



Independence Charter Academy

Course Catalog

2018-2019



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literary element of conflict in informational texts. In addition, you will learn about the main characteristics of public speaking and deliver a persuasive speech. In the latter part of this course, you will investigate the topic of identity in literature. In the final unit, you will read novels and explore various literary elements.

English 8 (Language Arts 8) 10 Credits Full Academic Year

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

ENGLISH ELECTIVES

Creative Writing (11/12) 5 Credits Semester CSU/UC/NCAA

This one-semester elective course is intended as a practical, hands-on guide to help you learn and sharpen your skills as a creative writer. This course has 13 lessons and nine Course Activities. Each lesson contains one or more Lesson Activities. In Creative Writing, you will learn about the scope of creative writing and its genres. You will identify the key elements of prose and poetry. You will look at writing for stage, film, and TV. You will learn about theatrical and film techniques, as well as technical effects that are typically used in electronic media. You will look at writing for younger audiences, for advertising, and journalism. You will learn how the publishing industry works. At key points in this course, you will get to assess your own original writing (either through self-review against a set of guidelines or by a peer) and revise it before submission to the instructor. You will notice that extended writing tasks are typically planned for in the lesson activity and written in the course activity that follows. This is a writing intensive course. You will spend about 60 percent of your time doing original writing, reviewing, and rewriting. You will do a good deal of your original writing in the course activities. Your teacher will grade your work on the Course Activities, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Course Activities (submitted to the teacher) and the Lesson Activities (self-checked) are major components of this course. There are other assessment components, namely the mastery test questions that feature



along with the lesson and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology-enhanced questions.

English Literature & Composition 10 Credits **Full Academic Year** **CSU/UC/NCAA**

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

English Foundations 6 (Language Arts Lab 6) **10 Credits** **Full Academic Year**

Language Arts Comprehension (6) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for sixth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by sixth graders. Reading Comprehension (6) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for sixth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by sixth graders.

English Foundations 7 (Language Arts Lab 7) **10 Credits** **Full Academic Year**

Language Arts Comprehension (7) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for seventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by seventh graders. Reading Comprehension (7) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more



emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for seventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by seventh graders.

English Foundations 8 (Language Arts Lab 8) 10 Credits Full Academic Year

Language Arts Comprehension (8) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eighth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eighth graders. Reading Comprehension (8) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eighth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eighth graders.

English Foundations 9 10 Credits Full Academic Year

Language Arts Comprehension (9) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for ninth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by ninth graders. Reading Comprehension (9) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for ninth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by ninth graders.

English Foundations 10 10 Credits Full Academic Year

Language Arts Comprehension (10) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for tenth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by tenth graders. Reading Comprehension (10) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately



assessed for tenth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by tenth graders.

English Foundations 11

10 Credits

Full Academic Year

Language Arts Comprehension (11) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eleventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eleventh graders. Reading Comprehension (11) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eleventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eleventh graders. Language Arts Comprehension (11) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eleventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by twelfth graders. Reading Comprehension (11) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for twelfth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eleventh graders.

English Foundations 12

10 Credits

Full Academic Year

Language Arts Comprehension (12) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for twelfth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eleventh graders. Reading Comprehension (12) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eleventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages



that are required by twelfth graders. Language Arts Comprehension (12) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The language arts assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for twelfth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by twelfth graders. Reading Comprehension (12) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The reading assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for twelfth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by twelfth graders.

Math Requirements and Electives

Algebra I (9)

10 Credits Full Academic Year CSU/UC/NCAA

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

Integrated Math I (9)

10 Credits Full Academic Year CSU/UC/NCAA

Integrated Math is a comprehensive collection of mathematical concepts designed to give you a deeper understanding of the world around you. It includes ideas from algebra, geometry, probability and statistics, and trigonometry, and teaches them as interrelated disciplines. It's likely that you've been studying some form of integrated math since elementary school. In Integrated Math is a comprehensive collection of mathematical concepts designed to give you a deeper understanding of the world around you. It includes ideas from algebra, geometry, probability and statistics, and trigonometry, and teaches them as interrelated disciplines. You will learn about functions and use them to solve real-world math problems. You will study data collection methods and use different types of data plots to represent and analyze statistical data.



You will learn geometric theorems and rules and write proofs to support them. You will also explore congruency and similarity of triangles.

Geometry (10) 10 Credits Full Academic Year CSU/UC/NCAA

In Geometry A, you will explore rigid and non-rigid transformations of figures in the coordinate plane and use them to establish congruence and similarity of triangles and other shapes. You will also prove theorems about lines, angles, triangles, and parallelograms, and build geometric constructions using both basic tools and modern technology. In conclusion, you will apply your knowledge of triangles as you investigate the mathematics of trigonometry. In Geometry B, you will review the volume formulas for some common solid figures as you extend your knowledge of two-dimensional shapes to three-dimensional shapes. You will also transition from primarily Euclidean geometry to analytical geometry—a segment of geometry focused on numerical measurements and coordinate algebra. You will use analytical geometry and observations to investigate the properties of circles and constructions related to circles. Geometry B closes with a study of independent and conditional probability and how you can use probability models to represent situations arising in everyday life.

Integrated Math II (10-12) 10 Credits Full Academic Year CSU/UC/NCAA

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

Algebra II (10-12) 10 Credits Full Academic Year CSU/UC/NCAA

In Algebra 2A, you will perform operations and identify restrictions on rational expressions (expressions that contain rational numbers as coefficients). You will also analyze and graph polynomial functions. Algebra 2A will introduce you to a new concept, complex numbers. Complex numbers rely on an imaginary unit, i , where $i^2 = -1$. You will plot complex numbers in the complex number plane and solve quadratic equations in the complex number system. In Algebra 2B, you will begin with trigonometry, which is the study of how the sides and angles of a triangle are related. You will examine trigonometric functions and graphs in the context of the unit circle. You will extend your understanding of lines by classifying systems of linear equations. In prior courses, you solved inequalities by graphing. Here, you will solve systems of inequalities, including quadratic and absolute value inequalities that contain restrictions on the



variable. You will finish Algebra 2B by applying statistics and probability to make complex decisions.

