



Course Catalog

2026 – 2027

01

English Language Arts

The English curriculum offers a balanced and academically rigorous program based on the Common Core State Standards. Students who plan to attend UC/CSU institutions need to have 4 years of UC/CSU accepted English Courses. College-bound athletes will need to have 4 years (for Division I) and 3 years (for Division II) of accepted English credits to practice, receive athletic scholarships, and/or compete during their first year. All Subject English courses are UC A-G and NCAA approved.

HIGH SCHOOL

AP English Language and Composition NCAA

Students will be able to cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. The big ideas serve as the foundation of the course and develop understanding as they spiral throughout the course. The big ideas enable students to create connections among course concepts. Revisiting the big ideas and applying them in a variety of contexts allow students to develop deeper conceptual understanding.

AP English Literature & Composition NCAA Google Classroom

AP English Literature is a college-level course that challenges students to explore classic and contemporary literature through critical reading, analytical writing, and discussion. Students will examine a range of texts—novels, plays, poetry, and short fiction—focusing on literary elements, narrative structure, and thematic depth. The course builds close reading skills and prepares students to write evidence-based literary analysis. It also prepares students for the AP Exam and may offer the opportunity for college credit or advanced placement.

College Writing NCAA

In this course students will develop written and verbal communication skills by reading a wide variety of materials and completing writing assignments. Assignments in this course will help students examine social issues and topics that support academic, expository, and analytical reading and writing. Students will be required to develop evidence-based arguments, inquiry-based discussions, and other practices to further develop academic literacy. The communication skills developed in this course will prepare students for the literacy demands of higher education.

English I NCAA

This two-semester course is an introduction to literature and composition at the high school level. Students will self-reflect through exploration of a variety of texts while they use text analysis to develop their own writing styles. The course establishes foundational literacy habits and mindsets that will serve students throughout high school and beyond.

Advanced English I NCAA Google Classroom

This two-semester course is an introduction to literature and composition at the high school level. Students will self-reflect through exploration of a variety of texts while they use text analysis to develop their own writing styles. The course establishes foundational literacy habits and mindsets that will serve students throughout high school and beyond. Because this course is designated for students choosing an Honors course of study, assignments have been adjusted to require higher order thinking skills. Students often read the same works as the standard course of study, but they are asked to dig deeper and be creative in their responses.

English II

NCAA

In this course students will develop written and verbal communication skills by examining a selection of texts addressing universal themes in literature from diverse authors and writing from across the globe. Students explore common genres of academic writing while honing their analytical and argumentative writing skills. Students will be required to develop well-supported arguments about World literature, as well as develop both reflective and analytical arguments. The communication skills developed in this course will prepare students for English III, future college courses and career paths in journalism, media, and communications.

Honors English II

NCAA

Google Classroom

In this course students will develop written and verbal communication skills by examining a selection of texts addressing universal themes in literature from diverse authors and writing from across the globe. Students explore common genres of academic writing while honing their analytical and argumentative writing skills. Students will be required to develop well-supported arguments about World literature, as well as develop both reflective and analytical arguments. Because this is an honors course, students do dive into deeper depths of knowledge where they are asked to create and expand metacognition. The communication skills developed in this course will prepare students for Honors English III and an advanced course of study, future college courses and career paths in journalism, media, and communications.

English III

NCAA

In this course students will develop a beginning understanding of effective written and verbal communication skills by examining a selection of texts addressing American themes, authors, and writings. Students explore common genres of academic writing while honing their analytical and argumentative writing skills. Students will be required to develop well-supported arguments about American literature, as well as develop both reflective and analytical arguments. The communication skills developed in this course will prepare students for English II, future college courses and career paths in journalism, media, and communications.

Honors English III

NCAA

Google Classroom

English III Honors is a rigorous course that engages students in the critical study of American literature, exploring how writers across time have reflected, questioned, and shaped the evolving American identity. Students will examine a diverse range of texts—including novels, plays, poetry, speeches, and essays—that represent the voices, values, and struggles of the American experience. Emphasis is placed on developing analytical reading skills, sophisticated writing techniques, and thoughtful oral communication. Through close reading, literary analysis, and argumentative writing, students will investigate central themes such as freedom, justice, identity, conflict, and the American Dream. Honors-level expectations include deeper textual analysis, independent research, seminar-style discussions, and polished academic writing. This course prepares students for AP-level coursework and post-secondary success.

English IV

NCAA

In this course students will develop written and verbal communication skills by reading selections from diverse authors while practicing literary analysis through many genres. Students will explore genres such as short fiction, non-fiction, informational texts, plays and poetry, all while honing their analytical and creative writing skills. Students will be required to develop well-supported arguments about analyzing literature through both form and content. The communication skills developed in this course will prepare students for future college courses and career paths in journalism, media, and communications.

Honors English IV

NCAA

Google Classroom

English IV Honors challenges students to deepen their literary understanding and sharpen their communication skills through the critical study of diverse texts and genres. Students will engage with a wide range of literary forms—including short fiction, nonfiction, informational texts, drama, and poetry—while developing advanced skills in both analytical and creative writing. Emphasis is placed on close reading, rhetorical analysis, and constructing well-supported arguments that address both the form and content of literary works. Through writing workshops, formal essays, and seminar-style discussions, students will learn to articulate original insights with clarity, coherence, and sophistication. Honors students are expected to demonstrate academic independence, initiative, and a strong command of language as they explore how literature informs and enriches the human experience.

MIDDLE SCHOOL

English 6

This course is an exploration of reading, writing, language, and analysis, designed to build strong foundational literacy skills. Students will engage with a wide variety of texts to deepen their understanding of theme, structure, and craft. Through close reading and analytical strategies, students will develop the ability to make inferences, cite textual evidence, and evaluate arguments across genres. Students will also strengthen their grammar, vocabulary, and language conventions while writing across multiple modes, such as narrative, informative, argumentative, and literary analysis. Emphasis will be placed on maintaining a clear voice, tone, and purpose in writing. Students are assessed through a variety of formative and summative tasks, including essays, creative projects, presentations, quizzes, and discussions.

English 7

This seventh grade English Language Arts (ELA) helps students to understand and harness the power of language. This course is designed to empower students as they build the confidence and skills needed to use language to navigate the world with clarity and purpose. Students will grow as readers, writers, speakers, and critical thinkers. They will explore high-quality texts, make meaningful connections to the course content, and work on engaging projects. By reading classic literature and modern informational texts, and completing real-world writing tasks, students will learn how words can inspire, advocate, and connect. Students are assessed through a variety of formative and summative tasks, including analytical essays, creative projects, presentations, quizzes, and discussions.

English 8

This eighth grade English Language Arts (ELA) is designed to engage students in critical thinking, reading, writing, and speaking through the exploration of a wide variety of texts and meaningful real-world applications. The curriculum emphasizes the development of analytical, argumentative, and research skills while fostering an appreciation for literature and effective communication. This course helps students become thoughtful readers, persuasive writers, and effective communicators, fostering the critical literacy skills students need to navigate complex texts and confidently articulate their ideas. Students are assessed through a combination of formative and summative assessments, including essays, projects, presentations, and quizzes.

02 History / Social Science

The History-Social Science curriculum offers a balanced and academically rigorous program. Students who plan to attend UC/CSU institutions need to have 2 years of UC/CSU accepted History/Social Science Courses. College-bound athletes will need to have 2 years (for Division I and II) of accepted Social Science credits to practice, receive athletic scholarships, and/or compete during their first year. All Subject history and social science courses are UC A-G and NCAA approved.

HIGH SCHOOL

AP United States Government & Politics

NCAA

AP US Government and Politics is a college-level course that prepares students for success on the AP Exam in May. It is an in-depth exploration of how the United States Government was founded, who founded it, and how our government currently works today. The course provides students with the political knowledge and reasoning processes to participate meaningfully and thoughtfully in discussions and debates that are currently shaping American politics and society. Students will master key words, concepts, and ideas of the political system of the United States and analyze and interpret the U.S. Constitution. Throughout this one-semester course, students will be challenged to think of what it means to be a citizen in today's expanding democratic world. Students will be able to analyze current and historical political events like a political scientist and develop factually accurate, well-reasoned, thoughtful arguments that grapple with alternative political perspectives.

Economics

NCAA

Semester Course

In this course, a student will demonstrate knowledge of the principles of economics, major economic theories, and the relationship between economics and political structures. Students will develop and use analytical thinking skills by analyzing product and factor markets, distribution of income, market failure, and the role of government in the economy. This course also includes brief discussion of the concepts of financial literacy, personal finance, and connections to and concepts of broader global economics conditions. The analytical thinking skills and writing skills in this course will prepare students for future success in college-level coursework or in career paths that depend on critical thinking.

