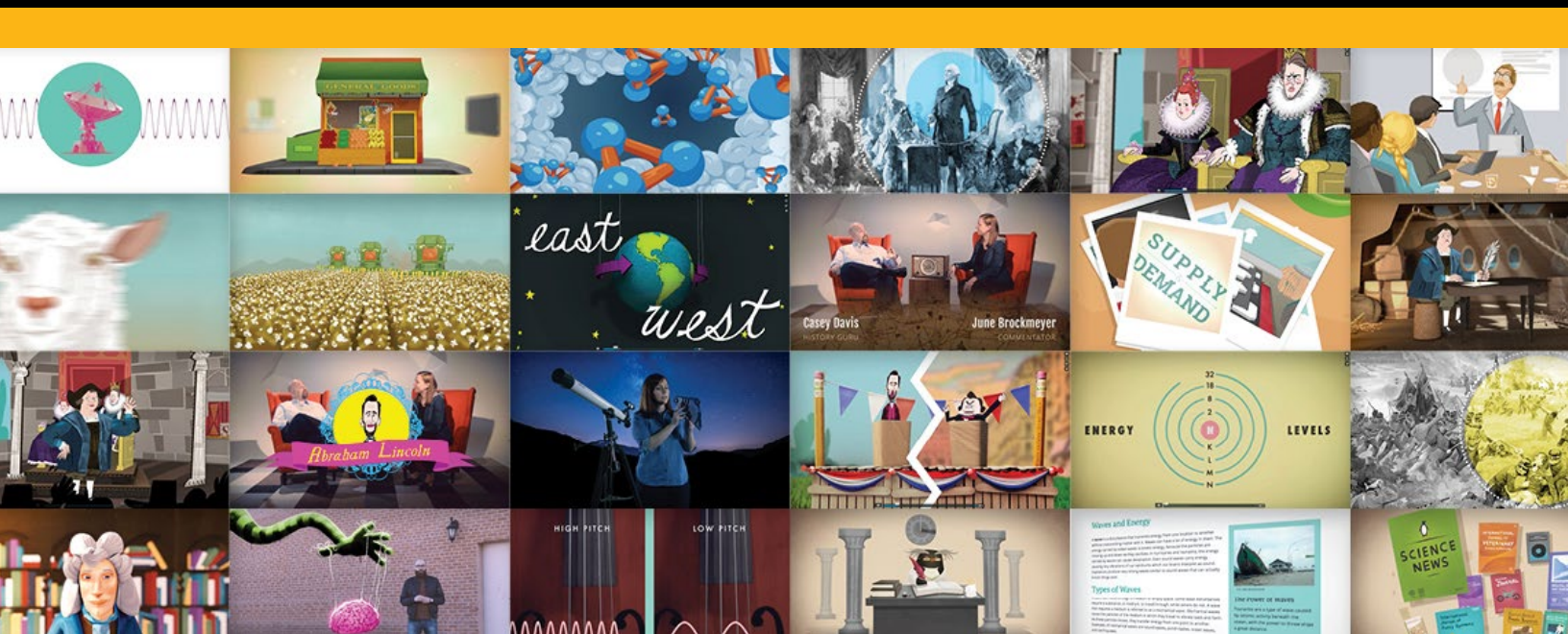


STRONGMINDSM

2020-2021 COURSE CATALOG



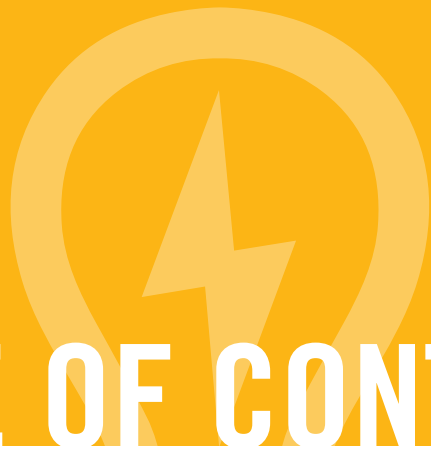


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ENGLISH 6

Grade: 6

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

[Course Intro Video](#)

First Semester:

Students analyze 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:

Students explore 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.

ENGLISH 6 HONORS



Grade: 6

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

[Course Intro Video](#)

First Semester:

Students analyze 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. Honors includes additional examples and practice for students.

Grade: 6

Prerequisite(s):
English 6 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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 includes additional examples and practice for students.