Consumer Math (11-12) 10 Credits Full Academic Year CSU/UC/NCAA

Consumer Mathematics is designed to teach you about real-life financial situations that require everyday math skills. As a consumer, you will be earning, spending, and saving money. This course will help you make educated and responsible decisions regarding your finances. In this course, you will learn practical applications of math. You will learn how to plan a budget, manage bank accounts, and figure the cost of a good or service. You will also learn about taxes, payroll deductions, and how to invest and borrow money. This course will help you make informed decisions about buying or renting a home or car and teach you how to protect your purchases and investments with insurance. Finally, you will study economics, or the science of the creation, distribution, and consumption of goods and services. You'll see how economics affects you as an individual and how it affects the country. Additionally, there is one Course Activity that you need to work on throughout the duration of the course. This activity is a long-term project spread over the length of the course. The due date for this activity is to be determined by the course instructor. This course covers the fundamentals of bookkeeping and financial statements. It also covers career opportunities and the key government regulations in the accounting field.

Math (6) 10 Credits Full Academic Year

Using the tools in this course, you will learn more about how to solve problems using expressions and equations. When you understand how to work with numbers in equations, and how to manipulate equations, you can more easily solve problems you encounter in everyday life. By the end of this course, you will be able to do the following: Analyze proportional relationships, and determine the ratios that describe them. Use your own words to describe the relationship a ratio describes. Divide fractions by fractions. Work fluently with fractions and decimals, converting fractions to decimals and vice versa. Visualize numbers and ordered pairs by using number lines and the coordinate plane. Determine solutions to inequalities on number lines. Evaluate expressions using absolute values.

Math (7) 10 Credits Full Academic Year

In this course, you will: Identify the constant of proportionality in tables, graphs, diagrams, and descriptions of proportional relationships. Use equations to represent proportional relationships. Use proportional relationships to solve real-world and mathematical problems involving ratio and percent. Apply and extend your previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers. Convert a rational number to a decimal number using long division. Use variables to represent quantities in a real-world or



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mathematical problem and write simple expressions, equations, or inequalities to solve the problem. Use properties of operations to rewrite linear expressions in different forms.

Math (8) 10 Credits Full Academic Year

In math eight, you will: Explore and verify the properties of transformations and describe their effects. Understand that two figures are congruent or similar if one can be obtained from the other by a sequence of rotations, reflections, or translations. Examine the properties of the angles created when parallel lines are cut by a transversal. Solve linear equations with rational coefficients and give examples of linear equations with one, infinitely many, or no solutions. Graph proportional relationships, interpreting the unit rate as the slope, and compare two different proportional relationships represented in separate ways. Derive the equations $y = mx$ and $y = mx + b$. Use similar triangles to explain why the slope is the same between any two points on a line. Solve a system of linear equations algebraically and by finding the point of intersection. Solve real-world and mathematical problems with two linear equations. Understand functions, describe properties of linear and nonlinear functions, and compare properties of functions represented in separate ways. Construct and interpret functions given in verbal descriptions, two coordinate values, tables, or a graph.

MATH ELECTIVES

Pre-Calculus (10-12) 10 Credits Full Academic Year CSU/UC/NCAA

Studying higher algebra and trigonometry leads to a better understanding of calculus. In Precalculus A, you will explore and build your knowledge of inverse, trigonometric, and logarithmic functions; trigonometric identities; complex numbers; and vectors. You will also apply this knowledge to real-world situations. In this course will help you meet these goals: Write a function that describes a relationship between two quantities. Define and solve inverse functions, exponential functions, logarithmic functions, and trigonometric functions. Investigate exponential models and logarithmic models. Use the unit circle to manipulate, solve, and explain symmetry and periodicity of trigonometric functions. Find unknown measurements in right triangles. Examine and apply trigonometric identities. Measure the magnitude of vectors and use vectors to represent velocity in models. Apply vector operations of addition and multiplication to negative vectors. Examine polar coordinates in graphs. Perform advanced operations with complex numbers, including De Moivre's Theorem. Represent basic operations of complex numbers geometrically on the complex plane.

Math Foundations 6 (Math Lab 6) 10 Credits Full Academic Year



Math Foundations (6) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for sixth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by sixth graders.

Math Foundations 7 (Math Lab 7) 10 Credits Full Academic Year

Math Foundations (7) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for seventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by seventh graders.

Math Foundations 8 (Math Lab 8) 10 Credits Full Academic Year

Math Foundations (8) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eighth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eighth graders.

Math Foundations 9 (Mathquest) 10 Credits Full Academic Year

Math Foundations (9) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for ninth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by ninth graders.

Math Foundations 10 (Mathquest) 10 Credits Full Academic Year

Math Foundations (10) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for tenth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by tenth graders.

Math Foundations 11(Mathquest) 10 Credits Full Academic Year



Math Foundations (11) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for eleventh grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by eleventh graders.

Math Foundations 12 (Mathquest) 10 Credits Full Academic Year

Math Foundations (11) is designed to fill critical gaps in prior knowledge and target off-grade-level content areas needing more emphasis. The math assessment evaluates the knowledge and skill level of the student before preparing an individualized instructional program that has been accurately assessed for twelfth grade students. The prescription/class identifies specific target areas that need special attention to enable the student to comprehend reading passages that are required by twelfth graders.

Science Requirements and Electives

Biology I (9) 10 Credits Full Academic Year CSU/UC/NCAA

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

Earth Science (10) 10 Credits Full Academic Year CSU/UC/NCAA

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



role in keeping communities safe. It also explores how the growing human population poses challenges for the distribution of Earth's natural resources today and in the future.