Ethnic Studies

NCAA

Semester Course

Ethnic Studies is an advanced high school level social science course created to give voice to underrepresented communities who have been marginalized in the past as well as the 21st century. Students will be exposed to a balance of stories and perspectives through the examination of race, ethnicity, identity, and nationality as it relates to political, social, and economic structures. This course will promote awareness and discourse associated with discrimination and oppression in the nation. The focus will primarily be on the struggles and movements of African Americans, Latino Americans, Asian Americans and Pacific Islanders, and Native Americans. By studying various cultures, students will be empowered to foster social engagement for diversity, equity, and inclusion in the United States.

Philosophy

NCAA

In this course, a student will demonstrate knowledge of philosophical terms, arguments, and historical and contemporary contributors to the field of philosophy. Students will develop and use analytical thinking skills by engaging in philosophical discussions, reflecting on their own philosophies of life, and developing evidence-based arguments. The analytical thinking skills, self-reflection, and writing skills in this course will prepare students for future success in college-level coursework or in career paths that depend on reflective thinking.

Psychology

NCAA

In this course students will develop an understanding of psychology that focuses on human behavior and mental processes. This course will explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios and engage in realistic simulations and projects. The scientific thinking skills in this course will prepare students for future success in college level psychology coursework and career paths in psychology, psychiatry, or counseling.

United States Government & Politics

NCAA

Semester Course

In this course, a student will demonstrate knowledge of the constitutional system and political culture of the United States. In this nonpartisan course, students will develop and use disciplinary practices related to reading and interpreting data, making comparisons, exploring real world applications, and developing evidence-based arguments. Students will review U.S. foundational documents, Supreme Court decisions, political cartoons, political ephemera and other texts and visuals to support their analysis of U.S. government and politics. The disciplinary thinking skills and writing skills in this course will prepare students for future success as informed members of the body politic, in college-level coursework, and in career paths that depend on critical thinking.

United States History

NCAA

In this course, students will demonstrate knowledge of the cultural, economic, political, and social developments that have shaped the United States from approximately c. 1491 CE to the present. Students will develop and use historical thinking skills by analyzing primary and secondary sources, making historical connections, developing historical arguments, and utilizing historical reasoning skills. During this course, a student will be able to demonstrate the ability to explore connections with themes: American and national identity, work, exchange and technology, geography and the environment, migration and settlement, politics and power, America in the world, American and regional culture, and social structures. The historical thinking skills and writing skills in this course will prepare students for future success in college-level coursework or in career paths that depend on critical thinking.

Honors United States History

NCAA

Google Classroom

U.S. History Honors provides a comprehensive and intellectually challenging study of the cultural, economic, political, and social developments that have shaped the United States. Students will engage in advanced historical inquiry by critically analyzing a range of primary and secondary sources, constructing complex historical arguments, and applying reasoning skills such as comparison, causation, and continuity and change over time. The course is organized thematically, encouraging students to explore major developments across key areas: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; regional and cultural identities; and evolving social structures. Students will build essential skills for success in college-level coursework, including AP history courses, and in careers requiring strong critical thinking, analysis, and historical literacy.

World History

NCAA

In this course, students will demonstrate knowledge of the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. Students will develop and use historical thinking skills by analyzing primary and secondary sources, making historical connections, developing historical arguments, and utilizing historical reasoning skills. During this course, a student will be able to demonstrate the ability to make connections between different times and places, humans and the environment, governance, economic systems, social interactions and organization, and technology and innovation. The historical thinking skills and writing skills in this course will prepare students for future success in college-level coursework or in career paths that depend on critical thinking.

Honors World History

NCAA

Google Classroom

World History Honors offers a rigorous, in-depth exploration of the cultural, economic, political, and social forces that have shaped global civilizations from circa 1200 CE to the present. Students will develop and refine advanced historical thinking skills through the critical analysis of primary and secondary sources, the construction of evidence-based historical arguments, and the application of comparative, causation, and continuity/change reasoning. Emphasis is placed on evaluating complex patterns across regions and time periods. Honors students will engage in inquiry-based projects, seminar discussions, and analytical writing assignments that demand intellectual independence and a nuanced understanding of global interdependence. This course prepares students for AP-level classes and fosters the critical thinking, research, and communication skills essential for careers in law, diplomacy, education, public policy, and the social sciences.

MIDDLE SCHOOL**Ancient World History for Middle School**

This course is an introduction to the early civilizations that shaped the modern world, focusing on historical inquiry, critical thinking, and global perspectives. Students will explore the geographic, political, economic, religious, and social structures of major civilizations, including those of Mesopotamia, Egypt, Kush, the Hebrews, Greece, India, China, and Rome. Through the analysis of primary sources, maps, timelines, and artifacts, students will gain foundational historical skills and an understanding of the human journey from the Paleolithic era to the fall of the Roman Empire. By the end of the course, students will be equipped with historical literacy and a deeper appreciation for the enduring legacies of the ancient world.

United States History for Middle School

Middle School U.S. History offers students an immersive journey through the key events, figures, and ideas that have shaped the United States from its founding through the 19th century. This course gives students a comprehensive understanding of America's past, fostering an appreciation for the nation's diverse heritage and the democratic principles that continue to shape its future. By engaging with historical content through interactive and reflective practices, students develop skills for critical thinking and historical analysis, encouraging students to draw connections between history and the present day. Students are evaluated through a variety of formative and summative assessments, including essays, research projects, presentations, quizzes, and participation in discussions.

World Geography and Culture for Middle School

World Cultures and Geography is a year-long survey of global geography, presented region-by-region. This course focuses on cultural geography, and asks students to look at the Earth through various different perspectives. Students are assessed through a combination of formative and summative tools, ranging from map creation and analysis, to argumentative and narrative writing, inquiry-based projects, in-lesson readings, as well as checks for understanding, quizzes, and exams. The course requires practice in geographic analysis, using source material ranging from maps and imagery to charts, graphs, and tables.

03

Mathematics

The Mathematics curriculum offers a balanced and academically rigorous program based on the Common Core State Standards. All students must pass Algebra I in order to receive a high school diploma. Students who plan to attend UC/CSU institutions need to have 3 years of UC/CSU accepted Math Courses. College-bound athletes will need to have 3 years (for Division I) and 2 years (for Division II) of accepted Math credits to practice, receive athletic scholarships, and/or compete during their first year. All Subject math courses are UC A-G and NCAA approved, with the exception of Algebra Foundations, which does not qualify for NCAA approval because it is not at the level of Algebra I or above.

HIGH SCHOOL

Algebra Foundations

In this course, students will demonstrate knowledge of mathematical functions that bridge elementary math and algebra. Students will review fractions, decimals, ratios, proportions, percents, and integers. Students will develop and use mathematical thinking skills by solving systems of linear equations and simplifying polynomial expressions, measuring and transforming geometric figures, calculating probabilities and analyzing univariate and bivariate data. Students will apply concepts by modeling abstract and real-world math problems using algebra, geometry, and statistical data. Technology and calculators will be used to support topics such as scientific notation and drawing geometric figures. The mathematical thinking skills in this course will prepare students for future success in Algebra I level coursework.

Algebra I

NCAA

This course builds upon grade 8 mathematical conceptual categories, as students develop and use mathematical reasoning and skills, to expand what they know about numbers, expressions, equations, functions, and data. Students develop fluency with linear, quadratic, and exponential equations and functions as they review and extend their knowledge of linear equations, linear inequalities, linear functions (graphing and writing), systems of linear equations and inequalities, exponential functions, absolute value, polynomial expressions and factoring, graphing quadratic functions, solving quadratic equations, and displaying and analyzing data. Students also develop a deeper understanding of distributions, as students learn how to compare data sets. During this course, students will be able to demonstrate the ability to use algebraic functions necessary for success in Algebra II, Pre-Calculus, or other advanced math courses.

Honors Algebra I

NCAA

Google Classroom

Honors Algebra I offers a rigorous and accelerated approach to foundational high school mathematics, building on Grade 8 conceptual knowledge while deepening students' understanding of algebraic reasoning and functional relationships. Students will master linear, quadratic, and exponential functions through in-depth analysis, advanced problem-solving, and real-world applications. Key topics include solving and graphing linear equations and inequalities, systems of equations and inequalities, exponential functions, absolute value, polynomial expressions and factoring, and quadratic functions and equations. The course also integrates statistical reasoning through the comparison and interpretation of data distributions. Honors students are challenged to think critically, communicate mathematical ideas precisely, and apply multiple strategies to complex problems.

