



course catalog 2026-27

Below are descriptions of all courses that have been or may be offered over a 4-year high school period. For descriptions of the distinctions between Canon and Honors versions of each course, please see [Honors/Canon 2026-27](#).

Area A: History

Ancient World History (CANON & HONORS)

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Corequisite: *Literature and Composition: The Ancient World*

Honors Version: N/A

Course Description: This course will explore world history and foundational literature starting in 10,000 B.C.E. through approximately 500 A.D. with a primary focus on the evolution of the major civilizations, including Sumer, Egypt, China, Greece, Israel, Persia and Rome. We will encounter a comparative view of early civilization and will approach the world history course thematically, focusing on geography, storytelling, myth, history, language, politics, lifestyles, war, wisdom, faith, and art. Literature from these civilizations will be further explored through various genres, including poetry, essays, spiritual and political writings, drama, folktales, myths and fables. This course is intensive in reading, writing, discussion, and public speaking. Subject material will be reinforced through a blend of lecture, storytelling, Socratic seminars, research projects, debates, essays, recitations, and various forms of creative expression including poetry, drama, and personal narrative. In this course, students will: Gain a global, context-driven view of ancient history and cultures; improve writing and critical thinking skills; hone classical rhetoric skills through the study of the Progymnasmata; learn to compare and apply ancient history to our modern experience; expand appreciation for the great literary works and artists of the ancient world; engage with myth, story, and legend in a way that brings illumination to our real experiences as human beings. This course will use several texts, including a history spine, primary source documents from an anthology, and supplemental literature. Course is taught to all grade levels, but students are separated by year and content and expectations are scaled for age appropriateness.

Medieval World History (CANON & HONORS)

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Corequisites: *Literature and Composition: The Medieval World*

Honors Version: N/A

Course Description: This course will explore the history of the world from 313-1555 CE. (The Edict of Milan to The Peace of Augsburg). The course is earmarked by the events that start and end of the Christian Age: the establishment of state Christianity to the conclusion of the first Reformation Wars. We start with the conversion of Constantine and cover the fall of Western Rome, the rise of Eastern Rome/Byzantium, the Germanic migrations and the Anglo-Saxon invasion. We then cover the rise and expansion of Islam, trade with China along the silk road, the rise of Arabic culture, and the Viking Age. The second part of the

course will focus on the European dynasties of the Middle Ages, the Merovingian and Carolingian dynasties, the Plantagenets, the Norman Conquest of England, and the rise of the University and the German, French, and English literary and academic cultures. The final portion of the class will be devoted to the study of the Crusades, the Black Death, and the 100 Years' War, and their culturally and politically disruptive power in Europe. Our final unit addresses the revival of the European culture, economy, and religious movements that fueled the Renaissance and Reformation. In this course students will: gain a thorough, global, context-driven view of world history during this period; improve writing and critical thinking skills; learn to compare and apply Medieval history to our modern experience; expand appreciation for the great thinkers, writers, and artists of the Medieval and Renaissance world; engage with myth, story, art, and historical documents in a way that brings illumination to the experience of real human beings and enriches understanding of past political, military, religious and cultural movements of the Medieval and Renaissance World; and learn history as an interpretive, rhetorical art. Students will be assessed through Socratic discussions, Cornell notes, research projects and presentations, quizzes, and challenging ID / Significance exams. Students will write a final, document-based essay in the spring.

US History and the Age of Enlightenment (CANON & HONORS)

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Corequisite: *Literature and Composition: Early Modern Europe and America*

Course Description: In this course, students have a choice between Canon and Honors versions of the course. Students will learn about the history of the United States, framed within the context of the Enlightenment. We look at colonial and revolutionary history from 1492-1800. In the first few units, students will explore, read, and analyze primary sources from the European enlightenment and the Age of Exploration. For the remainder of the course, students study American colonial and revolutionary history and the religious, economic, philosophical, and political significances of the settlement of North America studied within a larger, global context. Students will explore, discuss, research, and write about American identity as seen through the lens of a variety of primary source documents. These documents span from 16th Century European thought to first colonial contact, through industrialization and romanticism. We will explore what it means to be an American by reading, discussing, and researching the perspectives of our first immigrants, our founding fathers and mothers, indentured servants, slaves, northerners, southerners, first nations peoples, scientists, ethnic and religious minorities and majorities, artists, businesspeople, farmers, and more. In this course, students will have the opportunity to connect the events, cultural movements, thinkers, social challenges, and conflicts of U.S. history with their own experiences as contemporary Americans. Students will be assessed through traditional written examinations, document-based examinations, map tests, presentations, and a research paper. The Honors version of the course also has a strong research component, and involves library skills training and a Chicago Manual style research paper.

Modern World History (CANON & HONORS)

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Corequisite: *Literature and Composition: The Modern World*

Course Description: In this course, students have a choice between Canon and Honors versions of the course. This modern world history course will review the background and context events starting in the 16th and 17th Centuries, and will introduce the histories of Modern Japan, China, Korea, Latin America, and the Middle East during the early modern period, following the developments of these regions up to contemporary times. Key units will focus on conflict and shifting power in Europe, Asia, Africa, Latin America, and the Middle East. Through this course, students will come to recognize patterns of

colonialism, nationalistic struggle, decolonization, and the emergence of modern nation states. The course will cover events such as European colonization, the rise of Tokugawa and Meiji Japan, the Ming and Qing Dynasties of China, 19th century reactionism, 19th century revolutions, the industrialization of Europe and America, the rise of socialism, direct colonization in Southeast Asia, India, and Africa, WWI, the U.S. Progressive Era, the Great Depression, WWII, the Russian Revolution, American Civil Rights, the Cold War, The rise of Chinese communism, and the digital age. This course is intensive in reading, writing and discussion. In this course, students will gain a global, context-driven view of history, improve writing and critical thinking skills, learn proper research methodology, discuss multiple causes of historic events, identify the impact of events in past decades upon contemporary global affairs, and learn to ethically evaluate the major events of modern history. Students will also acquire university library research skills, and will learn how to evaluate and discern quality, scholarly source materials. Honors students will finish the year by writing a formal, Chicago manual style research paper.

The History of Now (HONORS)

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Course Prerequisites: Junior or Senior standing; Seniors have priority

Course Description: This is a current events course with a classical twist. In the age of the never-ending news cycle, in which we are endlessly bombarded with “breaking news,” it can be hard to discern the significance of what we read, see, and hear. This course will enable you to become an active, rather than passive, consumer of news about the world around you. You will learn this skill by investigating the historical roots of some of the most important national and global issues confronting us today. Importantly, this course will not be a place to vent, grandstand, vilify, or preen. What is more important in this course is not what knowledge or opinions you possess before you start the course, but how much you deepen your understanding of the topics we explore together. Indeed, together we will seek to revivify the dying art of civility in our own small way. The topics we explore will be determined in some part by the course of events, which cannot be predicted.

Military History

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Course Description: The Greek philosopher Heraclitus once wrote that “war is the father of all and the king of all.” You don’t have to subscribe to this view, however, to recognize the important role war has played in history. In this course, we will examine the history of war from social, cultural, economic, logistical, tactical, strategic, and political angles. Readings will include the accessible and concise *War in European History* by Michael Howard, as well as potential excerpts from the following: Carl von Clausewitz’s *On War*, John Keegan’s *The Face of Battle*, Martin van Creveld’s *Supplying War*, and more. Activities will include viewing important war films, studying and playing war games, and exploring military history and military culture in person by touring a museum. Class size and tour availability will help determine our best choice, but possibilities include the Getty and Vandenberg Space Force Base, among others.

Mesoamerican Studies

Course Details: UC/CSU Approved. 3 full years of any area A required to graduate.

Course Description: The names Maya, Aztec, Zapotec, Olmec evoke images of ancient peoples who built enormous pyramids, created intricate artwork, and devised elaborate mechanisms to record and explain the passage of time and the movements of the planets. Also thanks to them we have delicious foods today such as tacos, tamales, and chocolate. The ruins of their cities attract millions of visitors, who

wonder about their splendor, probe the remains of their creators, and search for hidden knowledge in the hieroglyphic inscriptions. However, the superlatives that are often applied to ancient Mesoamerican peoples mask a misunderstanding of their true achievements. This course explores the rich cultural history of Mesoamerica, with emphasis on the four civilizations mentioned above. Students will learn through documentaries, podcasts, and colorful images about the lives of those civilizations, but beyond that students will have the opportunity to recreate artwork, buildings, and also the food from those amazing cultures who lived in relative proximity to us and yet we don't learn enough about. The course also explores the links with contemporary peoples of Mexico and Central America, who preserve significant aspects of ancient Mesoamerican cultural traditions.