Science (6) 10 Credits Full Academic Year

Science 6A is an integrated science course that covers topics selected from Earth and space science and physical science. This course discusses the structure and properties of matter, force interactions between objects, and Earth and space systems. In the first unit, you'll explore the composition of matter and atomic arrangements of substances. In the second unit, you'll identify forces and analyze the motion of objects using words, equations, and graphs. In the last unit, you will study interactions in the solar system and the role that gravity plays in the motion of celestial bodies. This course discusses Earth's history, its ecosystems, and its climate and weather. In the first unit, you'll explore the history of Earth and how natural forces such as wind and water shape its formation. In the second unit, you'll study the relationships between the physical and biological elements of Earth's ecosystems. In the last unit, you will discover how the uneven heating of Earth from the Sun leads to its various climates and weather patterns.

Science (7) 10 Credits Full Academic Year

Science 7A discusses the major life processes of organisms, including nutrition, growth and development, and reproduction. In the first unit, you'll explore the cell as the structural and functional unit of life. The second unit covers the growth, development, and modes of reproduction in different plants and animals. In the third unit, you'll learn about sensory receptors, photosynthesis, and cycles of energy transfer that occur in nature. Science 7B is about matter and energy. It discusses chemical changes that occur in matter, and it teaches how to identify different forms of energy. The course also covers force fields and the factors that affect their strength. In the first unit, you'll apply the law of conservation of energy to the products and reactants in a chemical reaction. In the second unit, you'll be introduced to gravitational, electric, and magnetic force fields. In the third unit, you'll learn more about energy transformations in objects and systems as you study kinetic energy, potential energy, and thermal energy.

Science (8) 10 Credits Full Academic Year

Science 8A is an integrated science course that covers topics selected from Earth science and life science. This course discusses genes and inheritance, the evolution of species, and managing energy resources on Earth. In the first unit, you will explain how an organism's genes transfer traits from parents to offspring. You'll also learn about genetic diversity and genetic mutations. In the second unit, you'll compare the anatomy and development of species to give evidence for evolution. You'll also see how fossils and rock strata on Earth hold important clues about evolution. In the third unit, you will differentiate between renewable and nonrenewable energy resources on Earth. You'll see how energy transforms as it moves from one sphere of Earth to another. In hands-on activities, you'll devise ways to harness and control energy for human benefit. Science 8B is an integrated science course that covers topics selected from Earth



and space science, physical science, and life science. This course discusses climate change and methods for confronting it, the physical features of waves and wave technology, and the positive and negative ways that humans and technology affect the Earth and its ecosystems. In the first unit, you'll study the factors that have led to climate change and explore scientific solutions to address these changes. In the second unit, you'll learn how waves and interactions between them can be used to develop modern technologies. In the third unit, you'll broaden your knowledge of technology-based and human-based threats to the environment and find ways to reduce their negative impact.

SCIENCE ELECTIVES

Physical Science (10/11) 10 Credits Full Academic Year CSU/UC/NCAA

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

Life Science (10/11) (ADD) 10 Credits Full Academic Year CSU/UC/NCAA

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

Chemistry (10/11) 10 Credits Full Academic Year CSU/UC/NCAA



Chemistry is considered one of the core scientific disciplines because it is so practical and widely useful in the modern world. The development of new types of materials, new methods of producing or storing energy, or new methods of interacting with genetic material all depend upon knowledge of chemistry. In Chemistry A, you will learn some of the “basics” of chemistry: the atomic and molecular structures that result in different chemical properties and the concepts and tools that will enable you to predict chemical properties and chemical reactions. In Chemistry B, you will learn about key types of chemical relationships and reactions, including solutions, reversible reactions, acid-base reactions, thermochemical systems, and electrochemical systems. You will use your knowledge to analyze new situations and make qualitative and quantitative predictions. Finally, you will extend your chemical knowledge into the areas of nuclear chemistry, organic chemistry, and biochemistry.

Physics (11/12) ADD 10 Credits Full Academic Year CSU/UC/NCAA

Physics is one of the three main fields of science, along with biology and chemistry. If asked what biology and chemistry deal with, most of us can come up with a one-word answer: life and chemicals respectively. Physics though, often seems like a grab bag of topics, including motion, magnets, machines, light, sound, and electrical circuits. The common thread running through all these things is that they each illustrate some very basic mathematical laws in our physical world. In brief, physics is the scientific study of matter, energy, and their most fundamental physical interactions, including attractions, repulsions, and collisions. In Physics A, you will learn about the “basics” of physics: how to describe and analyze motion, how forces interact with matter, and how to further describe these interactions with the aid of the concepts of energy and momentum. Finally, you’ll explore one more specialized topic, thermodynamics, the physics of heat. In Physics B, you will use your physical understanding of motion, forces and energy and apply that knowledge to some important, specialized topics in physics: the behavior of waves, applications of wave theory to light and optics, the interaction of electrical and magnetic forces, and the special “non-Newtonian” properties of energy and matter described by quantum theory.

Social Science Requirements and Electives

World History (9) 10 Credits Full Academic Year CSU/UC/NCAA

In World History Survey, Semester A, you’ll learn about major historical events, from the earliest human societies through the Middle Ages. In the first unit, you’ll learn about early humans, the Neolithic Revolution, and the development of civilizations in Mesopotamia, Egypt, India, and China. In the second and third units, you’ll study major world religions and classical civilizations of the world. In the last two units, you’ll study the history and society in the early and late Middle Ages. In World History Survey, Semester B, you will learn about notable events in world history from the first global age to the present day. In the first unit, you will study global exploration and expansion, the transoceanic slave trade, and the colonization of the Americas. You’ll also examine the Renaissance and Reformation in Europe. In the second unit,



you will identify the many different revolutions that occurred in world history during the 1600s and 1700s. In the third unit, you will examine nationalism and imperialism during the late 1700s and throughout the 1800s. In the fourth unit, you will study the events and impact of the two world wars. In the fifth unit, you will identify the rise of communism, the events of the Cold War, and the end of colonialism in Africa and Asia. In the last unit, you will examine the challenges and innovations of an increasingly globalized world.