Algebra II

NCAA

In this course, students will demonstrate the ability to bridge knowledge from Algebra I and prepare for Advanced Mathematics/Precalculus. Students will develop and use mathematical thinking skills by reviewing basic linear algebra, quadratics, polynomial, exponential and logarithmic functions, sequences, series, a more thorough review of trigonometry, statistics, and probability. An emphasis on use of the calculator and online programs will be provided in order to assist problem solving skills. The mathematical thinking skills in this course will prepare students for future success in college-level coursework.

Honors Algebra II

NCAA

Google Classroom

Algebra II Honors is a rigorous, fast-paced course designed for students prepared to deepen their mathematical understanding and expand their problem-solving abilities. Building on foundations from Algebra I, this course explores advanced topics including linear and quadratic functions, polynomial operations, rational expressions, exponential and logarithmic functions, complex numbers, and an extended study of trigonometry. Students will also analyze sequences and series, delve into probability and statistics, and apply mathematical models to real-world and abstract scenarios. Emphasis is placed on developing strong algebraic reasoning, fluency in multiple representations, and strategic use of graphing technology and digital tools. Honors students are expected to demonstrate independence, persistence, and precision in tackling challenging problems, preparing them for Pre-Calculus, AP math courses, and future college-level STEM coursework.

Geometry

NCAA

In this course, a student will demonstrate knowledge of complex geometric situations and deepen their explanations of geometric relationships, presenting and hearing formal mathematical arguments. Students will develop and use mathematical thinking skills by analyzing properties (lines, angles, triangles, etc.) and applying algebraic relationships to quantify their measurements. Through this course students will learn a variety of skills including how to properly identify all characteristics and their measurements given any 2-D or 3-D figure. The mathematical thinking skills in this course will prepare students for future success in college-level coursework or in career paths that depend on spatial thinking.

Honors Geometry

NCAA

Google Classroom

In this course, a student will demonstrate knowledge of complex geometric situations and deepen their explanations of geometric relationships, presenting and hearing formal mathematical arguments. Students will develop and use mathematical thinking skills by analyzing properties (lines, angles, triangles, etc.) and applying algebraic relationships to quantify their measurements. Through this course students will learn a variety of skills including how to properly identify all characteristics and their measurements given any 2-D or 3-D figure. The mathematical thinking skills in this course will prepare students for future success in college-level coursework or in career paths that depend on spatial thinking.

Integrated Mathematics I

NCAA

In this course, students will demonstrate knowledge of mathematical functions that build their understanding of math from grades K-8. Students will develop and use mathematical thinking skills by reviewing equations and inequalities, functions, geometric foundations and relationships, to sequences and statistics. Students will apply concepts by applying skills learned in Integrated Math I to solve real-world problems. Technology and calculators will be used to support topics such as scientific notation and drawing geometric figures. The mathematical thinking skills in this course will prepare students for future success in Integrated Math II level coursework.

Integrated Mathematics II

NCAA

In this course, students will demonstrate knowledge of mathematical functions that build their understanding of math from Integrated Math I. Students will develop and use mathematical thinking skills by reviewing equations and inequalities, functions, geometric foundations and relationships, to sequences and statistics. Students will apply concepts by applying skills learned in Integrated Math II to solve real-world problems. Technology and calculators will be used to support topics such as scientific notation and drawing geometric figures. The mathematical thinking skills in this course will prepare students for future success in Integrated Math III level coursework.

Integrated Mathematics III

NCAA

In this course, students will demonstrate knowledge of mathematical functions that build their understanding of math from Integrated Math II. Students will develop and use mathematical thinking skills by using statistics to draw conclusions from data, expanding understanding of functions and trigonometry, and creating models using functions and geometry. Students will apply concepts by applying skills learned in Integrated Math III to solve contextual problems. Technology and calculators will be used to support topics such as scientific notation and drawing geometric figures. The mathematical thinking skills in this course will prepare students for future success in college level math coursework and career paths that emphasize statistical thinking.

Advanced Math & Trigonometry

NCAA

In this course, students will demonstrate advanced knowledge of trigonometric functions. Students will develop and use mathematical thinking skills by solving triangles and understanding the unit circle, understanding and applying concepts of angle measure in both radians and degrees, sketching the graphs of trig functions, proving trig identities, solving trig equations, and learning and applying the laws of sines and cosines. During this course, students will be able to demonstrate the ability to use definitions and theorems to build arguments and justify conclusions. The mathematical thinking skills in this course will prepare students for future success in college-level coursework.

Pre-Calculus

NCAA

In this course, students will demonstrate knowledge of mathematics concentrating on advanced algebra and functions, trigonometry, analytic geometry, and discrete mathematics. Students will develop and use mathematical thinking skills by applying appropriate models to draw conclusions and learn to use technology in solving real-world problems. During this course, students will demonstrate the ability to use mathematical functions necessary for success in Calculus, or other advanced math courses.

Financial Algebra

NCAA

Financial Algebra is a modern, real-world course that equips students with the financial and mathematical skills needed to navigate today's financial climate. Students begin by exploring personal finance fundamentals, including income sources, employment considerations, and budgeting strategies. They then dive into banking services, with a focus on online and mobile banking, managing checking and savings accounts, and understanding loans and debt. The course also emphasizes protecting wealth and planning for the future, covering modern insurance needs, identity theft prevention, and investment strategies, including retirement planning. Finally, students explore business and entrepreneurship, applying financial concepts to real-world business models. Using up-to-date financial data, real-world case studies, and technology-driven tools, students develop financial literacy and problem-solving skills essential for making informed financial decisions in today's rapidly evolving world. This is a two-semester course.

AP Statistics

NCAA

AP Statistics is an introductory college-level statistics course. Students will learn about the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. There are four themes that are covered in this course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students will use technology, investigations, problem solving, and writing as they build conceptual understanding.

MIDDLE SCHOOL**Math 6**

Math 6 introduces students to foundational middle school mathematics concepts, including number operations, ratios and rates, algebraic expressions and equations, geometry, and data analysis. Throughout the course, students engage in hands-on problem solving, real-world applications, and mathematical modeling to build both conceptual understanding and procedural fluency. Lessons encourage students to think critically, communicate their reasoning, and collaborate with peers as they explore numerical reasoning, algebraic thinking, geometric concepts, and data interpretation. By strengthening these essential skills, students gain the confidence and mathematical literacy needed for success in future coursework and everyday decision-making.

Math 7

Math 7 expands students' mathematical understanding through proportional reasoning, rational number operations, algebraic expressions and equations, geometry, and introductory statistics and probability. Students engage in real-world applications, mathematical modeling, and collaborative problem solving to deepen both conceptual understanding and procedural fluency. Lessons encourage students to justify their thinking, communicate mathematically, and explore multiple strategies for solving problems involving proportional relationships, equations and inequalities, geometric measurements, and data analysis. By building confidence and independence as problem solvers, students develop the mathematical foundation needed for success in future courses, including Algebra I.

Math 8

Math 8 strengthens students' foundational math skills while introducing more advanced concepts that prepare them for high school algebra and beyond. Students deepen their understanding of rational and irrational numbers, real number properties, and scientific notation. They investigate proportional and linear relationships by analyzing equations, tables, and graphs, and they expand their algebraic thinking by solving linear equations and inequalities. Students also explore functions as a way to describe relationships between quantities, and they apply statistical reasoning to interpret scatterplots, trends, and real-world data. In the geometry portion of the course, students examine transformations, angle relationships, similarity, and use the Pythagorean Theorem and volume formulas to solve problems involving two- and three-dimensional figures.

04 Sciences

The science curriculum offers a balanced and academically rigorous program based on the Next Generation Science Standards. One year of biological science and one year of physical science are required for graduation. College-bound athletes will also need to have 2 years of NCAA accepted courses depending on the subject to practice, receive athletic scholarships, and/or compete during their first year. All Subject science courses are UC A-G and NCAA approved.

HIGH SCHOOL

Biology

NCAA

In this course, students will develop their understanding of biology through inquiry-based investigations as they explore major themes such as evolution, energetics, information storage and transfer, and system interactions. Core ideas include the flow of energy and matter in ecosystems, the history of life on Earth, human impacts on the environment, inheritance and variation in living organisms, natural selection, biological evolution, and biotechnology. Students will engage in hands-on and problem-based experiences that encourage them to ask questions, analyze data, and communicate scientific reasoning. Through lab activities, real-world applications, and opportunities to design solutions to authentic biological challenges, students build scientific thinking and analytical skills that support future success in advanced science courses and careers in fields such as computer science, biotechnology, environmental science, and health sciences.