Area B: Literature and Composition

Literature and Composition: The Ancient World (CANON & HONORS)

Course Details: UC/CSU Approved. Required to graduate.

Corequisite: *Ancient World History*

Course Description: This course explores the literature that shaped, and was shaped by, the Ancient World, from the earliest cave paintings at Chauvet to roughly the Edict of Milan (313 C.E.). Semester 1 will focus on the Axial Age, with readings from *Gilgamesh*, *The Tao Te Ching*, Chuang Tzu, *The Upanishads*, Homer, Hesiod, The Presocratic Philosophers, The Hebrew Bible/Christian Old Testament, and so forth. Semester 2 will focus on Foundations of Western Thought in Plato, Aristotle, Virgil, Horace, The Stoics, The Christian New Testament, and more. We will also introduce and reinforce the fundamentals of rhetoric and composition, reviewing prior knowledge of grammar and logic. Our major goals are to expand our appreciation for the great thinkers, writers, and artists of the western world; to improve our writing styles, conceived as a marriage of form and content, clarity and complexity, power and grace; to make cross-disciplinary connections between modern literature and science, history, philosophy, visual art, music, and theology; to sharpen our listening, verbal, and rhetorical skills through the analysis of a range of informational and literary texts; to develop our analytical and persuasive skills through writing about literary works of art in different genres (poetry, drama, the novel, the memoir, the lyric essay); to read a number of great books in completion; to engage poetry creatively through composition, memorization, and recitation; to improve our grammar and mastery of the English language, and to define and practice academic integrity. This course is available to all high school age groups, but classes are broken up by grade level, with workload scaled for age appropriateness. Honors students will have an accelerated reading load, advanced final exams, and additional writing assignments.

Literature and Composition: The Medieval World (CANON & HONORS)

Course Details: UC/CSU Approved. Required to graduate.

Corequisite: *Medieval World History*

Course Description: This course is a co-requisite to Medieval European History and will explore literature from Medieval Europe, China, and the Arab world. The course is designed for students of all grade levels, but students are broken up by age and work is scaled to appropriate grade level expectations. In this course, we introduce and reinforce fundamental skills in English composition, grammar, analysis, and rhetoric as we explore the foundational literature of the Western Canon from 600-1600 CE. Students will discuss and wrestle with the ideas of Medieval and Renaissance thinkers, writers, and poets including St. Augustine, Julian of Norwich, Snorri Sturluson, Venerable Bede, Hildegard of Bingen, Thomas Aquinas, Dante, Chaucer, Machiavelli, and Thomas More. We will also focus on Persian and Arabian folktales, Chinese poetry, and travel writing. Students will study the Norse myths and the mythology of England and

France, including Robin Hood, and will explore various versions of the Arthurian Legend, spanning from Mallory to T.H. White. Honors students will have an accelerated reading load, advanced final exams, and additional writing assignments.

Literature and Composition: Early Modern Europe and America (CANON & HONORS)

Course Details: UC/CSU Approved. Required to graduate.

Corequisite: *U.S. History and the Age of Enlightenment*

Course Description: This course explores the literature that shaped, and was shaped by, the European Enlightenment, roughly the period between 1600-1815 (or, Shakespeare to Waterloo), and the literature of the American Renaissance (1800-1855). We will also introduce and reinforce the fundamentals of rhetoric and composition, marshalling prior knowledge of grammar and logic in pursuit of what Aristotle called "the virtue of style." Our major goals are to expand our appreciation of the great thinkers, writers, and artists of the western world; to improve our writing styles -- conceived as a marriage of form and content, clarity and complexity, power and grace; to make cross-disciplinary connections between Romantic and Enlightenment literature and science, history, philosophy, visual art, music, and theology; to sharpen our listening, verbal, and rhetorical skills through the analysis of a range of informational and literary texts; to develop our analytical and persuasive skills through writing about literary works of art in different genres (poetry, drama, the novel, the memoir, the lyric essay); to read a number of great books in completion; to engage poetry creatively through composition, memorization, and recitation; to improve our grammar and mastery of the English language, and to define and practice academic integrity. This course is available to all high school age groups, but classes are broken up by grade level, with workload and content scaled for age appropriateness. Honors students will have an accelerated reading load, advanced final exams, and additional writing assignments.

Literature and Composition: The Modern Age (CANON & HONORS)

Course Details: UC/CSU Approved. Required to Graduate.

Corequisite: *Modern World History*

Course Description: This course explores the literature that shaped, and was shaped by, the Modern Age in Europe and America, roughly the period from 1815 to the present, progressing in three trimesters through the study of Realism, Modernism, and Postmodernism. We will also introduce and reinforce the fundamentals of rhetoric and composition, reviewing prior knowledge of grammar and logic. Our major goals are to expand our appreciation for the great thinkers, writers, and artists of the western world; to improve our writing styles, conceived as a marriage of form and content, clarity and complexity, power and grace; to make cross-disciplinary connections between modern literature and science, history, philosophy, visual art, music, and theology; to sharpen our listening, verbal, and rhetorical skills through the analysis of a range of informational and literary texts; to develop our analytical and persuasive skills through writing about literary works of art in different genres (poetry, drama, the novel, the memoir, the lyric essay); to read a number of great books in completion; to engage poetry creatively through composition, memorization, and recitation; to improve our grammar and mastery of the English language, and to define and practice academic integrity. This course is available to all high school age groups, but classes are broken up by grade level, with workload scaled for age appropriateness. Honors students will have an accelerated reading load, advanced final exams, and additional writing assignments.

Write Your Life: The Art of Writing a Personal Memoir

Course Details: UC/CSU Approved.

Course Description: This course examines the nonfiction genres of memoir and personal essay, which focus on personal experience and individual ideas alongside the facts. Students will read several short essays, critically analyze the various approaches authors take when working within these genres, and distinguish between genres of personal essay (including memoir, personal journalism, and prose poetry). In addition to reading and reflecting on literary nonfiction works, students will compose their own exercises and pieces, culminating in a final personal essay.

Shakespeare + The Globe

Course Details: UC/CSU Approved. This class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Description: In this course, students will immerse themselves in two areas, which will be connected across subject lines, as SLOCA is famous for! Half of the course would be focused on environmental appreciation, understanding, and conservation with a focus on being stewards of the land. The other half would be a focus/dialog with Shakespeare and what he has to say about life and beauty. The course would culminate in a trip to Oregon to both watch plays and immerse ourselves in beauty!

Area C: Mathematics

Algebra 1 (CANON)

Course Details: UC/CSU Approved. 3 full years of any area C required to graduate.

Course Description: Algebra I is a preparatory course that places an emphasis on the systematic development of the language through which most of mathematics is communicated. Although many problems that can be solved by algebra can also be worked out with common sense, their translation into algebraic form generally makes them easier to deal with. Because of this, algebra has become the language of science, and the goal of this course is to learn how to use this language. Topics covered are: graphing and solving equations in two variables, systems of equations, exponents, operational manipulation of polynomials, factoring, radicals, and quadratics. The goal of this course is to develop the mathematical understanding to interact with the topics above, beginning concretely (objects and manipulatives) and moving towards concepts in the abstract (symbols, graphs, expressions), with the goal of applying rules consistently and precisely to fosters generalizations and insights beyond the original content. Successful completion of this sequence prepares students for Geometry and Algebra 2.

Geometry (CANON)

Course Details: UC/CSU Approved. 3 full years of any area C required to graduate

Course Prerequisite: Algebra 1

Course Description: Geometry is a one year course that emphasizes the develop of mathematical thought, proof of geometric concepts and historical applications of the discipline that motivated the development of Geometry across the centuries. At the end of the course, a student should be comfortable with common methods of proof as well as know the key theorems in the discipline so that they can apply them in Algebra 2 and Trigonometry. In our thorough exploration of plane Geometry, students will use congruence and similarity of triangles to develop conjectures of length, angles, area, polygons and circles and then prove those conjectures. Students are assessed via examination (two written exams per unit, approximately one per month), homework (for completeness) and class participation (frequency and quality). Written exams are short-answer exams where students over the

course of several consecutive questions explore several concepts within the context of one problem setup. Exams are graded based on student understanding demonstrated by the ability of the student to complete proofs and demonstrate the ability to reason quantitatively and geometrically. Homework questions, in-class discussions and exam answers rarely involve just calculations that arise from a theorem, but instead allow the student to self-discover key concepts.

Algebra 2 (CANON & HONORS)

Course Details: UC/CSU Approved. 3 full years of any area C required to graduate. UC/CSU does not recognize Honors for Algebra 2.