United States History (10) 10 Credits Full Academic Year CSU/UC/NCAA

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

History (6) 10 Credits Full Academic Year

This course is designed to help you understand ancient history. The first unit delves into the skills used by historians to study the past. The first unit also traces the development of early humans. It will help you understand the importance of the Neolithic Revolution. In the second unit, you'll study the development of early civilizations of the Middle East and North Africa. The third unit explains the origin of different religions and the cultures associated with them. The first unit explores the major civilizations in India and China. In the second unit, you will examine early civilizations in the Mediterranean and the Aegean, as well as the rise of the Persian Empire and the city-states of Ancient Greece. You will also identify the spread of Greek civilization during and after the life of Alexander the Great. In the third and final unit, you will learn about ancient Rome, including its transition from a republic to empire and the legacy of ancient Greece and Rome. You will also examine the origins and main beliefs of Christianity.



History (7)

10 Credits Full Academic Year

In this course, you will learn about major historical events from the end of the classical empires through the Mongol invasions. In the first unit, you will study the collapse of the classical empires and the importance of the Byzantine Empire. You will also explore the development of western Europe in the early Middle Ages. In the second unit, you will analyze the rise of Islam. You will also study trade in China and the development of civilization in Japan and Korea. In the third unit, you will learn about the development of civilizations in the Middle Ages and the Mongol invasions. IN Semester 2 the first unit, you will learn about European society and the development of nation-states during the late Middle Ages. Next, you will study European exploration in the Americas and the effects on global trade. In the third unit, you will examine Renaissance culture. You will then learn about the Reformation and the Counter-Reformation. You will finish the course with an exploration of the Scientific Revolution and the Enlightenment. In Middle School US History, Semester B, you'll learn about major events that took place in American history. In the first unit, you'll analyze the importance of the Louisiana Purchase, the War of 1811, industrialization, and the Monroe era. In the second unit, you'll examine the Jacksonian era, the impact of westward expansion, the reform movements of the mid-1800s, and the abolitionist movement. In the third unit, you'll learn about the Civil War. You'll analyze the factors that led to the Civil War and the impact of the war on the United States. In the last unit, you'll explore the Reconstruction period.

History (8)

10 Credits Full Academic Year

In Middle School US History, Semester A, you'll learn about major events that took place in American history. In the first unit, you'll evaluate historical data to develop your historical thinking skills. In the second unit, you'll learn about the major events and developments of colonial America. In the third unit, you'll analyze the causes and effects of the American Revolution. In the last unit, you'll explore developments in the new nation, including the creation of the US Constitution, the Federalists and Anti Federalists, the administrations of George Washington and John Adams, and the importance of the election of 1800. Semester B, you'll learn about major events that took place in American history. In the first unit, you'll analyze the importance of the Louisiana Purchase, the War of 1811, industrialization, and the Monroe era. In the second unit, you'll examine the Jacksonian era, the impact of westward expansion, the reform movements of the mid-1800s, and the abolitionist movement. In the third unit, you'll learn about the Civil War. You'll analyze the factors that led to the Civil War and the impact of the war on the United States. In the last unit, you'll explore the Reconstruction period.

Government (12)

5 Credits Semester

CSU/UC/NCAA

US Government is the study of the founding principles of democracy in the United States, the structures and details of how the government functions, and the role of the individual citizen in participating in that democracy. In US Government, you will learn about the principles and events that led to the founding of the United States in the eighteenth century; examine how the



operations of the US government are spread among three branches of government and distributed between the national, state, and federal levels of government; explore the role of the individual citizen in the operations of the government; and, finally, apply these concepts to understanding the concrete areas of foreign, domestic, and economic policy. You'll explore timelines to gain an understanding of how events link to each other and to the structures of government that exist today, and you'll analyze historical documents for a firsthand sense of how government structures were designed. You'll also gather evidence from relevant documents and historical texts to develop credible explanations of how and why the government exists as it does. You'll then use that evidence to express viewpoints on the operations of government by writing essays and creating presentations about topics of relevance to modern US citizens.

Economics (12)

5 Credits

Semester

CSU/UC/NCAA

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

SOCIAL SCIENCE ELECTIVES

Honors United States History (11-12) 10 Credits Full Academic Year CSU/UC/NCAA

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

World Geography (9)

10 Credits

Full Academic Year CSU/UC/NCAA



Geography is the study of where things are in the world. It is important to know why people settled where they did: sometimes this is for weather-related reasons, and sometimes it's because of bountiful natural resources nearby. In this course, you will learn about these specific features which drive economic development and form the locales where people settle.

Native American History (11/12) ADD 5 Credits Semester CSU/UC/NCAA

This course examines the social, economic, religious, and political issues that Native Americans face in today's world. It looks at many Native American professionals and their efforts to eradicate the negative stereotypes that still surround Native American cultures. The course also sheds light on the important contributions that Native Americans have made to art and spirituality. And it demonstrates how both Native American traditions and the fight for Native American civil rights have shaped the history and social fabric of the United States.

African American History (11/12) ADD 5 Credits Semester CSU/UC/NCAA

Throughout US history, African Americans have faced great adversity in the form of enslavement and institutional racism. They fought for their freedom and worked to right a broken system, but their struggle continues today. This course studies the treatment of enslaved Africans as they were brought to America, the prejudices African Americans have experienced, and their key role in the social, political, and economic development of the United States.