Honors Biology

NCAA

Google Classroom

In this course students will develop their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. The core ideas covered in this course include energy and matter flow in ecosystems, history of the Earth, human impacts on ecosystems, inheritance and variation in life, natural selection, evolution, and biotechnology. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios. This course is aligned with the Next Generation Science Standards (NGSS) and will integrate the science and engineering practices, crosscutting concepts, and disciplinary core ideas. The scientific thinking skills in this course will prepare students for future success in college level science coursework and career paths in computer science, information technology, or programming.

Chemistry

NCAA

In this course, students will develop their understanding of chemistry through inquiry-based investigations as they explore four big ideas: scale, proportion, and quantity; the structure and properties of substances; chemical transformations; and energy. Students engage in hands-on and problem-based experiences that require them to ask questions, collect and analyze data, and communicate scientific reasoning. Throughout the course, students apply their learning to authentic, real-world challenges and develop solutions to problem-based scenarios. The scientific thinking and analytical skills developed in this course prepare students for future success in advanced science coursework and careers in fields such as computer science, environmental science, chemistry, and engineering.

Honors Chemistry

NCAA

Google Classroom

Honors Chemistry challenges students to deepen their understanding of chemical principles through inquiry-based investigations focused on four big ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Aligned with the Next Generation Science Standards (NGSS), the course integrates science and engineering practices, crosscutting concepts, and core disciplinary ideas. Students will engage in virtual labs and authentic problem-solving scenarios that require the application of chemical concepts and the defense of conclusions through scientific reasoning. Emphasis is placed on developing college-level skills such as time management, independent study, and scientific analysis. This rigorous course prepares students for advanced science coursework and careers in STEM fields.

Earth & Space Science

NCAA

This high school Earth and Space Science course takes students on an immersive exploration of Earth's systems and its place in the universe. Through a phenomena-based, storyline-driven approach, students investigate key topics such as geologic history, plate tectonics, weather and climate, natural hazards, and the impact of human activity on the planet. Each unit centers around real-world scientific questions, encouraging students to engage in hands-on and virtual investigations, analyze data, and build models. As they progress, students will develop evidence-based explanations and design solutions to pressing planetary challenges. By observing, modeling, and evaluating Earth's dynamic processes, students will build critical thinking skills and deepen their understanding of how science helps explain our world and beyond.

Environmental Science

NCAA

Environmental Science is a two-semester high school course that explores the interactions between humans and the natural world through a phenomenon-based, real-world lens. Students investigate ecosystems, biodiversity, population dynamics, sustainability, pollution, energy resources, and global environmental change using a storyline approach that connects scientific concepts to authentic environmental challenges. Through case studies, simulations, field-style investigations, and data analysis, students develop the skills to think and act like scientists—asking questions, evaluating evidence, communicating findings, and designing solutions to address the complex environmental issues shaping our planet today.

Life Science

NCAA

(duplicative with Biology)

Life Science introduces students to the structure, function, and interactions of living organisms and their environments. Topics include cells, genetics, ecosystems, evolution, and human biology. Through hands-on investigations, virtual labs, and real-world examples, students build scientific thinking skills and a deeper understanding of the living world.

Physical Science

NCAA

This course introduces students to the fundamental concepts of matter, motion, energy, waves, and electromagnetism through an engaging, real-world approach. Students will investigate scientific phenomena, conduct hands-on and virtual labs, and solve engineering challenges that simulate real-life applications. Key topics include the structure and properties of matter, chemical reactions, force and motion, energy transformations and conservation, waves and electromagnetic radiation, and electricity and magnetism. Through interactive activities and inquiry-based learning, students will build critical thinking skills and develop a strong foundation in physical science.

Physics

NCAA

In this course, students will develop their understanding of physics through inquiry-based investigations as they learn how to quantify the universe, construct models, and use those models to make testable predictions. Students engage in hands-on and problem-based experiences that require them to analyze data, apply mathematical reasoning, and design solutions to real-world challenges. By the end of the course, students will have a strong command of physical vocabulary and the quantitative skills needed to explain natural phenomena and solve complex problems. The scientific thinking and analytical skills developed in this course prepare students for future success in advanced science coursework and career paths in fields such as engineering, computer science, information technology, and physics.

Honors Physics

NCAA

Google Classroom

Honors Physics is a challenging, inquiry-driven course that engages students in quantifying the universe, constructing and refining models, and using those models to make testable, data-driven predictions about physical phenomena. Aligned with the Next Generation Science Standards (NGSS), the course integrates science and engineering practices, crosscutting concepts, and disciplinary core ideas to build deep conceptual understanding and strong problem-solving skills. Students will explore core topics such as motion, forces, energy, waves, and electromagnetism through laboratory investigations and real-world applications. Honors students are expected to demonstrate independence, precision, and critical thinking in their analyses, preparing them for future success in college-level science and engineering coursework.

Integrated Physics and Chemistry

NCAA

Google Classroom

An inquiry-based course that bridges the study of physics and chemistry, helping students understand how matter and energy interact at both the atomic and macroscopic level. Students investigate core concepts including forces, motion, chemical reactions, energy transformations, and waves through real-world phenomena, hands-on labs, and data analysis. Aligned with NGSS, the course builds strong scientific reasoning skills and prepares students for further study in physics or chemistry.

Principles of Anatomy & Physiology I & II

NCAA

Google Classroom

This year-long course explores human anatomy and physiology through case-based investigation of body systems in both health and disease. Rather than emphasizing memorization, students examine real-world phenomena—from sports injuries to aging processes—to understand structure-function relationships and their clinical implications. Students will explore the integumentary system's protective and regulatory functions, the skeletal system's structural and protective roles, joint biomechanics, and muscular system function from molecular mechanisms to coordinated movement. In the second semester, they will build upon this foundation to examine the cardiopulmonary, digestive, endocrine, nervous, and urogenital systems. Throughout both semesters, students develop critical thinking skills, scientific literacy, and the ability to evaluate health information. This comprehensive course prepares students for future studies in health sciences. Laboratory investigations, including dissections and physiological experiments, provide hands-on application of theoretical concepts.

Honors Principles of Anatomy & Physiology I & II

NCAA

Google Classroom

Honors Anatomy & Physiology is a rigorous, year-long course that challenges students to explore the structure and function of the human body through a case-based, inquiry-driven approach. Rather than focusing on rote memorization, students investigate real-world phenomena—such as sports injuries, disease progression, and aging—to understand how body systems work together to maintain homeostasis and respond to disruptions. In the first semester, students examine the integumentary, skeletal, articular, and muscular systems, analyzing everything from cellular mechanisms to biomechanical function. The second semester expands to the cardiopulmonary, digestive, endocrine, nervous, and urogenital systems, with a focus on clinical implications, system interdependence, and diagnostic reasoning. Throughout the course, students develop advanced scientific literacy, critical thinking, and health evaluation skills, preparing them for future studies in biomedical and health-related fields.

MIDDLE SCHOOL

Earth and Space Science for Middle School

Middle School Earth and Space Science is a two-semester course that takes students on a phenomenon-based journey through Earth's systems and its place in the solar system. Using a storyline-driven approach, students investigate topics such as geologic time, plate tectonics, weather and climate, natural hazards, resource use, and the impact of human activity on the planet. Each unit is anchored in real-world phenomena to build conceptual understanding and promote scientific reasoning. Through hands-on labs, virtual investigations, data analysis, and model-building, students develop the skills to observe, explain, and explore Earth's processes. The course encourages curiosity, critical thinking, and problem-solving while laying a strong foundation for science at the high school level.

Environmental Science for Middle School

Middle School Environmental Science is a two-semester, phenomenon-driven course that introduces students to Earth's systems, and interactions between living and nonliving things. Designed to help students build foundational scientific inquiry skills while exploring environmental issues at a local and global scale. They begin to think like scientists and engineers by modeling natural processes, identifying cause-and-effect relationships, and evaluating simple solutions to environmental problems that exist in the world around them. The course nurtures scientific curiosity and builds the skills necessary for more advanced science courses in high school. Topics include the structure and function of ecosystems, population growth and human resource use, biodiversity and species interactions, Earth's changing surface and atmospheric systems, renewable and nonrenewable energy sources, sustainable practices and engineering solutions, and the environmental impacts of humans across local and global scales.