Prerequisites: Algebra 1, Geometry

Course Description: Algebra 2 builds on the work undertaken in Algebra 1, which we will re-visit during the first semester. Subsequently, many new topics will be introduced, including matrices, functions and their inverses, logarithms, irrational and complex numbers, arithmetic and geometric series, mathematical induction, the binomial distribution and conic sections. Algebra 2 provides students with an essential grounding in foundational mathematical ideas necessary to study advanced mathematics, the natural sciences, economics and engineering. Classroom activities will include interactive lecture, discussion, group work and other tasks designed to elucidate key mathematical ideas. For the rest of the week, students will work on home assignments for roughly two to three hours. Students will give at least one in-class presentation on a mathematical topic of their own choosing. Success in Algebra 2 requires understanding a number of core mathematical concepts, as well the refinement of key skills, especially pertaining to algebraic manipulation, so come prepared to practice. That said, there is plenty of scope for insight and creative thought. Honors Algebra 2 will cover the same material at the same pace but will go deeper, allowing advanced students work and receive assessment on advanced material.

Trigonometry (CANON & HONORS)

Course Details: UC/CSU Approved. 3 full years of any area C required to graduate

Prerequisites: Algebra 2, Geometry

Course Description: Trigonometry uses the techniques that students have previously learned from the study of algebra and geometry. In this introductory course, the trigonometric functions that we study are defined geometrically – as the ratios of the sides of right triangles - rather than in terms of algebraic equations. Many topics will be covered, including: radians, trigonometric functions and their inverses, trigonometric identities, vectors and polar co-ordinates. Facility with trigonometric functions as well as the ability to prove basic identities regarding them is especially important for students intending to study calculus, more advanced mathematics, physics and other sciences, and engineering in college. Classroom activities on Monday and Wednesday will include interactive lecture, discussion, group work and other tasks designed to elucidate key mathematical ideas. For the rest of the week, students will work on assignments and exercises from the text, as well as undertaking self-directed research activities assigned by the instructor. Honors Trigonometry will use the same pace but students will go deeper into the course material, allowing advanced students work and receive assessment on advanced material.

Honors Statistics

Course Details: UC/CSU Approved. 3 full years of any area C required to graduate. If Area C requirements are met and this is taken as a 4th year of math, this class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Prerequisites: Algebra 2, Trigonometry, Junior Standing or instructor consent.

Course Description: Honors Statistics is a year-long course that introduces students to the concepts and tools of Statistics: collecting and analyzing data to answer real-life questions. Course work will include an exploration of data graphically and with numeric summaries, planning a study, elementary probability and statistical inference, including both hypothesis testing and confidence intervals in multiple contexts. Units include: Exploring and Understanding data, Exploring relationships between variables, Gathering Data, Randomness and Probability, Sampling Distributions and Statistical Inference for Proportions, and Statistical Inference for Means. Students are assessed via examination (one or two written exams per unit, approximately one per month), homework (for completeness) and class participation (frequency and quality). Written exams are short-answer exams where students over the course of several consecutive questions explore several concepts within the context of one problem setup. Exams are graded based on student understanding demonstrated by the ability of the student to complete proofs and demonstrate the ability to reason quantitatively and geometrically. Homework questions, in-class discussions and exam answers rarely involve just calculations that arise from an equation in the text, but instead require the student to put results in plain English.

Honors Calculus

Course Details: UC/CSU Approved. 3 full years of any area C required to graduate. If Area C requirements are met and this is taken as a 4th year of math, this class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Prerequisites: Algebra 2, Trigonometry, Junior Standing or instructor consent.

Course Description: The aim of Honors Calculus is to give students a rich understanding of the origins and developmental history of one-variable calculus - from Archimedes to Leibnitz and Newton and its subsequent role in modern science. Our goal will be for students to understand the essential mathematical ideas of differential and integral calculus so well that they can apply them creatively to solve both standard and novel problems. Although a high school course, we will endeavor to engage with the course material at the same level of depth and rigor as would be expected of an entry-level college or university calculus course.

Financial Literacy

Course Details: UC/CSU Approval Pending. 3 full years of any area C required to graduate

Course Prerequisites: Algebra 2; Junior or Senior standing or instructor consent

Course Description: Students will start by reviewing basic math then dive into topics relevant for any career such as mortgages, banking, interest, consumer credit, and more. Later they will touch on important topics for business owners including payroll, markup, markdown, trade discounts, business statistics and more. Lastly, they will cover topics for those close to business recordkeeping like government agencies, lending agencies, depreciation, inventory and financial statements.

Area D: Lab Sciences

Biology (CANON)

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate. For UC/CSU, students should take a minimum of biology and chemistry. (Honors Chemistry recommended).

Prerequisite: Recommended completion of Algebra 1 before taking this course. Concurrent enrollment acceptable.

Course Description: This goal of this course is to have a conceptually based science program where students are active participants in learning; cultivating both personal relevance and connections to the outside world. Additional focus on patterns and connections will be sought out to foster deeper, transferable understanding. Our primary focus will be on the processes of life common to all living things- Cellular Biology, Genetics, Evolution, Environmental interactions, and Physiology. Special attention will be given to historically significant events, and the influences of science and technology on society. Coursework is completed in class and at home and includes labs, tests, and projects which will be used as tools to impart and solidify factual knowledge and develop the skills needed to apply biological principles and the scientific method. Multiple opportunities are provided to develop content in biology through readings, videos, discussions, assignments, labs, and other interactive experiences.

Earth Science (CANON)

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate.

Course Prerequisite: Recommended completion of Algebra 1 before taking this course. Concurrent enrollment acceptable.

Course Description: Earth Science is a laboratory science that will take an in-depth look at the natural world and its processes. Its curriculum will focus on matter, energy, origin and evolution of the Earth and its solar system, geology, meteorology, oceanography, and the cycles that circulate energy and material through the biosphere. The objective and purpose of this course is to have students master a broad curriculum that gives them a comprehensive understanding of the universe and the natural world. Inquiry-based and data-driven labs and activities are the cornerstone method on which the curriculum is introduced and taught in this course. Additional assignments and in-class activities are also incorporated throughout the week, which reinforce the material taught.

Chemistry (CANON & HONORS)

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate. For CSU/UC, students should take 2 years minimum of chemistry, biology, and/or physics

Course Prerequisite: Algebra 1

Course Description: This general chemistry class will satisfy college entrance requirements for laboratory science, especially for those who expect to study a branch of medicine or science for teaching, research, or as a technician in industry. The course covers the basic principles which determine the composition of matter and which govern processes of form to produce new substances. Topics include the science of chemistry, nuclear processes, atomic structure, the Periodic Table, chemical bonds, nomenclature, formulas, the conservation of matter, stoichiometry, the properties of gases, acids, bases, solutions, thermodynamics, reaction rates, equilibrium, organic and biochemistry.

Anatomy and Physiology (CANON)

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate. For CSU/UC, Anatomy & Physiology and Physics are recommended.

Course Prerequisite: Biology, Chemistry, Algebra 1

Course Description: Anatomy and Physiology is a year-long elective science course that follows an introductory biology class. It provides students an opportunity to explore the relationship between structure and function in the human body. Topics covered will include the basic organization and biochemical composition of the body, and cover all the major body systems, including the impact of diseases on certain systems. The interrelationships between body systems are a focus throughout the course. Students will engage in many topics and learn through reading materials, study guides, unit

worksheets, group work, projects, and labs. Laboratory activities reinforce concepts and principles presented in the course. Our 2 reference texts will be the anatomy & physiology portion of a college level biology text, and Barron's "The Anatomy Self Test Coloring Book". Students will acquire skills used in the classification of data, experience in oral and written communication of data, and skills in drawing logical inferences and predicting outcomes.

Honors Physics

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate. For CSU/UC, Anatomy & Physiology and Physics are recommended. If Area D requirements are met and this is taken as a 3rd or 4th year of science, this class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Prerequisite: Algebra 2 with approval; Trigonometry recommended, concurrent enrollment acceptable.

Course Description: In this course, students develop an in-depth understanding of the world around us by studying the laws of physics. Students recognize and understand the concepts, mathematics, equations, and assumptions that exist in our world. Laboratory investigations incorporate hypothesis generation followed by the collection and analysis of complex information. The main content areas of focus are mechanics, sound, electricity and light. Students will continue to develop their skills of reading, writing, discussion, technology, and analysis through lab reports, essays, and individual and group research projects. The ultimate course goal is to demonstrate scientific knowledge and skills as students work toward the school-wide goals of becoming self-directed learners who can identify a task and complete it, complex thinkers who can determine solutions to problems, and community contributors who can work collaboratively.