Civics (11/12) ADD 10 Credits Full Academic Year CSU/UC/NCAA

A citizen is a person who is legally recognized by a state and entitled to the state's rights and privileges. Civics is the study of the rights and duties of such a person. One of the best ways to understand your rights and duties as a citizen is to study the government that defines and upholds them. In Civics A, you will learn about politics and government, and you'll analyze democracy which is the system of government used in the United States. Finally, you will examine the legislative, executive, and judicial branches of the U.S. Government. A course in Civics teaches you how to actively participate in governance and how you can help improve the quality of governance at all levels.

Sociology (11/12) ADD 5 Credits Semester CSU/UC/NCAA

This one-semester elective course is intended as a practical, hands-on guide to introduce you to the field of sociology. You will explore the evolution of sociology as a distinct social science, learn about sociological concepts and processes, and discuss how the individual relates to society. You will also learn about the influence of culture, social structure, socialization, and social change today. This course is structured into lessons and Course Activities as follows: The first lesson introduces students to the field of sociology and its development as a distinct discipline. You'll learn some important sociological concepts and processes in the second lesson. The third lesson describes diverse types of societies. In the fourth lesson, you'll learn about the contributions of pioneering sociologists to the field. The next three lessons discuss important sociological topics such as culture, social groups, socialization, and the various life stages. You



will understand the role of culture, groups, and socialization in society. In the next three lessons, you will learn about diverse topics such as deviance, social stratification, and inequality. You'll explore the causes and consequences of stratification and inequality in society. The next four lessons describe the roles of various social institutions such as family, polity, economy, education, religion, science and technology, and media in society. In the last two lessons, you will learn about various demographic concepts and theories of population growth. You will also dig into factors affecting social change and learn about various theories of social change and social movements.

Psychology (11/12) 10 Credits Full Academic Year CSU/UC/NCAA

This course is intended for you to familiarize yourself with the concepts and theories of psychology. This course has 13 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Psychology, Semester A, you will trace the history of psychology and examine key psychological theories. You will discuss human development and explain how the nervous and endocrine systems affect human development and behavior. You will explain various theories related to language development and acquisition. You will discuss the influence of heredity, environment, society, and culture on human behavior. Your teacher will grade your work on the Course Activities, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Course Activities and the Lesson Activities are major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology-enhanced questions.

VIDEO & PERFORMING ARTS

Video Production I 10 Credits Full Academic Year CSU/UC

This one-semester course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers. This course has 18 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover assorted topics in audio-video production, such as camera techniques, audio techniques, lighting techniques, editing, and video assembly. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities and the Lesson Activities are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit respectively, and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology enhanced questions.

Photo ADD 10 Credits Full Academic Year CSU/UC



This course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in photography careers. This course has 14 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover assorted topics in photography, such as history of photography, types of photography, types of camera, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities and the Lesson Activities are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit, respectively; and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology enhanced questions.

Art Appreciation (Art I) 10 Credits Full Academic Year CSU/UC

Art has played a significant role in every major civilization throughout the history of man. The emergence of different art forms often reflects the values that a civilization deems important: religion, labor, love, political change, or even commerce. Since artwork and cultural values are so closely related, studying art is a compelling way to learn about the people who produced it. Course Goals By the end of this course, you will be able to do the following: Identify the concepts of art, expression, and creativity. Demonstrate an understanding of art vocabulary and the art evaluation process. Identify principles and characteristics of Egyptian, Classical Greek, and Roman Art. Examine technological developments in Greek and Roman architecture. Identify and classify the main principles of Renaissance Art. Identify and analyze key aesthetic principles of art around the world. Evaluate and characterize the relationship between art and science in the early modern world. Assess the relationship between art and politics in the early modern world. Recognize and describe the cultural importance of modern design in the world today. Analyze pre-digital visual culture from the 1950s to the end of the 20th century.

Music Appreciation (Intro to Music) 10 Credits Full Academic Year CSU/UC

This one-semester elective course is intended as a practical, hands-on guide to help you understand, discuss, and appreciate music more knowledgeably. You will explore the history and evolution of music. You will also learn about the concepts and techniques in music and music listening. You will also learn about musical instruments, famous composers and artists, and key musical genres. This course is structured into lessons and Course Activities as follows: The first three lessons introduce you to the elements of music and musical notation. In the next four lessons, you'll learn about the history and progression of music from ancient times to the modern classical period. The next three lessons discuss the evolution of American folk music, and other musical forms of the Twentieth Century, such as Ragtime, Jazz, Swing, Creole, Blues, Pop, Rock and Roll, and Rock music. In the next three lessons, you will learn about the influence of music on society and culture, relationship between music and other art forms, and the role of music in



advertising and the electronic media. The next two lessons describe the various compositional and expressive devices, and methods of evaluating concerts. The last lesson describes various career paths in music, including performing, composing, producing, and arranging.

FOREIGN LANGUAGE

Spanish I (9-12)

10 Credits Full Academic Year CSU/UC/NCAA

Learning a language is a multi-faceted experience in which you are introduced to a whole new set of words and ways of expressing yourself with words, along with new cultures formed by people who have been speaking that language for centuries. The Spanish-speaking world is vast and rich, spanning Spain in the Iberian Peninsula and many parts of North, Central, and South America, all with varied ethnic and political histories and cultures. In Spanish 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll learn to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In Spanish 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You'll also describe various art forms, plays, concerts, and movies. You'll discuss health and well-being and travel and tourism. You'll build on what you learned in the Spanish 1B course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

Spanish II (9-12)

10 Credits Full Academic Year CSU/UC/NCAA

In Spanish 2A, you'll be reintroduced to Spanish in common situations, beginning with describing classes, school friends, teachers, and school supplies. You'll discuss assorted styles of



dressings, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. You'll also describe daily personal routines and schedules, household chores and family responsibilities. Finally, you'll discuss diverse types of cuisine, dining establishments, and dining etiquette. You'll build on what you learned in Spanish 1B to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In Spanish 2B, you'll be reintroduced to Spanish in common situations, beginning with various professions and career plans. You'll discuss traveling to different regions and the flora and fauna found in each region and describe diverse types of trips, including road trips, camping, and ecotourism. You'll also describe different hobbies, activities, and crafts that people enjoy. Finally, you'll discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury.