Honors courses refer to higher-level classes that proceed at a faster pace and cover more material than regular classes. Honors courses are usually reserved for talented high school students who excel in certain subjects.



ENGLISH 7

Grade: 7
Prerequisite(s):
English 6 or equivalent
6th grade English Language Arts

[Course Intro Video](#)

First Semester:

Students explore 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:

Students analyze 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.

ENGLISH 7 HONORS



Grade: 7
Prerequisite(s):
English 6 or equivalent
6th grade English Language Arts

[Course Intro Video](#)

First Semester:

Students explore 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. Honors includes additional examples and practice for students.

Grade: 7
Prerequisite(s):
English 7 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students analyze 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 includes additional examples and practice for students.

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ENGLISH 8

Grade: 8

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

[Course Intro Video](#)

First Semester:

Students explore 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:

Students explore 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.

ENGLISH 8 HONORS



Grade: 8

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

[Course Intro Video](#)

First Semester:

Students explore 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. Honors includes additional examples and practice for students.

Grade: 8

Prerequisite(s):
English 8 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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. Honors includes additional examples and practice for students.

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ENGLISH 9

Grade: 9
Prerequisite(s):
English 8 or equivalent
8th grade English Language Arts

[Course Intro Video](#)

First Semester:

Students explore 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.

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

[Course Intro Video](#)

Second Semester:

Students explore 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.

ENGLISH 9 HONORS



Grade: 9
Prerequisite(s):
English 8 or equivalent
8th grade English Language Arts

[Course Intro Video](#)

First Semester:

Students explore 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:

Students explore 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.

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ENGLISH 10

Grade: 10
Prerequisite(s):
English 9 or equivalent
9th grade English Language Arts

[Course Intro Video](#)

First Semester:

Students examine 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:

Students explore 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):
English 9 Honors or equivalent
9th grade English Language Arts

Course Intro Video - Coming Soon

First Semester:

Students investigate 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:

This semester 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.

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ENGLISH 11

Grade: 11

Prerequisite(s):
English 10 or equivalent
10th grade English Language Arts

[Course Intro Video](#)

First Semester:

Students examine 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:

Students explore 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):
English 10 Honors or equivalent
10th grade English Language Arts

[Course Intro Video - Coming Soon](#)

First Semester:

Students 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

[Course Intro Video - Coming Soon](#)

Second Semester:

Students explore 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.

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ENGLISH 12

Grade: 12
 Prerequisite(s):
 English 11 or equivalent
 11th grade English Language Arts
[Course Intro Video](#)

First Semester:

Students explore 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:

Students analyze 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):
 English 11 Honors or equivalent
 11th grade English Language Arts
[Course Intro Video](#)

First Semester:


Students explore rhetoric using informational texts, including seminal US documents that shaped legal and social policy to examine reasoning that includes 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:

Students synthesize knowledge and use 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. Topic 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.

INTENSIVE READING

 Grades: 6-8
 Prerequisite(s):
 None
[Course Intro Video](#)

This course explores foundational reading skills for middle-school students to remediate gaps in reading fluency, comprehension, vocabulary and vocabulary skills, grammar skills, and writing fluency through responses to a variety of literary and informational texts.

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MATH 6

Grade: 6
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students build 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 include: statistics, ratios, unit conversions, geometry, writing and evaluating expressions with variables and exponents, and working with equations.

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

[Course Intro Video](#)

Second Semester:

Students build on concepts such as positive and negative integers and fractions to learn about rational numbers and how to compare them. Topics include: finding the distance between points on the number line and in the coordinate plane, solving geometry problems, relationships between variables and how to represent them, ratios and unit rates, solving real-world problems, data and how to display and mathematically describe data.

MATH 6 HONORS



Grade: 6
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students build 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 include: statistics, ratios, unit conversions, geometry, writing and evaluating expressions with variables and exponents, and working with equations. Honors includes additional examples and practice for students.

Grade: 6
Prerequisite(s):
Math 6 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students build on concepts such as positive and negative integers and fractions to learn about rational numbers and how to compare them. Topics include: finding the distance between points on the number line and in the coordinate plane, solving geometry problems, relationships between variables and how to represent them, ratios and unit rates, solving real-world problems, data and how to display and mathematically describe data. Honors includes additional examples and practice for students.