Marine Biology

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate.

Course Description: This class is designed to introduce students with an interest in marine biology to the study of life in marine environments. It will provide students with a background to propel them into further studies of Earth's oceans, marine communities, and marine organisms from their five biological kingdoms. This course will give students an overview of the interrelationship between marine and terrestrial environments so that they can better understand the important roles the ocean plays in our day-to-day life. Students will participate in a variety of lab experiences and field trips including but not limited to: marine animal dissection, microscopic observation of marine animal tissue, Monterey Bay Aquarium field trip, snorkeling in Catalina, CA, and visiting nearby piers, aquariums, and tide pools.

Survey of Zoology

Course Details: UC/CSU Approved. 2 full years of any area D required to graduate.

Course Description: Zoology is the study of animal life. Zoologists research everything they can think to ask about animals, including their anatomy and interrelationships, their physiology and genetics, and their distributions and habitats. This course will be a survey of the nine major phyla of the kingdom Animalia: Porifera (sponges), Coelenterata (jellies), Platyhelminthes (flatworms), Nematoda (roundworms), Annelida (segmented worms), Arthropoda (insects/spiders/crustaceans), Mollusca (bivalves, octopus, snails), Echinodermata (sea stars, urchins), and Chordata (fish, reptiles, birds, mammals). For each phyla, there will also be an accompanying dissection which will help students gain hands-on understanding of the amazing diversity in the animal kingdom. At the end of the semester, the class will take a field trip to tide pools to experience zoology "in real life". Homework will consist of readings and anatomy coloring pages which will

help prepare the student for the next class. There will be an extra laboratory fee to cover the cost of the dissections.

Ecological Field Research

Course Details: UC/CSU Approved

Course Description: Get immersed in ecology and field studies by traveling to amazing locations, working with ecologists, and getting your hands dirty! Ever wonder what it would be like to be "a real scientist"? We will start this immersive in the classroom by learning the necessary skills for doing a field study and living "in the wild". From there, we will travel to a natural site in California and, side-by-side with scientists, collect critical environmental data. It won't be all work though! We will have time to explore our natural surroundings and have fun outside! We have yet to decide if we will go to the desert, forest, or ocean island, but no matter where we end up, it's bound to be an experience of a lifetime.

Area E: Language Other than English (LOTE)

Spanish 1

Course Details: UC/CSU Approved. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired.

Course Description: At the high-school level, Spanish 1 is designed to give the learner a strong foundation of the Spanish language on which he or she will continue to build in Spanish 2, 3, and 4, while always applying the acquired language skills out in the world, beyond just the confines of the classroom. Students will begin studying level 1 grammar (e.g. infinitives, present indicative, preterite, present progressive, imperative of tú), making connections with other subject areas, making comparisons with their own language and culture, participating in various cultural activities (e.g. preparing meals, learning various songs in Spanish, research projects about Spanish-speaking countries, participating in Skype calls with Spanish-speaking students), and beginning to use and recognize Spanish in their community. Students completing this course will be able to read, write, speak, and understand Level 1 literacy works, while accuracy in speaking and writing are emphasized to foster a high standard of oral and written communication. There is homework on a regular basis to keep students immersed outside of the classroom, weekly quizzes, and exams which test written, oral, and auditory abilities.

Spanish 2

Course Details: UC/CSU Approved. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired.

Course Prerequisite: Spanish 1

Course Description: At the high-school level, Spanish 2 is designed to further build upon the foundations of Spanish 1 and to prepare the learner for real Spanish conversation and another step closer to fluency. As students continue their life-long study of the Spanish language, they make connections with other subject areas, make comparisons with their own language and culture, participate in various cultural events (e.g. preparing meals, learning various songs in Spanish, research projects about Spanish-speaking countries, participating in Skype calls with Spanish-speaking students), and use Spanish in their community. Students completing this course improve their ability to speak using level 2 vocabulary and grammar (e.g. preterite, imperfect, subjunctive, tú and usted commands), comprehend Spanish spoken by people from various Spanish-speaking countries, read, write, and understand certain literary works in Spanish. To help deepen their understanding and keep them on track, there is homework and quizzes on

a regular basis and exams at the end of each chapter which test written, oral, and auditory ability as well as reading comprehension.

Spanish 3

Course Details: UC/CSU Approved. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired.

Course Prerequisite: Spanish 2

Course Description: A person who speaks two languages is worth two people. At the high-school level, Spanish 3 is designed to further build upon the foundation of Spanish 1 and 2 to prepare the learner for real Spanish conversation, another step closer to fluency, a further development of that second self with a multicultural perspective on the world. As students continue their life-long study of the Spanish language, they make connections with other subject areas, make comparisons with their own language and culture, participate in various cultural events (e.g. preparing meals, learning various songs in Spanish, research projects about Spanish-speaking countries, participating in Skype calls with Spanish-speaking students), and use Spanish in their community. Students completing this course are able to read, write, speak, and understand level III literary works. Accuracy in speaking and writing are emphasized to foster a high standard of oral and written communication. There is homework on a regular basis to keep students immersed outside of the classroom, weekly quizzes, guest speakers, and exams which test written, oral, and auditory abilities.

Honors Spanish Literature

Course Details: UC/CSU Approved. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired. This class also fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Prerequisite: Spanish 3

Course Description: Having successfully completed Spanish 1-3, this course is conducted entirely in Spanish, with a major focus on literature (i.e. poetry, short stories, plays, novels) from around the Spanish-speaking world. However, we also learn about other aspects of culture like art, food, music, customs, idioms, holidays, current events, and film. By this time, students have covered the grammar for high-school-level Spanish, so discussions revolving around grammar in Spanish 4 come mainly from studying literature and discovering advanced situations. In Spanish 4, we want to actually apply our understanding of Spanish and our study of grammar so that we can improve our ability to comfortably listen, speak, read, and write. In Spanish 4, we are taking another step towards fluency. There is homework on a regular basis to keep students immersed outside of the classroom, weekly quizzes, guest speakers who are fluent in Spanish, and exams which test written, oral, auditory abilities, as well as understanding of subject matter.

Latin 2

Course Details: UC/CSU Approved. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired.

Course Prerequisite: Latin 2A or Equivalent

Course Description: A Students will continue to develop translation skills and build vocabulary through reading increasingly complex stories set in Aquae Sulis and Rome circa 84 A.D. They will complete Stage 29 of the Cambridge Latin Course. In doing so, they will practice and master grammatical concepts specified in the Unit descriptions below, with an emphasis on the subjunctive mood in subordinate

clauses, participles, and the passive voice. While the goal of our Latin program is reading classical literature in Latin, students will have the opportunity to practice oral language through reading aloud, recitation, vocab practice, and classroom conversation. Each week, students may contribute to Latin in Our World with instances of Latin or Greek language or cultural references which they have noticed in other classes or the world at large. Also weekly, students will add to a chronology of Roman history with an entry from Historia Romana, covering major events and figures in Roman history while contributing to their understanding of the division of Roman history into three major periods (monarchy, republic, empire). Students will also consider the place of legend and myth in history, especially when looking at origin stories. This prepares them well for understanding the context of works read in our literature cycle.

Latin 3

Course Details: UC/CSU Approved. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired.

Course Prerequisite: Latin 2B or Equivalent

Course Description: Students will continue to develop translation skills and expand vocabulary through reading increasingly complex stories set in Roman Britain and Rome circa A.D. 84. They will complete Stage 34 and selected stages from 35-48 of the Cambridge Latin Course. Students will also make the transition to reading original Latin literature with selections from Catullus, Horace, Ovid, and Vergil. In the cultural arena, students will study the patronage system in Roman society; religious beliefs in the second half of the first century A.D.; Roman entertainment; freedmen and freedwomen; emperor's council/senatorial career, marriage, Roman law courts, governance of Roman provinces, Latin poetry, et al. While the goal of our Latin program is reading literature in Latin, students will have the opportunity to practice oral proficiency through reading aloud, recitation, vocab drills, and classroom conversation in Latin. They will also have a weekly opportunity to contribute to "Latin in Our World" as they present instances of Latin or Greek language or cultural references in their other course or the world at large. Also weekly, students will read in Latin and discuss thought-provoking quotations from the great Roman writers. In addition to vocab quizzes, students have exams at the end of each stage. They consist of translation, grammar forms, cloze sentences, short answer, parsing, and occasionally short essays based on cultural topics.

