video](#)

First Semester:

Math 8 (1 of 2) explores rational and irrational numbers, solving linear equations from contextual situations, and analyzing properties of functions with a focus on linear functions.

Grade: 8

Prerequisite(s):
Math 8 First Semester

[Course Intro Video](#)

Second Semester:

Math 8 (2 of 2) explores multi-step equations and proportions, applies knowledge of proportional relationships to geometry to perform transformations on figures, and prove similarity of figures through a series of transformations. Topics included: analyzing linear relationships and functions, solving systems of linear equations using different methods, application of algebraic skills to statistics, analyze and interpret patterns in bivariate data, and finding volumes of circular three-dimensional objects.

SOCIAL STUDIES 6

Grade: 6

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Social Studies 6 (1 of 2) explores geographical, social, economic, and political foundations of early civilizations in Mesopotamia, Egypt, Ancient Israel, and India as they shift from nomadic societies to agricultural societies. The study of these civilizations includes the impact of geography, early history, cultural development, and economic change. The geographic focus includes the study of physical and political features, economic development and resources, and migration patterns.

Grade: 6

Prerequisite(s):
Social Studies 6 First Semester

[Course Intro Video](#)

Second Semester:

Social Studies 6 (2 of 2) explores the geographic, political, economic, and cultural development of ancient Greece, Rome, and China and applies historical thinking skills to understand implications of ancient literature, art, and philosophy on later Western culture. The course examines the birth and spread of Judaism, Christianity, Taoism, and Confucianism.

SOCIAL STUDIES 7

Grade: 7

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Social Studies 7 (1 of 2) explores the social, cultural, and technological developments occurring concurrently in Europe, Africa, and Asia in the years AD 500–1789. It also examines how archaeologists and historians uncover the past.

Grade: 7

Prerequisite(s):
Social Studies 7 First Semester

[Course Intro Video](#)

Second Semester:

Social Studies 7 (2 of 2) explores the growing economic interaction among civilizations during the Renaissance, Reformation, the Age of Exploration, and how the Enlightenment gave rise to democratic ideas that still resonate today. Topics included: the exchange of ideas, beliefs, technologies, and commodities inspire the Enlightenment philosophy and the interest in reason and authority, natural rights of human beings, the divine right of kings, experimentalism in science, and the dogma of belief.



SOCIAL STUDIES 8

Grade: 8

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Social Studies 8 (1 of 2) explores early American history from pre-Columbian era and closely examines the evolution from the British Colonies to the creation of the United States. A close look at the ideology of the framing documents and nature of the American republic set against the backdrop of the challenges of growth and sectional divisions and conflict.

Grade: 8

Prerequisite(s):
Social Studies 8 First Semester

[Course Intro Video](#)

Second Semester:

Social Studies 8 (2 of 2) explores westward expansion, early Spanish missions in western North America through to Reconstruction, the Second Industrial Revolution, and connects these events to how policies and cultures are shaped. Topics included: causes and effects of the Texas Revolution and the Mexican American War; the California gold rush; American Civil War, Indian Wars of the 19th Century.

SCIENCE 6

Grade: 6
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Science 6 (1 of 2) investigates the interaction between systems and what factors affect their growth, and the life cycles of plants and animals to find out how they reproduce plants and animals. Topics included: cells, the hierarchy of organization, covering tissues, organs, and organ systems.

Grade: 6
Prerequisite(s):
Science 6 First Semester

[Course Intro Video](#)

Second Semester:

Science 6 (2 of 2) explores topics through many creative and interactive assets, including virtual labs and review games to immerse students in 21st-century online learning. Topics included: energy and its transformation, matter, natural cycles, the effect of the sun on ocean and air currents, different types of pollution, and the effects of greenhouse gases on the Earth's climate.

SCIENCE 7

Grade: 7
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Science 7 (1 of 2) examines concepts from the fields of chemistry, biology, and ecology. The relationship between matter, energy, and chemical reactions is explored to understand cellular respiration and photosynthesis, while synthetic materials are analyzed to see how they impact society.

Grade: 7
Prerequisite(s):
Science 7 First Semester

[Course Intro Video](#)

Second Semester:

Science 7 (2 of 2) investigates concepts from ecology and geology to explore the interactions between and among organisms in an ecosystem. Topics covered include types of rocks, the rock cycle, and Earth's resources to explore how Earth's processes can lead to natural hazard events and severe weather, and then discover how technology can help during disasters, as well as other benefits of technology.



SCIENCE 8

Grade: 8

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Science 8 (1 of 2) examines life science concepts from biology, ecology, environmental sciences, and explores scientific process to investigate the questions of ecology and genetic technology.

Grade: 8

Prerequisite(s):
Science 8 First Semester

[Course Intro Video](#)

Second Semester:

Science 8 (2 of 2) examines physical science, such as physics and space science, and the history of science to highlight influential scientists.