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MATH 7

Grade: 7
Prerequisite(s):
Math 6
[Course Intro Video](#)

First Semester:

Students explore adding and multiplying rational numbers by using number lines, rules, and properties. Topics include how to solve problems by finding and comparing unit rates, writing expressions using properties, writing and solving simple linear equations using different methods, probability and statistics to interpret and calculate simple probabilities and learn about populations and samples. Geometry topics include solving problems involving scale drawings, circles, and angle relationships.

Grade: 7
Prerequisite(s):
Math 7 First Semester
[Course Intro Video](#)

Second Semester:

Students explore subtracting and dividing rational numbers by using different methods to perform four operations. Topics include: 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 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.

MATH 7 HONORS



Grade: 7
Prerequisite(s):
Math 6
[Course Intro Video](#)

First Semester:

Students explore adding and multiplying rational numbers by using number lines, rules, and properties. Topics include how to solve problems by finding and comparing unit rates, writing expressions using properties, writing and solving simple linear equations using different methods, probability and statistics to interpret and calculate simple probabilities and learn about populations and samples. Geometry topics include solving problems involving scale drawings, circles, and angle relationships. Honors includes additional examples and practice for students.

Grade: 7
Prerequisite(s):
Math 7 Honors First Semester
[Course Intro Video](#)

Second Semester:

Students explore 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 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 includes additional examples and practice for students.

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MATH 8

Grade: 8

Prerequisite(s):
Math 7

[Course Intro Video](#)

First Semester:

Students explore rational and irrational numbers, solving linear equations from contextual situations, and analyzing properties of functions with a focus on linear functions, and scientific notation. Geometric topics include rigid transformations on figures and proving congruence of figures through a series of rigid transformations.

Grade: 8

Prerequisite(s):
Math 8 First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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.

MATH 8 HONORS



Grade: 8

Prerequisite(s):
Math 7

[Course Intro Video](#)

First Semester:

Students explore rational and irrational numbers, solving linear equations from contextual situations, analyzing properties of functions with a focus on linear functions, and scientific notation. Geometric topics include rigid transformations on figures and proving congruence of figures through a series of rigid transformations. Honors includes additional examples and practice for students.

Grade: 8

Prerequisite(s):
Math 8 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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. Honors includes additional examples and practice for students.

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PRE-ALGEBRA



Grades: 6-9

Prerequisite(s):
None

[Course Intro Video](#)

Pre-Algebra is a one-semester math course to build an algebraic foundation to prepare students for Algebra I. Topics include: reviewing integers and rational numbers, properties of numbers and working with exponents and roots, mastering the order of operations, variables, how to simplify expressions and solve multi-step equations, lines and linear equations, ordered pairs, the coordinate plane, and graphs.

ALGEBRA 1

Grades: 9-12

Prerequisite(s):
Math 8

[Course Intro Video](#)

First Semester:

Students explore 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.

Grades: 9-12

Prerequisite(s):
Algebra 1 First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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



Grades: 9-12

Prerequisite(s):
Math 8

[Course Intro Video](#)

First Semester:

Students explore algebraic problems and apply the knowledge to real-life situations. Topics include: 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.

Grades: 9-12

Prerequisite(s):
Algebra 1 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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 include: 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.

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GEOMETRY

Grades: 9-12

Prerequisite(s):
Algebra 1

[Course Intro Video](#)

First Semester:

Students explore writing formal proofs and constructing geometric figures. Topics include: 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.

Grades: 9-12

Prerequisite(s):
Geometry First Semester

[Course Intro Video](#)

Second Semester:

Students explore writing formal proofs and constructing geometric figures. Topics include: 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



Grades: 9-12

Prerequisite(s):
Algebra 1 Honors

[Course Intro Video](#)

First Semester:

Students examine congruence, proofs, and constructions to prove statements about lines, angles, triangles, and quadrilaterals; apply the knowledge of transformations to learn a formal definition for similarity to write proofs, are introduced to 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 investigate cross sections and solids of revolutions.

Grades: 9-12

Prerequisite(s):
Geometry Honors First Semester

[Course Intro Video](#)

Second Semester:

Students explore the Pythagorean theorem, distance formula, midpoint formula, and slope formula to solve geometric problems and develop coordinate proofs. Topics include: 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.

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ALGEBRA 2

Grades: 9-12
Prerequisite(s):
Algebra 1 & Geometry

[Course Intro Video](#)

First Semester:

Students explore solving quadratic equations with complex solutions and perform 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.