Honors Latin Literature: Catullus, Caesar, Cicero

Course Details: UC/CSU Honors Approved. Level 4 Latin Literature has 2 alternating course offerings, and can be taken up to 2 times for credit. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired. This class also fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Prerequisite: Latin 3 or Equivalent

Course Description: Students will read selections of Republican Latin poetry and prose, including selections from Catullus' poems, Caesar's commentaries on the Gallic War, one of Cicero's speeches, and a few of Cicero's letters. In preparation for each selection, students will complete grammar and vocabulary assignments designed to help them read and analyze Latin. Each selection will be considered in its cultural, political, and historic context. Catullus, an innovator of Latin love elegy, writes in a highly personal, humorous, and passionate style admired and imitated through the ages. His verses are compact and simple, yet when unpacked, reveal depths of human emotion that still resonate with readers of all ages. Caesar's prose has been judged the most lucid of all Roman writers, but complicated political aims underlie his deceptive simplicity. Cicero's speeches are models of effective rhetorical style, and his letters, rediscovered by Petrarch, sparked the renaissance. All three authors lived and wrote during a tumultuous

time-- the end of the Roman Republic. Through reading, discussion, projects, research, and lecture, students will gain an understanding of the major political events and people of this dynamic and well documented period. Students practice oral proficiency through reading Latin aloud and formal recitations presenting memorized passages in a manner that facilitates interpretation. Students have regular vocabulary quizzes, and weekly translation quizzes which include questions on grammar, devices, and context. Students will complete a variety of projects, presentations, and short essays each semester. There will be a challenging and comprehensive final exam at the end of each semester.

Honors Latin Literature: Horace, Vergil, Ovid

Course Details: UC/CSU Honors Approved. Level 4 Latin Literature has 2 alternating course offerings, and can be taken up to 2 times for credit. 2 full years of any area E required to graduate. For CSU/UC, courses should be from one language in sequential order, with advanced (Level 4) courses desired. This class also fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Prerequisite: Latin 3 or Equivalent

Course Description: Students will read selections of Latin poetry from the age of Augustus in the original Latin, including selections from Vergil's Aeneid, Horace's Odes, and Ovid's Metamorphoses. In preparation for each selection, students will complete grammar and vocabulary assignments designed to help them read and analyze Latin. Each selection will be considered in its cultural, political, and historical context. All three authors lived and wrote during a time of political transition and cultural redefinition: the age of Augustus, the so-called "Golden Age" of Latin literature. Through reading, discussion, projects, research, and lecture, students will gain an understanding of the major political events and people of the Principate, a turning point between Rome's Republic and Empire. Students will learn how to scan and recite Latin poetry in epic and lyric meters (dactylic hexameter, Sapphic, and Alcaic). Students practice oral proficiency through reading Latin aloud and formal recitations presenting memorized passages in a manner that facilitates interpretation. Students will grapple with the art of translation and experiment with finding the perfect balance between literal meaning and poetic expression. Students will gain an appreciation for the enduring themes of the Aeneid, the Odes and the Metamorphoses through class discussions, art projects, and essays. Portions of the Aeneid and the Metamorphoses not read in the original Latin will be read in English and presented to the class through individual presentations and group skits. Students have regular vocabulary quizzes, and weekly translation quizzes which include questions on meter, grammar, figures of speech, and historical context. Students will complete a variety of projects, presentations, and short essays each semester. There will be a challenging and comprehensive final exam at the end of each semester.

Area F: Visual and Performing Arts

Art 1

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: Art 1 is a survey class in multiple art genres as preparation for independent research in Art 2. Students are introduced to the basics of Photography, Graphic Design, Rendering, and the Studio Arts over the course of a year. Semester 1 includes work in photography and graphic design, and Semester 2 includes the fundamentals of rendering and studio art in 2 different mediums selected by the class. Students have the option to take either semester of the course, or both. Classroom experiences include written and oral peer review of student work in addition to studio time. From the beginning of the

course, the arts are presented as a language with cultural impact. Course curriculum integrates art history and design theory with studio practice. By analyzing professional works and student works in a group critique setting, students research how artistic decisions influence personal meaning and social communication. Students engage in the creative cycle: researching, experimenting, executing, evaluating and then recreating in discipline and genre specific class projects with the goal of developing a personal style within the context of the discipline. Classical curriculum presents world history, art history, and art theory parallel to developing art skills. Students engage in articulating visually, verbally, and textually how the terminology and concepts interrelate and can be used as a means of exploration and evaluation of their works. Through the above curricular engagements, students are being prepared to engage with artwork and visual culture outside of the classroom setting. Course assignments also direct students to find, interpret and evaluate artworks which are currently engaging the world at large and share their findings with their class community. Our Classically Integrated curriculum highlights the arts as a personal endeavor, a professional endeavor, and an academic endeavor. World history, literature and economics are woven into lectures, research, and projects. In Classical Education, we also have the privilege of the visual arts being included in the curriculum of other courses. In this way the arts are presented as an integrated part of culture.

Art 2: Independent Art

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate. Art II can be taken multiple times for credit.

Prerequisite: Art I

Course Description: In this independent course, students will research and produce art objects in the student's own selected genre. Student's pen three independent contracts per semester with the instructor, outlining learning goals and art object designs. Directions for exploration include two dimensional and three dimensional works. Unit projects are assessed according to the following Student Learning Objectives: Media Craftspersonship, Image Craftspersonship, Composition, Experimentation, and Artist Research. Course can be taken up to six semesters for credit.

Art: Special Projects

Course Details: UC/CSU Approval Pending. 1 full year of any area F required to graduate. Art: Special ProjectsI can be taken multiple times for credit.

Course Description: While all other art classes at SLOCAHS are open to beginner and experienced artists alike, Art: Special Projects is specifically geared toward independently motivated art students who wish to intentionally deepen or begin a personal art practice and work toward compiling a portfolio (whether for college or just as a special personal record). After a short unit reviewing the basic building blocks of art (elements and principles), students will decide together on a few different areas of study (e.g. watercolor, interior design, illustration, blockprinting, etc.) to pursue together as a class. Each student will also propose, implement, and uphold a regular studio practice for themselves with guidance from instructors. By the end of class, students will have produced several group-directed projects in line with the chosen areas of art study and also created a small body of work personally. This class, while giving each artist a lot of freedom, will, in turn, require hard work, attention, and a genuine creative spirit!

Advanced Art

Course Details: UC/CSU Approved Integrated Course. 1 full year of any area F required to graduate. Advanced Art can be taken multiple times for credit

Prerequisite: Art 2, must be a junior or senior

Course Description: This course is intended for graduating Seniors intending to apply for higher education art programs and scholarships, or for a career in the visual arts, but can be taken by juniors who want to get a head start on their application portfolios and the college research process. The course is one semester long, but can be taken up to twice for credit. The instructor will work with the student to research and select national art programs, create and select documenting artwork, and construct application portfolios. Students will read, research, explore and discuss different art programs and varying avenues for careers in the visual arts. To succeed in this class, students must be prepared to demonstrate full engagement in the process of learning, demonstrating a committed work ethic and open experimentation with intention to improve. They must also demonstrate awareness of historic and contemporary artists and showcase their ability to articulate their own artistic and career goals. As a course meant to integrate both career preparation and technical advancement, Advanced Art will cover Industry Research, Portfolio Development, and Statement Development.

2D Design

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: 2D Design is an introduction to art elements, art principles, and artmaking through the two-dimensional landscape. Students will learn the building blocks of art and translate them into their own 2D projects. This class will approach artmaking from a fine arts perspective through a series of projects using 2D media such as collage, gouache, and printmaking. Students will also learn the basics of good craftsmanship. They will be asked to critique their peers' work and receive critiques on their own work—both with grace and character.

3D Design

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: 3D Design is an introduction to art elements, art principles, and artmaking through the three-dimensional landscape. Students will learn the building blocks of art and translate them into their own 3D projects. This class will approach artmaking from a fine arts perspective through a series of projects using 3D media such as wire, wood, clay, and bookmaking. Students will also learn the basics of good craftsmanship. They will be asked to critique their peers' work and receive critiques on their own work—both with grace and character.

Photography I

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: Level up your photography skills from the mere smartphone to real cameras! This introductory course is suitable for those experienced with DSLRs as well as those who have never touched a digital camera—all are welcome! We'll combine basic camera operation (ISO, aperture, shutter speed, etc), basic photo editing (Lightroom, Bridge, a little bit of Photoshop), photo history, and interactive and creative projects. We'll cover general composition principles, still lifes, landscapes, and portraits and will end the year with a final project of your choosing! All projects will be shared with the class in art critiques (a staple of any college art course). Though mostly focused on digital photography, there will be a couple opportunities to explore the world of film photography—**please also note that this class is required for all those who want to take the Darkroom Winter Immersive.** If you take this class, you are not required to take the Darkroom immersive, but are encouraged to do so!