Life Science for Middle School

Middle School Life Science is a two-semester course designed to build a deep, conceptual understanding of living systems. Using a phenomenon-based, inquiry-driven approach, students explore core biological principles through real-world applications, scientific modeling, and data-driven investigations. Through hands-on labs, digital simulations, data analysis, and model development, students construct evidence-based explanations of biological processes and systems. This course prepares students for future STEM pathways by fostering scientific reasoning, problem-solving, and literacy. Core topics include: From Molecules to Organisms, Inheritance and Genetic Variation, Matter and Energy in Life, Ecosystem Interactions, Natural Selection and Common Ancestry, and Human Biology and Biotechnology.

Physical Science for Middle School

This digital physical science course for middle school students uses a phenomena-based storyline approach to help learners make sense of the physical world. Students follow engaging storylines that connect world science questions about matter, motion, energy, waves and electromagnetism. Each unit builds curiosity as students investigate observable phenomena, explore how things work, and begin to see themselves as scientists and engineers. Through videos, simulations, guided investigations and hands-on activities, students explore topics such as structure and properties of matter, chemical reactions, force and motion, energy transformations, waves, and electricity and magnetism. Students learn to ask scientific questions, plan and carry out investigations and construct evidence-based explanations, with strong support for developing science and engineering practices.

05

World Languages

Students communicate in a language other than English, gain knowledge and understanding of other cultures, connect with other disciplines, acquire information through a language other than English, compare differences between the languages and cultures of the students' native language and the target language, and participate in multilingual communities at home and around the world. Students who plan to attend UC/CSU institutions need to have 2 years of the same language courses. College-bound athletes will need to have 4 years of accepted additional courses (LOTE courses accepted) to practice, receive athletic scholarships, and/or compete during their first year. All Subject language courses are UC A-G and NCAA approved.

HIGH SCHOOL

American Sign Language

NCAA

American Sign Language is an introduction to the fundamentals of ASL, with a focus on both receptive and expressive communication. Students will build foundational skills through vocabulary development, fingerspelling, grammar, and visual storytelling, all while gaining insight into the rich history and values of Deaf culture. The course is conducted primarily in ASL, using visual cues, gestures, and immersive activities to simulate a natural signing environment. Students will actively participate in interactive tasks designed to strengthen comprehension and signing fluency. By the end of the course, students will be able to engage in basic conversations in ASL and demonstrate an understanding of the contributions and experiences of the Deaf community.

French I

NCAA

In this course students will develop an introductory understanding of the French language and cultures of French-speaking countries. This course uses the four modes of expression including: listening, speaking, writing and reading. The main goal of this course is for students to develop, on a daily basis, receptive and productive skills that will allow them to communicate efficiently in French. Through age- and stage-appropriate thematic topics for French I such as daily greetings, family and friends, leisure/hobbies, shopping and restaurants, and authentic resources such as songs, movies and documentaries related to French culture. The speaking and writing skills in this course will prepare students for French III and future language courses.

French II

NCAA

French II is a continuation to the introduction to the French language and Francophone communities focusing on four modes of expression including: listening, speaking, writing and reading. The main goal of this course is for students to develop, on a daily basis, receptive and productive skills that will allow them to communicate efficiently in French. Through age- and stage-appropriate thematic topics for French II such as: daily greetings, family, friends, leisure/hobbies, shopping and restaurants and authentic resources such as songs, movies and documentaries related to French culture, students learn to create more complex sentences using different tenses and moods. The speaking and writing skills in this course will prepare students for French III and future language courses.

French III

NCAA

Google Classroom

In this class students will further their ability to communicate in French through speaking, listening, reading, and writing. Through thematic units such as travel, gastronomy or the environment, students will engage in real-world contexts and deepen their knowledge of Francophone cultures. Students will study, discuss and compare authentic materials from the French-speaking world: print and video travel ads, short news articles, poems and songs, interviews, etc. Other class activities will include cultural projects, creative writing, and participating in simulated interviews and debates. By the end of the course, students will be able to engage in interpersonal, interpretive and presentational communication about personal and some general interest topics in French, at the intermediate level. This course is conducted primarily in French and prepares students for continued study in French IV or AP French.

French IV for Athletic Professionals

NCAA

Sports for Professionals is an advanced language and culture course designed for high school student-athletes preparing for collegiate and professional success in the United States. Through engaging, real-world themes—including applying to college, thriving as a student-athlete, cross-cultural communication, the global business of sports, personal branding, social media marketing, and health and injury prevention—students will deepen their French proficiency while developing skills essential to their future careers. With a focus on authentic communication, students will analyze media, create athlete-centered content, and participate in tasks that mirror the demands of athletic and academic life in multicultural environments. This course is conducted entirely in French.

Spanish I

NCAA

In this course students will develop an introductory understanding of the Spanish language and cultures of Spanish-speaking countries as well as in their daily lives. Students will self-reflect and make connections as they learn to communicate in the target language about themselves, their daily lives, their communities, and the world. Learners will be introduced to basic pronunciation, vocabulary and grammatical structures through reading, writing, speaking and listening. They will also be able to identify common practices, products and perspectives associated with the cultures of Spanish-speaking countries. By the end of this course, learners will have a novice-level proficiency and the ability to communicate about a variety of familiar topics, such as friends and family, food, sports, shopping and travel in the present tense. The speaking and writing skills in this course will prepare students for Spanish II and future language courses.

Spanish II

NCAA

Spanish II continues to build on the foundational vocabulary and grammar skills acquired in Spanish I and further explores the cultures of Spanish-speaking countries. Reading, writing, listening and speaking skills remain the key focus as learners expand their vocabulary to communicate in greater detail about familiar topics in a variety of both present, past, and future tenses. Learners will complete Spanish II with an intermediate level of proficiency. The speaking and writing skills in this course will prepare students for Spanish III and future language courses.

Spanish III

NCAA

Spanish III builds on students' foundational knowledge and strengthens proficiency across all four language skills: reading, writing, speaking, and listening. Students will engage in a range of real-world tasks—interpreting media like advertisements, role-playing everyday situations such as shopping, and delivering short presentations on topics like Spanish-speaking celebrities. Throughout the course, students will explore the rich cultural diversity of the Spanish-speaking world by interacting with authentic materials that highlight key products, practices, and perspectives. By the end of the course, students are expected to achieve an Intermediate proficiency level as defined by ACTFL. At this level, students can handle simple conversations and tasks related to personal topics—such as family, hobbies, travel, and daily life—with growing confidence.

Spanish IV for Athletic Professionals

NCAA

Google Classroom

Spanish IV - Sports for Professionals is an advanced language and culture course designed for high school student-athletes preparing for collegiate and professional success in the United States. Through engaging, real-world themes—including applying to college, thriving as a student-athlete, cross-cultural communication, the global business of sports, personal branding, social media marketing, and health and injury prevention—students will deepen their Spanish proficiency while developing skills essential to their future careers. With a focus on authentic communication, students will analyze media, create athlete-centered content, and participate in tasks that mirror the demands of athletic and academic life in multicultural environments. This course is conducted entirely in Spanish.

AP French Language and Culture

NCAA

The AP French Language and Culture course engages students in an exploration of the cultures of the French-speaking world. The course is organized around six core themes: global challenges, science and technology, contemporary life, personal and public identities, family and communities, and beauty and aesthetics. Along with the six themes, the course will prepare students to interact with texts and others in three different modes: interpretive (making sense of text), interpersonal (speaking and writing to others), and presentational (presenting information in a written and oral format). The course prepares students to demonstrate their ability to use the target language in real-life situations in and beyond the classroom. This course is conducted in French and is equivalent to an upper-intermediate college or university course in French language and culture.

AP Spanish Language and Culture

NCAA

Google Classroom

AP Spanish Language and Culture is designed for students aiming to achieve fluency in Spanish while gaining a deeper understanding of the diverse cultures of the Spanish-speaking world. Equivalent to an intermediate-level college course, this class emphasizes real-world communication through speaking, listening, reading, and writing. Students engage in a variety of authentic materials—such as articles, podcasts, films, and literary texts—to explore six thematic units: Families and Communities, Personal and Public Identities, Beauty and Aesthetics, Science and Technology, Contemporary Life, and Global Challenges. The course is conducted almost entirely in Spanish, fostering immersion and cultural insight. Students will develop their skills across three modes of communication: interpersonal, interpretive, and presentational. By the end of the course, students will be well-prepared for the AP exam and for continued success in college-level Spanish studies.

06 Visual and Performing Arts

Subject offers a range of art courses for both traditional and digital interests. Most colleges and universities require at least one high school credit in visual and performing arts for admission. All Subject art courses are UC A-G approved.