Grades: 9-12
Prerequisite(s):
Algebra 2 First Semester

[Course Intro Video](#)

Second Semester:

Students explore radical equations, rewriting expressions involving radicals, and graphing and solving 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



Grades: 9-12
Prerequisite(s):
Algebra 1 Honors, Geometry Honors

[Course Intro Video](#)

First Semester:

Students explore polynomial, rational, radical, and trigonometric functions, solving equations, including quadratic equations over the complex numbers, as well as rational and radical equations.

Grades: 9-12
Prerequisite(s):
Algebra 2 Honors First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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.

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EXTENDED ALGEBRA 2*

Grades: 9-12

Prerequisite(s):
Algebra 1 and Geometry

[Course Intro Video](#)

First Semester:

This semester explores solving quadratic equations with complex solutions and performing operations on polynomials, using polynomial identities to solve problems, analyzing polynomial functions using different representations, solving polynomial equations graphically, working with rational functions, and performing arithmetic operations on rational functions to graph them.

Grades: 9-12

Prerequisite(s):
Extended Algebra 2 First Semester

Second Semester:

This semester explores radical equations, rewriting expressions involving radicals, and graphing and solving radical equations. Concepts of trigonometry include ratios and using the unit circle to understand them, graph sine, cosine, tangent functions, and exploring their key features to prove and apply trigonometric identities.

Grades: 9-12

Prerequisite(s):
Extended Algebra 2 Second Semester

Third Semester:

This semester explores modeling real-life situations with equations and inequalities, solving exponential equations with logarithms, and synthesizing and generalizing a variety of function families.

Grades: 9-12

Prerequisite(s):
Extended Algebra 2 Third Semester

Fourth Semester:

This semester explores how to make probability decisions, as well as how to use basic statistics and sampling processes to understand data sets and answer questions about samples and populations.

COLLEGE MATHEMATICS PREPARATION°

Grades: 11-12

Prerequisite(s):
Algebra 1, Algebra 2, Geometry

[Course Intro Video](#)

First Semester:

Students explore mathematics in real-life situations, such as investments and interest, calculating loans, and annuities. Topics include: comparing and contrasting solutions; interpreting results of calculations in context to a problem; calculating perimeter, area, surface area, and volume; converting units of measurement between different systems; and solving problems using exponential growth.

Grades: 11-12

Prerequisite(s):
College Mathematics Preparation
First Semester

[Course Intro Video](#)

Second Semester:

Students explore how to make probability decisions, as well as how to use basic statistics and sampling processes to understand data sets and answer questions about samples and populations. Topics include: distinguishing between sets, using Venn diagrams to solve applied problems, probability and permutations, statistics, and calculating and interpreting data.

*4-semester course

° This course may receive college credit through dual enrollment if the school has a partnership with a college.



FINANCIAL MATHEMATICS



Grade: 9-12

Prerequisite(s):
Algebra 1

[Course Intro Video](#)

Students investigate 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.

Schools may use this course independently or pair with Applied Mathematics to create a Math Models full-year course.

APPLIED MATHEMATICS



Grade: 9-12

Prerequisite(s):
Algebra 1

[Course Intro Video](#)

Students examine 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.

Schools may use this course independently or pair with Financial Mathematics to create a Math Models full-year course.

SCIENCE 6



Grade: 6

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students investigate 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 include: cells, the hierarchy of organization, covering tissues, organs, and organ systems.

Grade: 6

Prerequisite(s):
Science 6 First Semester

[Course Intro Video](#)

Second Semester:

Students explore topics through many creative and interactive assets, including virtual labs and review games to immerse themselves in 21st-century online learning. Topics include: 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:

Students examine 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:

Students investigate concepts from ecology and geology to explore the interactions between and among organisms in an ecosystem. Topics 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:

Students examine 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:

Students examine physical science, such as physics and space science, and the history of science to highlight influential scientists.

PHYSICAL SCIENCE



Grades: 9-12

Prerequisite(s):

None

Course Intro Video - Coming Soon

First Semester:

Students examine science as a whole and the course leads to how methods and tools provide scientists meaningful results. Topics include: 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.

Grades: 9-12

Prerequisite(s):

Physical Science First Semester

[Course Intro Video](#)

Second Semester:

Students explore physics, are introduced to 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.



BIOLOGY

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students examine 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.

Grades: 9-12

Prerequisite(s):
Biology First Semester

[Course Intro Video](#)

Second Semester:

Students examine the basics of genetics, natural selection, and ecology; model how matter and energy flow through ecosystems, and the technology used to see the larger context and implications. Topics include: biological research topics of ethical guidelines in new biotechnology.