Photography II

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Prerequisite: Photography I encouraged, but can get special permission from instructors without Photography I if you can demonstrate the necessary camera skills and knowledge.

Course Description: This class jumps from the roots of photography covered in Photo I to the next level. It covers more complex photo editing (Photoshop), more complex photo projects (diptychs/triptychs, series, photo books, etc), and more complex principles of composition. This class will give you more freedom to develop your own photography style while still being informative and integrated. We'll also cover things like abstraction, photojournalism and street photography, surrealism, lighting techniques, and editing techniques like masking and color grading.

There will be a couple opportunities to integrate film photography, especially for those who've taken the Darkroom immersive. Though this class is a natural progression from Photo I, students who take initiative to learn the following list of concepts and skills and who can demonstrate those skills to instructors will also be considered.

Photography Darkroom

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Prerequisite: Photography I

Course Description: After dipping your toes into the world of film photography in Photo I, this is your chance to dive deep. We'll start off by shooting rolls of black and white film, then developing them in our brand new darkroom space, then printing our shots the old-fashioned way (think red safelights and photo paper dipped in chemicals). We'll learn about black and white photographers like Ansel Adams (of national park fame), Vivian Maier, and Sally Mann as well as some of the science behind film chemistry. This will also be a great opportunity to hone in on your own photography interests and style in a more limited medium.

Digital Animation

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: In this course, we will discuss the beautiful form of storytelling known as animation. We will learn the skills of an animator, grow in our drawing abilities, practice patience, and even become better viewers of animated content. Throughout the class, students will be building towards animating their own story, using processes and techniques that will be learned through a series of creative projects that cover the foundational skills of animation.

Film Studies

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate. Students must have access to basic movie editing software, such as iMovie, Adobe Premier, or Final Cut Pro. Note: Curriculum includes watching classic/foundational films, some of which may include mature content. Contact teacher for film list.

Course Description: In this course, we will focus on the fine art of film as we view and discuss the motion pictures, directors, actors, and writers that have shaped our media landscape. We will watch and analyze films, read about the history of the film industry, explore different "schools" in filmmaking, write scripts, and produce, direct, and act in student-made short films. Students will work on individual and group projects, will read scripts and articles, and will watch and review films independently. As the vast majority of our class time will be spent viewing films and discussing them, there will be work to do, both creative and

academic, during the week, amounting to 2-3 hours per class period. This includes the times during the semester that you will be asked to watch specific films on your own at home.

Fundamentals of Drama

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: The Fundamentals of Drama is an introductory class with a focus on foundational theatre knowledge and skills. Many topics will be covered, including: the history of theatre, script analysis, building a character, performance skills, and costume and set design. Classroom activities will include interactive lecture, discussion and participation in a variety of improvised and scripted scenes designed to explicate key concepts in drama. Students will practice in-depth script analysis and guided study of filmed and live plays (including several visits to the theater, with a backstage tour and meeting with theatre professionals.) Students will develop and perform their own material, as well as scenes from a variety of genres and historical periods, leading to a staged one act play at the end of the term. For any students not wishing to perform, there will be opportunities to develop technical knowledge and skills, specifically in set and costume design.

Grizzly Productions: Traveling Theatre Group

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: Students step into the spotlight in this Traveling Theatre Group elective, bringing a show to life for the SLOCA community and across the neighborhood. Students grow on and off stage by entertaining and inspiring audiences at schools and other community centers. This elective offers roles for aspiring actors, directors, designers, costumers, and sound designers.

Grizzly Productions: Murder Mystery Play

Course Details: UC/CSU Approval Pending. 1 full year of any area F required to graduate.

Course Description: What do Sherlock Holmes, Nancy Drew, the Hardy Boys, The Scooby Doo gang, Miss Marple, Sam Spade, and Batman have in common? They are all 'detectives' who love to 'solve' crimes. In this exciting winter immersive, you will develop your acting and technical skills by playing a role on and/or off stage to mount a one-act comedic mystery production. This performance will not only be shared with the SLOCA community but will also be brought to other schools and community settings! This immersive will include a possible trip to see a show!

Textile Art: Craft, History, and Lore of Weaving

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: This course gives students the opportunity to experience history with their hands. As students gain hands-on experience with fibers and different weaving techniques, they will learn about the textile arts in history and lore. We begin with the study of fibers and color theory, spinning with a drop-spindle and dyeing wool yarn with packets of powdered drink-mix. Then students will create simple looms that enable them to weave practical and decorative objects of art. Using ancient weaving techniques, students will create their own designs and experiments with color and increasingly more challenging woven patterns. The class will work together to warp and weave a group project on the classroom tapestry loom and inkle looms. Students will create an art journal containing sample fibers, color wheel, textile terminology, weaving techniques learned, and beautiful responses to stories read aloud and history encountered. There will be tests on fibers and color theory, on textile terminology, and a hands-on test identifying different weaves. As a culminating project, students will participate in creating a textile

exhibit, serving as curators, exhibit designers, and installers, to share their craft and learning with peers, parents, and community members.

Woodworking

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: This woodworking course will build up some of the basic skills of craftsmanship and artistic expression through the medium of wood. Across multiple hands-on projects, students will get the chance to learn and experiment with the material responsible for so much of our built and natural world. Both hand tools and power tools will be used for projects, and a key goal will be to learn proper use of tools and the responsibility that comes with the implementation of the woodworking supplies. Envisioning an object, designing it, and bringing it into fruition as a physical creation is a process that is as rewarding as it is challenging. In this course, students will face that challenge head on, adding to both their technical abilities and their creative ideation.

Printmaking: Block, Screen, and Inkjet

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: This class will explore the basics of three different types of printmaking: block printing, screen printing, and printing digitally on a professional-grade inkjet printer. Learn how to set up your design, carve a block, prepare a screen, and ready a digital file to create reproducible, distributable art. We will print on paper and cloth (bandanas, tees, etc), and create multi-media projects using both cloth and paper.

Band

Course Details: UC/CSU Approved. 1 full year of any area F required to graduate.

Course Description: Have you ever wanted to play an instrument or join a band, but weren't sure where to start? Beginning Band at SLO Classical Academy is the perfect place for you! No experience? No problem! This class focuses on learning together, having fun, and making music from day one. In this course, you'll choose an instrument (brass, woodwind, or percussion), learn to play, read music, and perform with a group. You'll develop your skills with a methodological approach, build confidence, and discover how exciting it is to make music with friends.

We'll play everything from classic band tunes to entertaining contemporary pieces. Come join us, explore something new, and become a member of the SLO Classical Academy music family. Let's make some noise—in the best way possible!

Area G: College Preparatory Electives

Creative Writing: Beginning Fiction Workshop

Course Details: UC/CSU Approved. 1 full year of any area G required to graduate.

Course Recommendation: Reads at a 10th grade level or higher, strong grasp on English grammar.

Course Description: This course is a college-style fiction writing workshop. Students will write and critique literary short stories in a peer-based discussion group under the guidance of a master teacher. Each week will include a craft lesson, writing exercises, and a required reading of at least one modern short story from the selected anthology. In this course, students will: learn about craft elements such as plot, character development, tone, setting, conflict, and style/diction; complete fun, generative writing exercises; improve

knowledge of and skill in traditional and contemporary narrative principles; practice “the habit of art” by keeping an observation notebook throughout the semester; develop their own creative voices; practice giving and receiving constructive and respectful critical feedback; learn and practice the discipline of revision; and read and discuss some of the most highly anthologized, foundational short stories of the 19th and 20th Centuries. Students will also participate in curating the campus literary magazine, *Hanging Lantern Review*, and will either serve on staff, or submit their own work for publication. Two students per week will have the opportunity to have a draft of a personal short story read, evaluated, and discussed in a round-table, peer reviewed workshop. Workshop will include the use of Socratic questioning, an articulation of the author's goals, statements of meaning, and encouraging, non-prescriptive feedback geared at helping students reach their narrative goals, and pushing writers toward excellence in and mastery of craft elements. Students are guided by the instructor through this process.

Honors Advanced Creative Writing: Special Topics

Course Details: UC/CSU Approved.