HIGH SCHOOL

Introduction to Art

NCAA

This course builds foundational skills in visual arts while encouraging creative expression and personal voice. Students will explore a variety of mediums—including drawing, painting, sculpture, and digital design—while learning essential techniques, art vocabulary, and the elements and principles of design. Through hands-on projects, students will examine major art movements, study the work of influential artists, and reflect on how art connects to culture, history, and identity. This course emphasizes both technical growth and creative problem-solving, providing a well-rounded introduction to the visual arts and laying the groundwork for more advanced art courses.

Drawing I

NCAA

Semester Course

In this course, students will learn how to create using observation, while they build visual literacy skills. Students will explore drawing techniques, analyze and interpret visual evidence, and explore context in artworks. Throughout the course, students will create regular sketches along with building a portfolio of original works and written reflections on their artistic process. Although there is no prerequisite for Drawing I, prior experiences learning about and/or practicing art will contribute to student success throughout the course. The skills and methods taught in this course will prepare students for future college courses in visual and fine arts, as well as architecture, and help them learn about broad career paths in the arts.

Photography I

NCAA

Semester Course

In this course students will develop a beginning understanding of the field of photography and photographic techniques. In this course, students will explore both camera and editing techniques, as well as photographic developments throughout history. There will be multiple opportunities for students to practice photography creation and analysis and engage in inquiry-based investigations. The analytical skills in this course will prepare students for future college courses and career paths in photography analysis, history, and production.

Art History

NCAA

Art History introduces students to major works of art from a variety of cultures and time periods, exploring how art reflects historical, cultural, and social movements. Students will analyze visual elements, materials, and artistic techniques while learning how to interpret and discuss art with confidence. The course builds visual literacy and helps students understand the global impact of artistic expression.

AP Art History

NCAA

AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing 250 core works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and in understanding purpose and audience of art historical analysis.

Music Production and Digital Media

NCAA

Semester Course

In this course students will develop an understanding of the fundamentals of music production and digital media. Students will use free online resources to make beats, write melodies, record vocals, mix multi-track recordings, and master songs and instrumentals. In addition, students will make music reflecting the aesthetics of different eras of Hip Hop, create and edit videos for their music, write and record a podcast about a genre/artist they select, and learn how artists promote their content online. The thinking skills in this course will prepare students for future success in digital media coursework and career paths in music production, digital media, or other creative industries.

AP Music Theory

NCAA

AP Music Theory is a dynamic course designed to teach students musical concepts in preparation for the AP Music Theory Exam and to promote success as musicians in the real world. By using a college-level music theory and sight singing textbook, this course will develop and challenge the student's skills in recognizing, analyzing, and assessing basic ideas presented on a musical score. Student's musical skills will be enhanced and developed through ear training, score analysis, application to instruments, converting between performed and notated music, and composition through the use of digital audio workstations (DAW) and notation software. Students will have the opportunity to practice audio playback and recording using a piano or electronic keyboard. This course does focus specifically on the Common Practice Period (1600-1900), however, modern concepts and examples are used and studied in conjunction. Students are encouraged to sit for the College Board's Advanced Placement Music Theory Examination.

07

Health and Physical Education

Health and physical education are a vital part of education. Subject's courses explore each from a perspective of practical application. College-bound athletes with rigorous athletic schedules have the option for independent study courses tailored to the program they participate in, provided the program meets a daily hour minimum requirement. The Health course is UC A-G approved.

HIGH SCHOOL

Health

NCAA

Semester Course

In this course, students build an introductory understanding of the physical, mental, emotional, and social dimensions of health. We focus on preventing disease, reducing health-related risk behaviors, and developing the knowledge, habits, and skills that support lifelong wellness and academic success. Students explore units such as Introduction to Health and Wellness, Mental Health, Nutrition, Physical Fitness, Communicable and Noncommunicable Diseases, Drug Awareness, and First Aid/Safety. The comprehensive version also includes factual, age-appropriate content related to reproductive health, contraception, and preventing pregnancy and STIs, with a focus on respect, safety, and healthy relationships. The skills developed in this course will prepare students for future personal health, success in college courses, and career paths in health, wellness, and medicine.

Physical Education

In this course students will develop an understanding of the physical, mental, emotional, and social aspects of physical education. This course focuses on improving knowledge of muscle groups and movements, effective and safe physical exercise, conditioning and training, and rules used in sports. The skills developed in this course will prepare students for future personal health, success in college courses, and career paths in health, wellness, and medicine.

08 Electives

Subject offers a variety of general and career electives for today's learner, and the catalog is always expanding. Subject Virtual School students need approximately four electives for graduation. All Subject elective courses are UC A-G approved.

HIGH SCHOOL

AP Computer Science

[Google Classroom](#)

AP Computer Science A is a college-level course that introduces students to the fundamentals of programming using the Java language. Through hands-on coding and algorithm development, students learn to design, implement, and analyze programs that solve real-world problems. Key topics include object-oriented programming, control structures, data structures (such as arrays and ArrayLists), recursion, and class design. The course emphasizes computational thinking practices like program design, code implementation, testing, and documentation. Students will engage in at least 20 hours of structured lab work, developing practical skills in debugging, modularity, and abstraction. By the end of the course, students will be well-prepared for the AP exam and for further study in computer science or related fields.

Cryptocurrency

Semester Course

In this course students will develop an understanding of cryptocurrency that explores concepts of money and how cryptocurrency is an innovative form of new money. This course will explore government and bank regulations and how these can both help and hinder trade within the United States and throughout the world. Students will learn new concepts and terms such as cryptocurrency mining, blockchains, nodes, and hot and cold storage for crypto. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios and engage in realistic simulations and projects. The thinking skills in this course will prepare students for future success in college level coursework and career paths in finance, investing, and accounting.

Digital Media Literacy

Semester Course

In today's digital age, being a good citizen isn't just about the real world—it's just as important online! This course equips students with the essential skills to navigate the internet safely, respectfully, and responsibly. Through engaging lessons and real-world scenarios, students will explore topics such as online privacy, cyberbullying, digital footprints, media literacy, and ethical online behavior. Students will learn how to evaluate online information, protect their personal data, communicate effectively in digital spaces, and make informed choices about their online presence. By the end of the course, they will be prepared to confidently and safely engage in the digital world while fostering positive and respectful online communities.

Financial Literacy I

Semester Course

In this course students will develop an understanding of budgeting and investing that focuses on the maintenance of finances, future investment practices, and insights into successful stock market and investing. This course will examine human capital, budgeting, insurance, risk management, banking and saving, wealth building, and retirement saving. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios and engage in realistic simulations and projects. The financial thinking skills in this course will prepare students for personal financial success, future success in college level coursework and career paths in finance, consumer economics, or accounting.

Financial Literacy II

Semester Course

In this course students will develop financial literacy by learning about essential financial topics such as income, expenses, banking, budgeting and the basics of investing. Students will be introduced to investment theory through learning about retirement investing, real estate investing, and venture capital investing. Students will be required to develop well-supported arguments about what they have learned about personal finance. The personal finance skills developed in this course build off of what they have learned in Financial Literacy I and will prepare students for managing their own finances.

Intro to Engineering

NCAA

In this course students will develop an introductory understanding of engineering that explores authentic engineering practices, develops design skills, and fosters engineering habits of mind. This course will provide students the opportunity to define and solve problems, develop and use models, plan and carry out investigations, analyze and interpret data, use mathematical models and computations, design solutions, engage in argument from evidence and obtain, evaluate, and communicate information. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios and engage in realistic simulations and projects. The thinking skills in this course will prepare students for future success in college level coursework and career paths in engineering.

Intro to NFTs

Semester Course

In this course students will develop an understanding of the fundamentals of non-fungible tokens (NFTs). The course will cover elements related to the underlying blockchain technology as well as the intersection of NFTs with the concept of the Metaverse. A basic understanding of blockchain technology and/or cryptocurrency is not a requirement but is highly suggested. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios and engage in realistic case studies and projects. The thinking skills in this course will prepare students for future success in college-level coursework and career paths in finance, consumer economics, or blockchain technologies.

Introduction to Business Management

Coming Soon

This course offers students a foundational look at how businesses operate and what it takes to lead and manage successfully. Topics include organizational structures, leadership styles, marketing, finance, and entrepreneurship. Students will explore real-world case studies, develop problem-solving skills, and gain insight into the day-to-day decisions that drive business success.

Introduction to Computer Science

NCAA

In this course students will develop foundational computer science skills by learning about early computing, the information highway and modern computing. Students will explore the founding mothers and fathers of technology, hardware and programming, operating systems, troubleshooting and maintenance, block coding, algorithms and programming logic, Scratch, Pseudocode, Micro:Bit, distributive networks, and cybersecurity (including attacks, prevention, and encryption). The computer science skills developed in this course will prepare students for future college courses and career paths in computer science, including programming and information technology.