BIOLOGY HONORS



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students examine 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.

Grades: 9-12

Prerequisite(s):
Biology Honors First Semester

[Course Intro Video](#)

Second Semester:

Students examine life on Earth from a big picture perspective by exploring the evolution of species and history of life on Earth. Topics include: 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 refer to higher-level classes that proceed at a faster pace and cover more material than regular classes. Honors courses are usually reserved for talented high school students who excel in certain subjects.



CHEMISTRY

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students examine 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.

Grades: 9-12

Prerequisite(s):
Chemistry First Semester

[Course Intro Video](#)

Second Semester:

Students examine 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.

CHEMISTRY HONORS



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students examine 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.

Grades: 9-12

Prerequisite(s):
Chemistry Honors First Semester

[Course Intro Video](#)

Second Semester:

This semester culminates in the ability to evaluate the ethical and social implications of chemistry-related technologies. Topics include: 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 refer to higher-level classes that proceed at a faster pace and cover more material than regular classes. Honors courses are usually reserved for talented high school students who excel in certain subjects.



ENVIRONMENTAL SCIENCE

Grades: 9-12
Prerequisite(s):
Chemistry First Semester

[Course Intro Video](#)

First Semester:

Students examine the relationships between organisms and the environment, including impacts of research on scientific thought and the environment by using scientific practices, evidence-based data and its display, as well understanding how data informs societal decision-making.

Grades: 9-12
Prerequisite(s):
Environmental Science First Semester

Second Semester:

Available early December 2020

SOCIAL STUDIES 6



Grade: 6

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students explore the 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:

Students explore 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:

Students explore the social, cultural, and technological developments occurring concurrently in Europe, Africa, and Asia in the years AD 500–1789. They also examine how archaeologists and historians uncover the past.

Grade: 7

Prerequisite(s):
Social Studies 7 First Semester

[Course Intro Video](#)

Second Semester:

Students explore 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 include: 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:

Students explore early American history from pre-Columbian era and closely examine 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:

Students explore westward expansion, early Spanish missions in western North America through to Reconstruction, the Second Industrial Revolution, and connect these events to how policies and cultures are shaped. Topics include: 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.

CIVICS

Grades: 7-8
Prerequisite(s):
None

First Semester:

Students examine the general structure and functions of the US systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. Topics include: the Declaration of Independence, analysis of the principles US Constitution and the debates surrounding its ratification, examining validity of sources, landmark Supreme Court cases, and the voting process.

Grades: 7-8
Prerequisite(s):
Civics First Semester

Second Semester:

Available early December 2020



WORLD GEOGRAPHY

Grades: 9-12
Prerequisite(s):
None

First Semester:

Students explore 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

Second Semester:

Students continue 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.

WORLD HISTORY

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

First Semester:

Students explore 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 include: The Crusades, feudalism, the plague, Asian empires and trade routes, effects of the Renaissance and Protestant Reformation, and important revolutions that shaped history.

Grades: 9-12
Prerequisite(s):
World History First Semester
[Course Intro Video](#)

Second Semester:

Students trace 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



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students explore 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 include: 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.

Grades: 9-12

Prerequisite(s):
World History Honors First Semester

[Course Intro Video](#)

Second Semester:

Students examine 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 include: 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: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students explore European exploration and the impact Europeans had on the lives of those native to North America. Topics include: 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: 9-12

Prerequisite(s):
US History First Semester

[Course Intro Video](#)

Second Semester:

Students trace pivotal events in American history and presidential administrations as the 21st century dawns. Topics include: 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 courses refer to higher-level classes that proceed at a faster pace and cover more material than regular classes. Honors courses are usually reserved for talented high school students who excel in certain subjects.



US HISTORY HONORS



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

First Semester:


Students explore European exploration and the impact Europeans had on the lives of those native to North America. Topics include: 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.

Grades: 9-12
 Prerequisite(s):
 US History Honors First Semester
 Course Intro Video - *Coming Soon*

Second Semester:

Students trace pivotal events in American history and presidential administrations as the 21st century dawns. Topic include: 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.


US GOVERNMENT

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

Students examine the history and philosophy of the United States government and the guiding principles of democracy. Topics include: 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



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

Students examine early political ideas that led to the development of the United States government, and the various smaller governments that operate within the United States provide 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.

Honors courses refer to higher-level classes that proceed at a faster pace and cover more material than regular classes. Honors courses are usually reserved for talented high school students who excel in certain subjects.