Prerequisite: Creative Writing: Beginning Fiction Workshop

Course Description: This course is a college-level creative writing workshop for experienced writing students who have taken Beginning Fiction Workshop. While the beginning course focuses on mastering the basic fundamentals of fiction writing, in this course students will explore advanced topics in modern writing, will participate in the publication of a campus literary review, and will submit their own work for publication in the larger marketplace. Our primary text will be John Gardner's classic work, *The Art of Fiction*, with units centered around each major section of the book. Students will work in their respective genres of choice, mastering craft techniques and studying 2-3 literary works of their own choosing. Each week will include a craft lesson, a Socratic seminar discussing a chapter in Gardner's book, and a seminar-style workshop for a participating artist's short story or novel chapter. Each student will be working on a longer, ongoing project throughout the term, in addition to practicing techniques through various weekly exercises. Students will study aesthetic theory; perform fun, generative writing exercises; improve knowledge of and skill in traditional and contemporary narrative principles, practice “the habit of art” by keeping an observation notebook, and develop their own distinct literary voices in the genres of their preference. Finally, students will engage with the real world publishing industry by researching the fiction marketplace, participating in staff roles for our campus literary journal, *Hanging Lantern Review*, and by formatting and submitting their own written work to literary journals for potential publication.

Sacred Reading

Course Details: UC/CSU Approved.

Course Description: In this course, students will learn about a variety of sacred reading practices across the Judeo-Christian tradition—such as *Lectio Divina*, *Havruta*, *Florilegium*, and *PaRDeS*—with the end goal of becoming better, more attuned close-readers of texts. In order to accomplish this, we will read a secular text, but treat it as “sacred.” What does that mean exactly? Simply that we will trust and take the text seriously, believing that it has something more to offer us than entertainment, as we rigorously engage with it. This is not a religion course, or only for those from a specific faith tradition or background; rather, it is a course about taking the things we love seriously, treating them as important, and attempting to learn more about ourselves in the process as we become better readers. Possible texts that have been taught in the past include *Harry Potter* and *The Chronicles of Narnia*.

Steinbeck's California

Course Details: UC/CSU Approved.

Course Description: John Steinbeck's novels are deeply rooted in California's Central Coast. Of his home state, he wrote: "My wish is that when my reader has finished this book, he will have a sense of belonging in it." In this course we will increase our sense of belonging to this place by reading some of Steinbeck's California stories in beautiful locations within walking distance of campus, and taking field trips to immerse ourselves in California literary history. Possible field trips include the Steinbeck House/Museum in Salinas, Cannery Row in Monterey, and the Tor House in Carmel. We may also spend an afternoon gleaning with the organization Glean SLO, to draw closer to the experiences of Steinbeck's fictional Joad family.

The World of Tolkien

Course Details: UC/CSU Approved.

Course Description: J.R.R. Tolkien's "Middle Earth" is a rich world steeped in historical, mythological, theological, and philosophical references and allusions. W.H. Auden wrote that Tolkien created a world "superficially" different from his own and yet he still succeeded in holding "up the mirror to the only nature we know, our own." In this course, students will read *The Fellowship of the Ring*, the first book of J.R.R. Tolkien's *The Lord of the Rings* trilogy. There is much to unpack, and the class will form a fellowship of our own to do so. We will study the life of Tolkien and the "history" of the world he created. This includes reading other works of fiction and non-fiction by Tolkien, as well as commentary on Tolkien from other scholars and authors. Activities will include watching films, making food (lembas, anyone?), drawing/sketching, and creating our very own "worlds." Students will maintain a reading journal, engage in Socratic seminars, write short essays, take quizzes, and present a final project on a subject of their own choosing.

Frankenstein and Other Cursed Creatures

Course Details: UC/CSU Approved.

Course Description: Students will participate and lead Socratic seminars on various readings and films. Students will give an oral presentation on one of the following: trace the myth of the Golem, or Frankenstein's monster or Pandora or Pygmalion's Galatea, or Adam & Eve in a popular film or series. In consultation with the instructor, you will craft your own creature/ monster/ robot/ puppet/ muppet, using legos, sewing, piecing together random finds, etc. You will present your creature to the class, explaining the concepts and imagery that inspired it, and demonstrate in what way it takes on a life of its own, outside of your agency. Field Trips to Fred & Betty's for creature materials will be included, as well as a possible field trip to San Francisco, to see the Musee Mechanique on the Embarcadero, and the Misalignment Museum.

Oral Rhetoric

Course Details: UC/CSU Approved. This class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Description: Was Shakespeare just a demi-god we can only admire? Was Cicero simply an unrepeatable genius? How did American politicians, from Jefferson to Obama, inspire action and support? Is rhetoric magic, genius, flattery, or an art? Students taking Oral Rhetoric learn the art and philosophical underpinnings of spoken rhetoric; they aim to achieve both forcefulness and clarity of expression, and by studying diction, kinds of argument, and modes of delivery, practice the building blocks of Greek oratory (Progymnasmata). At the same time, they are inoculated against the false uses of rhetoric through briefly

considering Plato's and Aristotle's critique of the sophists. They analyze great masterpieces of persuasion, and they discern the difference between persuasion and propaganda. They learn to convert emotion into eloquence, as Kenneth Burke explains the alchemy of persuasion. Students will need to purchase a packet of materials from the school store. Student goals: Use a variety of rhetorical styles; Construct rhetorically sophisticated sentences, using variety to create interest and dictate pace; Recognize and deploy the rhetorical figures of speech; Analyze the style of a piece of prose; Consider the philosophical, rhetorical, and political implications of style; Produce short speeches drawn from the Progymnasmata; Deliver an extemporaneous speech; Develop basic delivery skills for public speaking: body language, projection, pace of speech, enunciation, etc.; Students will read excerpts and some speeches (taking about 1 hour a week); we will do analysis in class. They will need to prepare short speeches (taking about an hour or so over a week's time).

Psychology

Course Details: UC/CSU Approved.

Course Prerequisite if taken as a Semester core class: Biology, Chemistry, Junior standing or instructor consent (No prerequisite if taken as an Immersive.)

Course Description: This psychology course is designed to be a hands-on introduction into the science of psychology. It will be a survey of the essentials of psychology from classical theories to current trends with an emphasis on self-discovery through experiments and projects. The course will give students the opportunity to examine and reflect upon their beliefs, attitudes and feelings about themselves and their ideas of what people are like and why they behave as they do. Also included are topics such as: personality, intellectual abilities and adjustment, learning skills, perception, emotions, motivation, personality disorders, thinking and biological influences on behavior. The course will consist mostly of in-class projects with approximately an hour of homework completion per week.

Honors Socratic Psychology

Course Details: UC/CSU Approved.

Course Prerequisites: Biology and Chemistry; Junior or Senior standing; Seniors have priority

Course Description: This psychology course is designed to be a hands-on introduction to the science of psychology, accompanied by Classic Texts and important works within the field. It will survey the essentials of psychology from classical theories to current trends, emphasizing discovery through experiments and projects. The course will allow students to examine personality, intellectual abilities, adjustment, learning, memory, perception, emotions, motivation, personality disorders, and biological influences on behavior. We will dive into the history of psychology to better understand how the field has developed over time. Much of the course will include reading books and having many dedicated Socratic Seminar classes. This is an Honors course and your English teachers will be consulted before you are allowed into the class. If you are known for not being constructive in Socratic Seminars, this will be considered and might keep you from taking this upper-division course.

DISCLAIMER: This class will include conversations about trauma, psychosexual development from a Freudian perspective, abnormal human behavior, and other potentially sensitive topics. All such conversations will occur only when academically beneficial for the students in the course.

Introduction to Philosophy: Why is There Something Rather Than Nothing?

Course Details: UC/CSU Approved. This class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Description: SLOCA students will not only learn about philosophy, but also to philosophize, exploring such philosophical topics as epistemology, logic, the problem of evil, faith and reason, the mind and body relationship, and ethics. Through rigorous discussion and debate; class presentations, debates, and group activities; formal critical essays and dialogues—and, most importantly, through their own philosophizing!—SLOCA students will learn how to analyze and interpret their own personal experience in light of classic philosophical texts; to recognize, assess, and construct philosophical arguments using logical rules and philosophical principles; and to employ the tools of critical analysis and argumentative evaluation in their own thinking, speaking, and writing. Students also gain an understanding of the historical development of philosophical thought, from the ancient Greek philosophers, such as Plato and Aristotle, modern thinkers such as Descartes and Nietzsche, and contemporary thinkers such as Alasdair MacIntyre and Peter Kreeft. They will also be introduced to the perennial debates in philosophy: rationalism vs. skepticism, idealism vs. empiricism, relativism vs. absolutism, and theism vs. atheism. This is not a lecture class, for philosophy is best learned by practice, which means Socratic discussion—and lots of it! Each weekly class will consist of: 1) a seminar discussion of a philosophical text read the week before, and; 2) small-group, creative and fun activities, such as inventing a “world without evil,” participating in a formal debate on an important philosophical controversy, and discovering Plato’s Cave in our world, e.g., where might we find “prisoners staring at shadows on a cave wall” in 21st Century America? Estimate two hours of homework weekly, consisting of reading and some writing. Over the semester, you will complete three take-home projects: a philosophical dialogue, a philosophical essay, and debate preparation.