TECHNOLOGY

Computers (9)

10 Credits Full Academic Year CSU/UC/NCAA

This course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 20 lessons organized into five units, plus five Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover basic computer hardware and software and productivity applications such as word processing software, spreadsheet software, and presentation software. This course also covers the Internet and emerging technologies. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities and the Lesson Activities are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit respectively, and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology enhanced questions.

Digital Drafting and Design (10-12) 10 Credits Full Academic Year CSU/UC/NCAA

This one-semester course is intended as a practical, hands-on guide to help you understand the concepts of digital and interactive media. This course has 14 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover careers, training, and emerging technologies in digital media. This course familiarizes you with the concepts involved in digital media, such as graphic design, digital photography, principles of design, and digital printing. This course also covers copyright laws and fair use involved in digital media. You will submit the Unit Activity documents to your teacher, and you



will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit respectively; and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology enhanced questions.

PHYSICAL EDUCATION

Physical Education I (9) 10 Credits Full Academic Year CSU/UC

Your body is a machine that has certain needs—if you treat it well, it should be able to serve you well. But what can you do to promote a fit and healthy body? A course in physical education can show you. Physical education is instruction in exercise and physical activity. It teaches you how to maintain your personal fitness, how to measure various aspects of physical fitness, and how to avoid injury while exercising. It’s all about getting active and setting your body in motion. By measuring health and fitness with objective data, it’s possible to improve your health in a methodical way. Exercise helps you feel good about yourself and helps you sidestep the health problems that often accompany poor levels of fitness. The California Fitness Gram is the mandated assessment that each student takes at the completion of the course.

Physical Education II (10) 10 Credits Full Academic Year CSU/UC/NCAA

This course is intended as a practical, hands-on guide. It has 17 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover basic knowledge about nutrition and wellness such as basic concepts of nutrition, the digestive and metabolic processes, nutrient requirements, dietary guidelines, importance of physical fitness, community health issues, food managements, and careers in the field of nutrition and wellness. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities and the Lesson Activities are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit respectively, and an end-of-semester test. These tests are a combination of simple multiple-choice questions and technology enhanced questions.

Advanced Physical Education (10-12) 5 Credits Semester



Completion of an Interscholastic sport and earning a Varsity letter will count as five (5) elective credits per sport. Sportsmanship, team work development and professionalism are requirements for earning a grade for this course. The course also requires a daily activity log signed by the head coach and principal before earning credits.

Physical Education (6)

10 Credits

Full Academic Year

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

Physical Education (7)

10 Credits

Full Academic Year

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

Physical Education (8)

10 Credits

Full Academic Year

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

ELECTIVES

Life Skills (9-11)

10 Credits Full Academic Year

This elective course is intended as a practical, hands-on guide to help you improve your study habits and enhance your prospects for academic success, now and in the future. This course is not divided into units and doesn't have pretests by which you can earn credit. Instead, it is designed to help you improve your study skills regardless of your skill level at the time that you take the course. It is structured into lessons and Course Activities as follows: The first five lessons are about specific aspects of studying. Before and after these lessons, you will assess your study habits in two Course Activities. The last three lessons focus on writing as a process and using that process to write a research paper. The lessons are followed by a Course Activity in which you will submit a research paper. Semester B has 16 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. The course ends with a Course Activity in which you will create two essential components of a career portfolio: a résumé and a cover letter for applying for an entry-level job in your chosen career. This course covers all the career clusters in the National Career Clusters Framework. You'll explore the career pathways within each cluster, determine the academic and skill requirements for different career pathways, and learn about the jobs available in each pathway and the work these professionals do. This course will also guide you through the process of creating an academic and career plan based on you interests, abilities, and life goals.

A.S.B (6-11)

10 Credits Full Academic Year

Independence Charter Academy's ASB is a one-year course that can be taken every year from grades 6-11. The primary responsibilities of the Officers include communicating with the Student Body and representing Student Body, as well as the planning and production of all-school activities. In the process, we seek to promote citizenship, scholarship, leadership, and human relations. While organizing and promoting various events is the focus of the class, you will be expected to complete some specific academic assignments as well.



Independence Charter Academy's ASB Officers work hard at creating innovative activities and projects, and we want to see the tradition of quality continue. Unfortunately, the "quest for excellence" can also breed a divisive feeling of elitism and exclusiveness. We must always work to include, rather than exclude, as many members of our student body as possible in our activities. Our goal is to offer service—be that service small or great. Our answer, when asked if we can help, should be "YES".

Health (9-11) 5 Credits Semester

Everyone needs to take care of their body, but we aren't necessarily born with the knowledge of how to go about it. It's important to invest time and energy into understanding what it means to be healthy. There are many activities you can engage in which are dangerous for your long-term health, so you need to know how to identify and avoid these activities. It's also important to identify lifestyles which will lead to a longer, more enjoyable life. This course will guide you through lifestyle choices you will make which will ultimately impact your life in meaningful ways. Course Goals By the end of this course, you will be able to do the following: Identify characteristics of a healthy diet. Describe the relationship between dietary guidelines, foods, and serving sizes. Identify the relationship between nutrition and chronic disease. Describe the benefits of physical activity. Explain the relationship between a sedentary lifestyle and chronic diseases. Develop strategies for preventing disease and injury. Evaluate the effect that peer pressure has on teenagers. Evaluate the physical, emotional, and social benefits of health sexual practices, including abstinence. Analyze the harmful effects of using dietary supplements and steroids. Describe the benefits of medicines and the risks involved in the misuse of them. Identify types of mental and emotional health issues.