Introduction to Public Speaking & Communications

Semester Course

Introduction to Public Speaking & Communication introduces students to the fundamentals of communication and speech, equipping them with the skills needed to express themselves effectively in a wide range of situations. Students will explore key principles of verbal and nonverbal communication, as well as active listening. They will also explore informative and persuasive speech styles, while examining how these skills translate into the digital media they use every day. By analyzing how social media, video content, podcasts, and online messaging influence modern communication, students will develop critical thinking skills to navigate and participate in digital discourse. By the end of the course, students will be confident communicators who can adapt their message for different audiences in both personal and professional settings.

Learning Strategies

Semester Course

Success in school isn't just about intelligence—it's about having the right strategies to learn, stay organized, and manage challenges effectively. This engaging course equips students with essential academic skills to build confidence, resilience, and self-management habits that support lifelong learning. Students will explore topics such as goal setting, time management, metacognition, and perseverance while making connections between their personal learning styles and effective study techniques. They will develop a growth mindset, learn how to balance school and personal responsibilities and discover how to adapt their strategies for different challenges. Throughout the course, students will gain insights into building positive relationships with teachers and peers, handling mistakes as learning opportunities, and developing critical thinking skills to enhance their academic performance.

Programming I: Introduction to Python

Google Classroom

Semester Course

Programming I introduces students to the world of Python programming. Students will begin to learn procedural programming such as data types, variables, operators, loops, conditions, functions and lists. Creating a strong foundational understanding of syntax programming from which students can build upon for future study.

Programming II: Advanced Python

Google Classroom

Semester Course

Programming II elevates students to an advanced level of Python programming. Students will step into the world of Object-Oriented Programming to learn concepts such as file handling, classes, objects, attributes, Inheritance, and more. This course is all about hands-on learning as students build more complex programs adding in new layers of understanding as they develop more advanced skills.

Programming III: Introduction to Java

Google Classroom

Semester Course

Programming III introduces students to the world of Java programming. Students will begin to learn basic coding concepts such as data types, variables, operators, loops, conditions, functions, and lists. Java is a 3rd generation programming language that can be more challenging to learn than 5th generation programming languages such as Python. This course will help build up students' confidence using simple projects to help them gain experience as a programmer.

Programming IV: Advanced Java

Google Classroom

Semester Course

Programming IV steps up the challenge enhancing students' understanding of Java programming. Students will begin to understand the power of Object-Oriented Programming learning how to create classes, objects, constructors, inheritance, encapsulation, and more. This course will have interactive lessons and hands-on learning as students begin to develop multi-file programs integrating more intermediate skills.

Senior Seminar

Semester Course

In this course students will develop an understanding of important topics that will prepare them to be successful in life after high school. Students will learn about self-awareness, evaluating their own strengths and how to leverage these for their future course of study or career. They will also learn important tools for healthy relationships and communication both in their personal lives and in the workplace. Senior Seminar also focuses on topics related to independent living, such as managing money, health and safety and general home maintenance. The thinking skills in this course will prepare students for future success in their personal lives, professional lives, and academic lives.

Test Prep: SAT & ACT

Google Classroom

This one-semester course prepares students for success on both the math and literacy sections of the SAT and ACT. In the math component, students review and deepen their understanding of algebra, functions, geometry, statistics, and data analysis, with emphasis on efficient problem-solving strategies, interpreting graphs and tables, and building fluency with calculator and non-calculator question types. In the reading and writing component, students develop close reading strategies for informational and literary texts, practice interpreting evidence-based questions, and build vocabulary through context clues, word roots, and academic language study. Timed passages, test-taking strategies, and familiarity with question formats are woven throughout, helping students approach high-stakes assessments with confidence and precision.

Career and College Readiness: Career Prep

Coming Soon

This course builds foundational skills in visual arts while encouraging creative expression and personal voice. Students will explore a variety of mediums—including drawing, painting, sculpture, and digital design—while learning essential techniques, art vocabulary, and the elements and principles of design. Through hands-on projects, students will examine major art movements, study the work of influential artists, and reflect on how art connects to culture, history, and identity. This course emphasizes both technical growth and creative problem-solving, providing a well-rounded introduction to the visual arts and laying the groundwork for more advanced art courses.

Test Prep: Math

Coming Soon

Test Prep: Math is a single-semester course focused on strengthening the mathematical reasoning and problem-solving skills assessed on the math sections of the SAT and ACT. Students review and deepen their understanding of algebra, functions, geometry, statistics, and data analysis through the lens of standardized test content. Emphasis is placed on efficient problem-solving strategies, interpreting graphs and tables, and building fluency with calculator and non-calculator question types so students can perform confidently under timed conditions.

Test Prep: Reading and Vocabulary

Coming Soon

Test Prep: Reading and Vocabulary is a single-semester course designed to build the literacy skills students need to succeed on college entrance assessments such as the SAT and ACT. Students develop close reading strategies for informational and literary texts, practice interpreting evidence-based questions, and build vocabulary through context clues, word roots, and academic language study. Timed reading passages, test-taking strategies, and familiarity with question formats are woven throughout the course, helping students approach high-stakes assessments with confidence and precision.

09

English Language Development

HIGH SCHOOL

English Language Development I

Coming Soon

ELD I is a full-year course designed for high school students who have completed a newcomer program, are beginning to build their English proficiency, and are ready to engage with structured academic language in a supportive, scaffolded environment. Organized around high-interest, content-rich units exploring topics such as organism survival, natural disasters, engineering and design, perseverance, and the power of storytelling, students develop language skills across all four domains: listening, speaking, reading (informational and narrative text), and writing. Each unit is anchored by a shared narrative and a central question, guiding students through tasks that build core academic vocabulary, basic cause-and-effect relationships, sequencing, and sentence-level language structures. By the end of the course, students will be able to describe, explain, and respond to grade-level academic content using foundational language structures with developing independence.

English Language Development II

Coming Soon

ELD II is a full-year course designed for high school students who have moved beyond foundational English skills and are building toward greater fluency, complexity, and independence in academic language use. Following the same thematic sequence as ELD I—spanning survival and adaptation, natural disasters, engineering solutions, perseverance, creative skill, and the role of storytelling in shaping identity—students encounter increasingly sophisticated language demands while working within familiar contexts. Each unit guides students through listening, speaking, reading, and writing experiences tied to an essential question, with instruction that builds the ability to explain relationships between ideas, sustain academic conversations, and produce multi-sentence paragraphs with cohesive details. By the end of the course, students will analyze, explain, and discuss academic content with growing precision and increasing independence.

English Language Development III

Coming Soon

ELD III is a full-year course designed for high school students who are approaching grade-level proficiency in academic English and are ready to engage with complex texts, nuanced ideas, and sophisticated language across all four domains. Built around the same thematic units and narrative arc shared across the ELD sequence—including organism adaptation, natural disasters, engineering and design, perseverance, and the transformative power of language and storytelling—the course challenges students to move beyond comprehension and description toward evaluating author choices, justifying claims with evidence, and interpreting meaning across texts and contexts. Students participate in substantive academic discussions, defend positions using precise vocabulary and complex syntax, and produce well-organized multi-paragraph writing that synthesizes ideas and advances a clear argument or interpretation. By the end of the course, students will demonstrate near grade-level command of academic English and the confidence to engage as skilled communicators across a wide range of academic and real-world contexts.

10

Middle School — ELA

MIDDLE SCHOOL

English 6

This course is an exploration of reading, writing, language, and analysis, designed to build strong foundational literacy skills. Students will engage with a wide variety of texts to deepen their understanding of theme, structure, and craft. Through close reading and analytical strategies, students will develop the ability to make inferences, cite textual evidence, and evaluate arguments across genres. Students will also strengthen their grammar, vocabulary, and language conventions while writing across multiple modes, such as narrative, informative, argumentative, and literary analysis. Emphasis will be placed on maintaining a clear voice, tone, and purpose in writing. Students are assessed through a variety of formative and summative tasks, including essays, creative projects, presentations, quizzes, and discussions.

English 7

This seventh grade English Language Arts (ELA) helps students to understand and harness the power of language. This course is designed to empower students as they build the confidence and skills needed to use language to navigate the world with clarity and purpose. Students will grow as readers, writers, speakers, and critical thinkers. They will explore high-quality texts, make meaningful connections to the course content, and work on engaging projects. By reading classic literature and modern informational texts, and completing real-world writing tasks, students will learn how words can inspire, advocate, and connect.