DIGITAL ART AND DESIGN I

Grades: 6-8
Prerequisite(s):
one

Digital Art and Design I (1 of 1) introduces concepts and methods used in the creation of digital art. The course explores design principles, common applications of digital artwork, and techniques for brainstorming and developing an artistic idea. Topics include artistic mediums such as digital photography, 2D computer graphics, web design, and digital illustration, relevant tools, techniques, and skills of each medium. Supporting topics include meaning, audience, impact, and ethics in the creation and use of digital media. Course projects include the creation of a digital photograph and a web page.

DIGITAL ART AND DESIGN II

Grades: 6-8
Prerequisite(s):
None

Digital Art and Design II (1 of 1) explores digital art, how life relates to art, and how individual works of art are interpreted. Topics include design principles, types and common applications of digital artwork, and techniques for brainstorming and developing an artistic idea, artistic mediums (3D computer graphics, animation, digital video, and digital audio). Supporting topics include expression, purpose, meaning, ethics, testing, critique, improvement, presentation, and distribution in the creation and use of digital media. Course projects include the creation of a digital animation and a piece of digital audio.

CAREER EXPLORATIONS

Grades: 6-8
Prerequisite(s):
None

Career Explorations (1 of 1) provides instruction and practice about various topics in the world of work. These topics include jobs, careers, labor markets, traditional and nontraditional occupational roles, ethical and unethical behavior, educational pathways to careers, budgeting, communication in the workplace, and technology in the workplace. There is a short project on problem-solving skills as well as a project on searching for a job, preparing a resume and cover letter, and interviewing for a job.



INTRODUCTION TO CODING

Grades: 6-8
Prerequisite(s):
None

Introduction to Coding (1 of 2) introduces the basic syntax and logic of writing in JavaScript. Topics include: the three types of data: strings, numbers, and Boolean, and their variables; performing operations on variables; basic operations are followed by logic operations and control structures. The course concludes with using procedures to simplify repeated code.

Grades: 6-8
Prerequisite(s):
Introduction to Coding (1 of 2)

Introduction to Coding (2 of 2) builds on the basic JavaScript concepts from Introduction to Coding (1 of 2) as it explores troubleshooting, testing, and debugging of programs. Topics include: the practices of different types of code documentation, as well as giving and receiving feedback from both users and other developers. The process of solving complex problems is modeled from beginning to end as problems are broken down into smaller pieces and addressed through planning, coding, and putting the pieces together to solve the larger problem.

SCRATCH CODING



Grades: 6-8
Prerequisite(s):
None

[Course Intro Video Coming Soon!](#)

Scratch Coding (1 of 1) introduces the basics and logic of programming language in Scratch. Topics include introducing and using the different tools in Scratch; creating programs that include loops, variables, lists, or conditionals; and identifying and fixing errors in a program. The course concludes with putting the tools and concepts altogether to create a larger program.



KEYBOARDING



Grades: 6-8

Prerequisite(s):

None

The keyboarding course is appropriate for elementary and middle school students.

The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.



PHYSICAL EDUCATION



Grades: 6-8

Prerequisite(s):
None

[Course Intro Video](#)

Middle School Physical Education (1 of 1) explores the importance of physical activity. Topics include: sports and recreation, sportsmanship, leadership, and inclusivity, safety while being active, and developing lifelong healthy habits, such as daily activity.

SPANISH FOR YOUNG LEARNERS: GRADE 7

Grade: 7
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Spanish 7 (1 of 2) introduces the basics of the Spanish language by learning through reading, writing, listening, and speaking about personal interests and hobbies, asking for directions, and discovering the cultures of some Spanish-speaking countries, such as Mexico and Colombia.

Grade: 7
Prerequisite(s):
Spanish 7 First Semester

[Course Intro Video](#)

Second Semester:

Spanish 7 (2 of 2) explores how to discuss activities with friends, using vocabulary associated with restaurants, traveling, vacations, and exploring cultures of some Spanish-speaking countries, such as Argentina, Spain, and Peru.

SPANISH FOR YOUNG LEARNERS: GRADE 8

Grade: 8
Prerequisite(s):
Spanish 7

[Course Intro Video](#)

First Semester:

Spanish 8 (1 of 2) explores how to discuss school subjects, various professions, and daily routines through practice reading, writing, listening, and speaking. The course also explores cultures of some Spanish-speaking countries, such as Venezuela and Chile.

Grade: 8
Prerequisite(s):
Spanish 8 First Semester

[Course Intro Video](#)

Second Semester:

Spanish 8 (2 of 2) explores how to discuss illness and injury, shopping, and money through reading, writing, listening, and speaking. The course also explores cultures of some Spanish-speaking countries, such as Ecuador, Guatemala, and Cuba.