Fundamentals of Art (6) 10 Credits Full Academic Year

This course designed to give 6th graders a sampling of art projects that emphasize the elements (line, form, color, value, texture) and principles of art (balance, variety, harmony, emphasis). Understanding and appreciation of self and others through art history, culture, and heritage is emphasized. A variety of media and techniques create an active learning experience.

Art 7/8 10 Credits Full Academic Year

This course designed to give 7th graders a sampling of art projects that emphasize the elements (line, form, color, value, texture) and principles of art (balance, variety, harmony, emphasis). Understanding and appreciation of self and others through art history, culture, and heritage is emphasized. A variety of media and techniques create an active learning experience.

Art 7/8 10 Credits Full Academic Year

This course designed to give 8th graders a sampling of art projects that emphasize the elements (line, form, color, value, texture) and principles of art (balance, variety, harmony, emphasis). Understanding and appreciation of self and others through art history, culture, and heritage is emphasized. A variety of media and techniques create an active learning experience.



MS Band I (6) (Elementary Band)

10 Credits Full Academic Year

Sixth Grade Band is an ensemble that provides students with learning and performance opportunities on wind and percussion instruments. The primary focus is on the development, continuation, and expansion of basic skills begun the previous year that are necessary for effective instrumental music performance. In addition to large group ensembles, individual growth and achievement are encouraged through participation in adjudicated solo and ensemble contests, honor bands, and private lessons. Topics/skills covered include: • Embouchure and Tone Development • Counting, timing, and rhythmic development • Reading and notation skills, including sight reading • Introduction of Scales • Simple Music Theory. An end of the year performance is a requirement for students.

MS Band II (7/8)

10 Credits Full Academic Year

Seventh Grade Band is an ensemble that provides students with learning and performance opportunities on wind and percussion instruments. The primary focus is on the development, continuation, and expansion of basic skills begun the previous year that are necessary for effective instrumental music performance. In addition to large group ensembles, individual growth and achievement are encouraged through participation in adjudicated solo and ensemble contests, honor bands, and private lessons. Topics/skills covered include: • Embouchure and Tone Development • Counting, timing, and rhythmic development • Reading and notation skills, including sight reading • Introduction of Scales • Simple Music Theory • Development of an extensive vocabulary of musical terms and symbols • Ear training and listening skills • Equipment care and maintenance • Effective practice habits. An end of the year performance is a requirement for students.

MS Band III (7/8)

10 Credits Full Academic Year

Seventh Grade Band is an ensemble that provides students with learning and performance opportunities on wind and percussion instruments. The primary focus is on the development, continuation, and expansion of basic skills begun the previous year that are necessary for effective instrumental music performance. In addition to large group ensembles, individual growth and achievement are encouraged through participation in adjudicated solo and ensemble contests, honor bands, and private lessons. Topics/skills covered include: • Embouchure and Tone Development • Counting, timing, and rhythmic development • Reading and notation skills, including sight reading • Introduction of Scales • Simple Music Theory • Development of an extensive vocabulary of musical terms and symbols • Ear training and listening skills • Equipment care and maintenance • Effective practice habits. An end of the year performance is a requirement for students.

HS Band I (9) (Band 7-12)

10 Credits Full Academic Year

Band is a yearlong course open to any student (grades 9-11) with previous instrumental music experience. Students will participate in pep band, marching band and concert band



performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. Students are required to attend private or semi-private lessons on a regular basis. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest, IMEA and the Conference Music Festival. Attending all full band performances is a course requirement.

HS Band II (10) (Band 7-12)

10 Credits Full Academic Year

Band is a yearlong course open to any student (grades 9-11) with previous instrumental music experience. Students will participate in pep band, marching band and concert band performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. Students are required to attend private or semi-private lessons on a regular basis. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest, IMEA and the Conference Music Festival. Attending all full band performances is a course requirement.

HS Band III (11) (Band 7-12)

10 Credits Full Academic Year

Band is a yearlong course open to any student (grades 9-11) with previous instrumental music experience. Students will participate in pep band, marching band and concert band performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. Students are required to attend private or semi-private lessons on a regular basis. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest, IMEA and the Conference Music Festival. Attending all full band performances is a course requirement.

HS Band IV (11) (Band 7-12)

10 Credits Full Academic Year

Band is a yearlong course open to any student (grades 9-11) with previous instrumental music experience. Students will participate in pep band, marching band and concert band performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. Students are required to attend private or semi-private lessons on a regular basis. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest, IMEA and the Conference Music Festival. Attending all full band performances is a course requirement.



CAREER TECHNICAL EDUCATION

Business, Marketing, Finance, IT & Media I (11) 10 Credits Full Academic Year

The Business Office Technology Certification endorsed by Express Employment Professionals provides students with a solid understanding of current and emerging technologies in today's workplace. In addition, the certification addresses major topics such as computers, operating systems and networking, telecommunications, business documents, web and business ethics and the Microsoft Office Suite. The certification consists of 15 modules and a 100-question final certification exam. Upon passing the certification exam students will earn a professional an industry certificate from Southwest Airlines. The Southwest Airlines Professional Communications Certification focuses on teaching students the communication essentials to thrive in any workplace environment. Verbal and non-verbal communication skills are explored and discussed throughout the certification, and how those skills are utilized for a positive, successful experience in the workplace is analyzed.

Business, Marketing, Finance, IT & Media II (12) 10 Credits Full Academic Year

This year course is intended to help you familiarize yourself with quality control systems, understand the importance of maintenance and marketing, and identify key professional and personal skills that are helpful in having a successful career in the field of manufacturing. This course requires 100 hours of Apprenticeship under a certified establishment/individual in the field.