English 8

This eighth grade English Language Arts (ELA) is designed to engage students in critical thinking, reading, writing, and speaking through the exploration of a wide variety of texts and meaningful real-world applications. The curriculum emphasizes the development of analytical, argumentative, and research skills while fostering an appreciation for literature and effective communication. This course helps students become thoughtful readers, persuasive writers, and effective communicators, fostering the critical literacy skills students need to navigate complex texts and confidently articulate their ideas.

11

Middle School — History

MIDDLE SCHOOL

Ancient World History for Middle School

This course is an introduction to the early civilizations that shaped the modern world, focusing on historical inquiry, critical thinking, and global perspectives. Students will explore the geographic, political, economic, religious, and social structures of major civilizations, including those of Mesopotamia, Egypt, Kush, the Hebrews, Greece, India, China, and Rome. Through the analysis of primary sources, maps, timelines, and artifacts, students will gain foundational historical skills and an understanding of the human journey from the Paleolithic era to the fall of the Roman Empire. By the end of the course, students will be equipped with historical literacy and a deeper appreciation for the enduring legacies of the ancient world.

United States History for Middle School

Middle School U.S. History offers students an immersive journey through the key events, figures, and ideas that have shaped the United States from its founding through the 19th century. This course gives students a comprehensive understanding of America's past, fostering an appreciation for the nation's diverse heritage and the democratic principles that continue to shape its future. By engaging with historical content through interactive and reflective practices, students develop skills for critical thinking and historical analysis, encouraging students to draw connections between history and the present day.

World Geography and Culture for Middle School

World Cultures and Geography is a year-long survey of global geography, presented region-by-region. This course focuses on cultural geography, and asks students to look at the Earth through various different perspectives. Students are assessed through a combination of formative and summative tools, ranging from map creation and analysis, to argumentative and narrative writing, inquiry-based projects, in-lesson readings, as well as checks for understanding, quizzes, and exams. The course requires practice in geographic analysis, using source material ranging from maps and imagery to charts, graphs, and tables.

12 Middle School — Mathematics

MIDDLE SCHOOL

Math 6

Math 6 introduces students to foundational middle school mathematics concepts, including number operations, ratios and rates, algebraic expressions and equations, geometry, and data analysis. Throughout the course, students engage in hands-on problem solving, real-world applications, and mathematical modeling to build both conceptual understanding and procedural fluency. Lessons encourage students to think critically, communicate their reasoning, and collaborate with peers as they explore numerical reasoning, algebraic thinking, geometric concepts, and data interpretation. By strengthening these essential skills, students gain the confidence and mathematical literacy needed for success in future coursework and everyday decision-making.

Math 7

Math 7 expands students' mathematical understanding through proportional reasoning, rational number operations, algebraic expressions and equations, geometry, and introductory statistics and probability. Students engage in real-world applications, mathematical modeling, and collaborative problem solving to deepen both conceptual understanding and procedural fluency. Lessons encourage students to justify their thinking, communicate mathematically, and explore multiple strategies for solving problems involving proportional relationships, equations and inequalities, geometric measurements, and data analysis.

Math 8

Math 8 strengthens students' foundational math skills while introducing more advanced concepts that prepare them for high school algebra and beyond. Students deepen their understanding of rational and irrational numbers, real number properties, and scientific notation. They investigate proportional and linear relationships by analyzing equations, tables, and graphs, and they expand their algebraic thinking by solving linear equations and inequalities. Students also explore functions as a way to describe relationships between quantities, and they apply statistical reasoning to interpret scatterplots, trends, and real-world data.

13 Middle School — Sciences**MIDDLE SCHOOL****Earth and Space Science for Middle School**

Middle School Earth and Space Science is a two-semester course that takes students on a phenomenon-based journey through Earth's systems and its place in the solar system. Using a storyline-driven approach, students investigate topics such as geologic time, plate tectonics, weather and climate, natural hazards, resource use, and the impact of human activity on the planet. Each unit is anchored in real-world phenomena to build conceptual understanding and promote scientific reasoning. Through hands-on labs, virtual investigations, data analysis, and model-building, students develop the skills to observe, explain, and explore Earth's processes. The course encourages curiosity, critical thinking, and problem-solving while laying a strong foundation for science at the high school level.

Environmental Science for Middle School

Middle School Environmental Science is a two-semester, phenomenon-driven course that introduces students to Earth's systems, and interactions between living and nonliving things. Designed to help students build foundational scientific inquiry skills while exploring environmental issues at a local and global scale. They begin to think like scientists and engineers by modeling natural processes, identifying cause-and-effect relationships, and evaluating simple solutions to environmental problems that exist in the world around them. Topics include the structure and function of ecosystems, population growth and human resource use, biodiversity and species interactions, Earth's changing surface and atmospheric systems, renewable and nonrenewable energy sources, sustainable practices and engineering solutions, and the environmental impacts of humans across local and global scales.

Life Science for Middle School

Middle School Life Science is a two-semester course designed to build a deep, conceptual understanding of living systems. Using a phenomenon-based, inquiry-driven approach, students explore core biological principles through real-world applications, scientific modeling, and data-driven investigations. Through hands-on labs, digital simulations, data analysis, and model development, students construct evidence-based explanations of biological processes and systems. This course prepares students for future STEM pathways by fostering scientific reasoning, problem-solving, and literacy. Core topics include: From Molecules to Organisms, Inheritance and Genetic Variation, Matter and Energy in Life, Ecosystem Interactions, Natural Selection and Common Ancestry, and Human Biology and Biotechnology.

Physical Science for Middle School

This digital physical science course for middle school students uses a phenomena-based storyline approach to help learners make sense of the physical world. Students follow engaging storylines that connect world science questions about matter, motion, energy, waves and electromagnetism. Each unit builds curiosity as students investigate observable phenomena, explore how things work, and begin to see themselves as scientists and engineers. Through videos, simulations, guided investigations and hands-on activities, students explore topics such as structure and properties of matter, chemical reactions, force and motion, energy transformations, waves, and electricity and magnetism.

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Career Technical Education Pathways

Subject's CTE pathways prepare students for college and career success by connecting academic learning to real-world industry contexts. Each pathway includes a sequence of courses aligned to a career cluster.

COMING SOON

Agriculture, Food & Natural Resources Career Cluster

Pathway: Plant Systems

Plant Systems

Explore the intersection of plant science, environmental sustainability, and horticulture business. This pathway utilizes a docuseries approach to guide students through soil science and advanced plant growth. Students gain hands-on insights into careers in landscaping and agriculture, learning to apply scientific theory to the practical management of natural resources.

Courses in this pathway:

Principles of Agriculture, Food & Natural Resources

Horticulture Science

Advanced Plant & Soil Science

Business, Marketing & Finance Career Cluster

Pathway: Management & Entrepreneurship; Business Administration

Management & Entrepreneurship; Business Administration

Step into the role of a founder and leader. In this pathway, students explore how businesses work in the global economy — from the first spark of an idea to the challenges of running and growing a company. Through "day in the life" case studies and a focus on ethical leadership, students learn key business terms and practice the communication skills they need to succeed in today's business world.

Courses in this pathway:

Principles of Marketing & Business

Entrepreneurship I

Accounting Fundamentals

Management Fundamentals

Health Science Career Cluster

Pathway: Health Data and Administration

Health Data and Administration

Discover how technology and healthcare connect to improve patient outcomes. This pathway bridges the gap between clinical theory and administrative practice, teaching students to manage vital patient data, protect privacy, and utilize digital health tools. Through simulations and medical terminology mastery, students develop the ethical framework and professional care required for the therapeutic and diagnostic healthcare fields.

Courses in this pathway:

Principles of Health Science

Medical Terminology

Health Informatics

Human Services Career Cluster

Pathway: Cosmetology Introduction

Cosmetology Introduction

Launch a career in beauty by blending creative artistry with technical discipline. This introductory pathway focuses on the science of hair, makeup, color theory, and other core cosmetology practices while establishing professional salon protocols. Students prioritize client communication and consultation skills, building the professional habits and technical foundation necessary for future licensure and salon management.

Courses in this pathway:

Principles of Cosmetology

Design and Color Theory

Information Technology Career Cluster

Pathway: Cybersecurity (Digital Technology)

Cybersecurity (Digital Technology)

Welcome to the exciting world of IT, where cybersecurity professionals work in network operations, security, and cyber defense. Students don't just learn about computers — they learn how to build them from scratch, configure complex networks, and diagnose real-world security threats. By mastering the "why" and "how" of modern hardware and operating systems, students develop the professional collaboration skills and technical vocabulary needed to protect the systems that power our world.

Courses in this pathway:

Fundamentals of Computer Science

Networking Fundamentals

Security Fundamentals