CIVICS: CITIZENSHIP



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

This course prepares for the Naturalization Test designed by the United States federal government. The course is for high school students in order to fulfill the requirement for graduation.

ECONOMICS



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Students explore principles to make informed decisions about personal finance, develop a broader understanding of national and international economic decisions and policies. Topics include: why economics impacts history, distribution of wealth, and quality of life for all members of society.

CHARACTER EDUCATION



Grades: 6-12

Prerequisite(s):
None

[Course Intro Video](#)

Students explore 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 include: identifying bullying, how to develop a bullying-prevention mindset.

GAMING UNLOCKED



Grades: 6-12

Prerequisite(s):
None

[Course Intro Video](#)

Students research 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.

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.

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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.

ART HISTORY: MODERN



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Students explore 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.*

ART HISTORY: ORIGINS



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

Students explore the 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.*

CRIMINOLOGY & FORENSICS



Grades: 9-12

Prerequisite(s):
None

Course Intro Video - *Coming Soon*

Criminology and Forensics 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 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 the Public Services CTE pathway.

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 CTE pathway.

FASHION DESIGN

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students explore the tools and principles of fashion design. Topics include: the use of color, creation of an inspiration board, fabrics and materials, and tools and machines used by fashion designers.

Second Semester:

Students explore the skills and education required in the fashion industry. Topics include: 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 - Coming Soon](#)

Semester Course



GRAPHIC & WEB DESIGN



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video - Coming Soon](#)

Students explore visual communication and the range of careers in the field. Topics include: principles of design, ethics of creative fields, and the publishing process.

INTERIOR DESIGN

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students explore the principles and elements of design. Topics include: 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:

Students explore career options in residential, commercial, and mobile design, getting credentialed, and networking in professional organizations. Topics include: 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.

PHOTOGRAPHY BASICS



Grades: 6-12

Prerequisite(s):
None

[Course Intro Video](#)

Students explore proper use of photography equipment, how to build a portfolio of work, and describes the steps to starting a career in this field. Topics include: the habits and etiquette of the profession.

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



PRINCIPLES OF MARKETING



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

Students explore 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](#)

Students explore the role sales plays in the national economy, the importance of ethical behavior in business. Topics include: 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 CTE pathway.

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

First Semester:

This semester explores human behavior, behavior interaction and the progressive development of individuals. Topics include: 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

Second Semester:

This semester explores human social interactions, psychological therapies, and careers in the field. Topics include: 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

Students explore 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.

MIDDLE SCHOOL HEALTH



Grades: 6-8

Prerequisite(s):
None

[Course Intro Video](#)

This course explores how behavioral choices, such as nutrition and physical activity, affect health, then provides information to make healthy choices. Topics include: 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.

MIDDLE SCHOOL PHYSICAL EDUCATION



Grades: 6-8

Prerequisite(s):
None

[Course Intro Video](#)

Students explore 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.

HEALTH 101



Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

This course explores how behavioral choices, such as nutrition and physical activity, affect health, then provides information to make healthy choices. Topics include: 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

Grades: 9-12

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students examine the importance of physical activity, personal fitness, and healthy eating habits. Topics include: useful techniques and different aspects of sport and recreation, a personal fitness evaluation, the design of a personal exercise plan and tracking of results.

Second Semester:

Students explore key concepts that lead to improved fitness, wellness, and overall health. Topics include: 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.

Physical Education 1 First Semester

[Course Intro Video](#)



PERSONAL FITNESS

Grades: 9-12

Prerequisite(s):
Physical Education 1

[Course Intro Video](#)

First Semester:

Students explore 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 include: motor skill development, game strategy, self-evaluation of fitness, setting goals, designing an exercise plan, and tracking results.

Grades: 9-12

Prerequisite(s):
Personal Fitness 2 First Semester

[Course Intro Video](#)

Second Semester:

Students explore how to develop personalized physical fitness plans while completing physical activities throughout the course. Topics include: how to assess fitness levels, modify fitness goals, evaluate fitness products and programs, leadership, and progress tracking in a daily physical activity log.

SPANISH FOR YOUNG LEARNERS: GRADE 7

Grade: 7

Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students are introduced to 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:

Students explore 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:

Students explore 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:

Students explore 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.



SPANISH 1

Grades: 9-12
Prerequisite(s):
None

[Course Intro Video](#)

First Semester:

Students are introduced to 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:

Students explore 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:

Students are introduced to 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:

Students continue 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:

Students build 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:

Students will continue 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.