Architecture, Construction, Transportation & Manufacturing I (11) 10 Credits Full Academic Year

This course is intended to help you familiarize yourself with the evolution of manufacturing and understand manufacturing processes and systems. This course has twelve lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. Additionally, the course ends with has a comprehensive Course Activity. This course will cover tools and safety, welding, construction trades, and engine technology. Upon passing the certification exam students will earn a professional an industry certificate from Southwest Airlines, the Principles of Small Engine Technology Certification endorsed by the Equipment & Engine Training Council provides students with an in-depth knowledge of small engine technology and equips students with the fundamental skills necessary to pursue a career within this industry, and the Career Preparedness Certification endorsed by Express Employment Professionals equips students with the skills necessary to thrive in a post-secondary or workplace environment. The Southwest Airlines Professional Communications Certification focuses on teaching students the communication essentials to thrive in any workplace environment. Verbal and non-verbal communication skills are explored and discussed throughout the certification, and how those skills are utilized for a positive, successful experience in the workplace is analyzed.



Architecture, Construction, Transportation & Manufacturing II (12)

10 Credits Full Academic Year

This year course is intended to help you with the industry understanding of tools and safety, welding, construction trades, and engine technology. Understand the importance of maintenance and marketing and identify key professional and personal skills that are helpful in having a successful career in the field of manufacturing. This course requires 100 hours of Apprenticeship under a certified establishment/individual in the field.

Family and Consumer Sciences I (11)

10 Credits Full Academic Year

This course is intended to help you familiarize yourself Culinary Arts, Child Development, Interior Design, and Professional Development. Upon passing the certification exam students will earn a professional an industry certificate from Southwest Airlines, the Career Preparedness Certification endorsed by Express Employment Professionals equips students with the skills necessary to thrive in a post-secondary or workplace environment. The Southwest Airlines Professional Communications Certification focuses on teaching students the communication essentials to thrive in any workplace environment. Verbal and non-verbal communication skills are explored and discussed throughout the certification, and how those skills are utilized for a positive, successful experience in the workplace is analyzed. The Culinary Meat Selection & Cookery Certification endorsed by American Meat Science Association equips students with the skills necessary to thrive in the culinary industry. The Food Safety & Science Certification endorsed by American Meat Science Association provides students with an in-depth knowledge of food safety procedures and standards in the food industry.

Family and Consumer Sciences II

10 Credits Full Academic Year

This year course is intended to help you with the industry understanding Culinary Arts, Child Development, Interior Design, and Professional Development. This course requires 100 hours of Apprenticeship under a certified establishment/individual in the field.

Law, Public Safety, Corrections & Security Site I (11) 10 Credits Full Academic Year

This course is intended to help you familiarize yourself Career Explorations, Emergency Services, Forensic Science, and Law Enforcement. Upon passing the certification exam students will earn a professional an industry certificate from Southwest Airlines, the Career Preparedness Certification endorsed by Express Employment Professionals equips students with the skills necessary to thrive in a post-secondary or workplace environment. The Southwest Airlines Professional Communications Certification focuses on teaching students the communication essentials to thrive in any workplace environment. Verbal and non-verbal communication skills are explored and discussed throughout the certification, and how those skills are utilized for a positive, successful experience in the workplace is analyzed.

Law, Public Safety, Corrections & Security Site II (12) 10 Credits Full Academic Year



This year course is intended to help you with the industry understanding Career Explorations, Emergency Services, Forensic Science, and Law Enforcement. This course requires 100 hours of Apprenticeship under a certified establishment/individual in the field.

Driver's Education (11-12) 5 Credits Semester

This course will prepare and provide information and skills necessary to safely operate a motor vehicle. The topics covered in the California online driver's education course are: Driving responsibilities; Human physical & psychological issues; How natural forces affect driving a vehicle; Signs, signals & road markings; Licensing, registration, & California vehicle code; Rules of the road & safe driving practices; Accident causes and prevention; Sharing the road; Alcohol & drugs.

First Aid/CPR/AED (9-11) 5 Credits Semester

The Adult First Aid/CPR/AED Online course will prepare you to recognize and care for a variety of first aid, breathing and cardiac emergencies involving adults. After completing this course, students will be able to: Describe how high-quality CPR improves survival; Explain the concepts of the Chain of Survival; Recognize when someone needs CPR; Perform high-quality CPR for an adult; Describe how to perform CPR with help from others; Give effective breaths by using mouth-to-mouth or a mask for all age groups; Demonstrate how to use an AED on an adult; Perform high-quality CPR for a child; Demonstrate how to use an AED on a child; Perform high-quality CPR for an infant; Describe when and how to help a choking adult or child; Demonstrate how to help a choking infant.*

Work Experience (9-12) 10 Credits Full Academic Year

Work Experience is an elective course which combines paid employment with curriculum. Students attend their own acquired jobs during the week, and they complete curriculum to support understanding of job-related situations and skills.

*Students **MUST** have an approved, legally paid job to earn credit. Employers must carry Workman's Compensation on all employed students. Students must receive a paystub with deductions taken out for each pay period. Course credit is given from several components: submitting paystubs to Work Experience Coordinator each month, completing monthly curriculum standard lessons, and an evaluation by job supervisor each semester.*

Students may earn up to a maximum of 10 credits per semester, but not more than a total of 40 credits in 4 years. Students earn this credit as follows: Student submits copy of paystubs making sure the Social Security number has been blackened out.

Students may be dropped from the work experience program due to: Not turning in monthly paystubs; Not completing required curriculum for the semester; Extended period of unemployment (more than one month); Lack of quality/quantity of academic progress on their master agreement with Independence Charter Academy.



Work Permits may be revoked or permitted hours reduced: If the job affects student's health, education, or welfare; Upon request of a school administrator, parent, mentor teacher, or work experience coordinator.

**“Vision without action
is merely a dream;**

**Action without vision
is a waste of time;
Vision with Action can
change the world”**