Moral Philosophy: What’s Good? Who’s Right?

Course Details: UC/CSU Approved. This class fulfills 1 Classical Education credit. 1 full year (2 credits) of Classical Education courses required to graduate.

Course Description: Regardless of our differing beliefs and values, we all want to be happy. But what is happiness? Is it just getting what we want? What if what we want isn’t good? What is “good”? Can we rationally justify claims about what we value, about good and evil and right and wrong? Are there objective standards of morality by which we can accurately prescribe and judge actions, or is right and wrong or good and evil only in the eye of the beholder, or the culture? SLOCA students will address these issues by reflecting upon their commonsense intuitions about human happiness, the Good, and how we ought to live our lives. They will revisit their initial thoughts by applying analytical reasoning to their own insights, and they will examine differing philosophical attempts to develop coherent and compelling moral theories capable of guiding moral decisions and ways of life. Among these are classical and medieval views such as virtue ethics, eudaimonism, and divine command; and modern conceptions, such as utilitarianism, deontology, and moral skepticism. Throughout the course, students will investigate how different ethical theories affect judgments on current ethical dilemmas such as capital punishment, animal rights, and war. As they wrestle with ethical issues, students will consider primary philosophical works, participate in discussions, debates, and skits, and write analytical essays and creative dialogues. This is not a lecture class, for philosophy is best learned by practice, which means Socratic discussion—and lots of it! Each weekly class will consist of: 1) a seminar discussion of a philosophical text read during the week before class, and; 2) small-group, creative and fun activities, including role-playing a variety of ethical scenarios, participating in a formal debate on an important ethical controversy, and creating and performing skits exemplifying moral theories. Estimate two hours of homework weekly, consisting of reading and some writing. Over the semester, you will complete three take-home projects: a dialogue, essay, and debate preparation.

The Good Life: How to Live, What to Do, Who to Be

Course Details: UC/CSU Approved.

Course Description: What does it mean to live a good life? Is it up to each individual to determine what is good for them personally? Or are there common features that every good life shares, that we can discover and emulate? Using the television show "The Good Place" as our informal guide, we will explore various ancient and modern theories about what is good and why. In the spirit of the science lab, as much as the philosophy seminar, we will then test for ourselves as many hypotheses as we are able—for example, by spending the morning helping the less fortunate in our community, and then reflecting on why so many people have believed that serving others is essential to living well. Our goal is to gain clarity about what habits and activities might constitute human flourishing (traditionally known as the virtues), in the hopes that we might lay the groundwork for more beautiful, meaningful lives ourselves.

Cooking the Good

Course Details: UC/CSU Approved.

Course Description: In your adult life, there are a few things you should do every day. Arguably, one of the most important daily practices to develop for your health, life, and family is learning to cook good food. In *Cooking the Good*, we will spend part of our days together exploring the basics of nutrition and food science. Another part of our day will be spent learning practical skills needed to consistently cook good food for yourself and your family. The culmination of our class will be a feast for the students' parents, cooked by the students. We will spend time learning from local chefs and farmers and share a meal or two. This introduction to nutrition and the basics of cooking is a great first step for learning how to care for your mind and body as you approach adult life.

Food: We Are How We Eat

Course Details: UC/CSU Approved.

Course Description: This course will consider an important topic that many of us take for granted: the cultivation, preparation, and consumption of food. Through a variety of disciplinary lenses—ecology, economics, nutritional science, history, ethics, politics, and aesthetics—we will reflect on how food shapes our lives as individuals and as communities. We will also get our hands dirty (quite literally) designing, planting, and maintaining a small garden on the new SLOCA high school campus. While humanists have for millennia discerned strong connections between culture and agriculture (Genesis, Homer, Virgil's *Georgics*, etc.), these connections have been largely severed in our day, when only four percent of the population works in food production. (As the Kentucky agrarian poet Wendell Berry is fond of pointing out, many advanced graduate students who can chart the course of the stars, or parse a line of Greek hexameter, could not grow a potato to feed themselves.) In several senses, then, this class will be a return to roots and origins. It should create some opportunities for us to eat together as well.

Inner and Outer Nature

Course Details: UC/CSU Approved.

Course Description: This course ponders the creative interrelation between the human heart and the natural world. By exploring and reflecting on the natural beauty of California's central coast and engaging with related literature, we will consider how we shape, and in turn are shaped by, our natural surroundings. With the aim of more fully inhabiting and appreciating both these "inner" and "outer" natures, we will organize our time around the Latin motto *Cogitare, Agere, Esse* (To Think, To Do, To Be)... Students will read and ruminate upon a variety of classic nature writings (by John Steinbeck, Annie Dillard, John Muir, Loren Eiseley, Aldo Leopold, John J. Rowlands, Rebecca Solnit, RW Emerson, William Wordsworth, Robert

MacFarlane, etc.); research and present on a nearby natural landscape (a beach, mountain, hiking trail, etc.); and write a reflective paper due at the end of the course. Students will disconnect from devices and get to know their local natural surroundings, going on approximately five one-hour long hikes, gaining confidence in their basic outdoor exploration skills. (This is the “outer” nature part.) Students will put to the test John Muir’s idea that “going out... was really going in.” Through a variety of creative writing and mindfulness exercises, we will gain a greater understanding of and appreciation for how wilderness sustains us as whole human beings. (This is the “inner” nature part.)

Music Appreciation

Course Details: UC/CSU Approved.

Course Description: After taking this course, students will be able to recognize and examine the defining characteristics of music from various eras and regions around the world. Although we will cover many eras of western music (e.g. Renaissance, Baroque, Ragtime, Blues, Jazz), our scope is a global one, studying music from all around the world (e.g. Africa, Central and South America, Asia, and Europe). We will also focus on understanding certain key elements of music (e.g. melody, rhythm, harmony, swing, improvisation, dynamics) as well as being able to identify certain musical instruments based on their sound and/or appearance. Finally, we will read about and study definitive people that have changed the history of music. Students will be expected to listen to assigned pieces throughout the week and read excerpts about music history, both of which will be discussed each week.

The History of Baseball

Course Details: UC/CSU Approved.

Course Description: This course will teach students about the ins and outs of the game of baseball. We will examine baseball from multiple perspectives (financial, scientific – how do you throw a curveball, what does it mean when a ball is “juiced”? – sociological, etc.). Baseball has often been referred to as America’s national pastime, but it is a truly global sport. Studying baseball provides us a lens to examine the various cultures (Mexico, Venezuela, Cuba, the Dominican Republic, South Korea, Taiwan, Japan (Japanese baseball is a particularly nerdy interest of Dr. Rocha’s), etc.) who play it. *The New Bill James Historical Abstract* will serve as our textbook and guide, but additional readings may include excerpts from Lawrence Ritter’s *The Glory of Their Times*, Roger Angell’s *The Summer Game*, Daniel Okrent’s *Nine Innings: The Anatomy of a Baseball Game*, Roger Kahn’s *The Boys of Summer*, and/or Michael Lewis’ *Moneyball*. Students will watch Ken Burns’ classic series on baseball together alongside viewings of iconic games. The course will also involve taking in live baseball, whether it be a field trip to a local Cal Poly baseball game or to a MLB game.

SLOCA Survivor

Course Details: UC/CSU Approved.

Course Description: Inspired by the beloved CBS reality competition, *Survivor*, this course will seek to understand what it really takes to outwit, outplay, and outlast to become the sole survivor. To do so, we will take an interdisciplinary approach, engaging with scholarship from fields such as anatomy and physiology, psychology, interpersonal communication, and ethics, to name a few. The primary “text” for this course will be a season of the reality show, but additional readings will be assigned to give students a holistic view of the physical, psychological, social, and ethical challenges that the competition presents. Students will also engage in outdoor and survival skills education facilitated by local experts. The course will culminate with an opportunity for students to put their new-found knowledge and skills to the test by playing a version of the game themselves.

Coding Robots: An Interactive Introduction to Coding and Robotics

Course Details: UC/CSU Approved.

Course Description: In this course, we will cover the basics of coding using robotics, circuits, and game design. Students will be expected to learn how to code and then produce a final project that is interactive and can be used either for a function or as a game. This class will have a heavy Makerspace component, meaning along with coding students will be expected to build structures that bring their creations to life. The skills we will learn will begin with basic block coding and will end with students writing their own JavaScript codes. This class is designed for true beginners. It will start from the basics and build as we progress through the class. A major component of the final project will also require a basic understanding of wiring and circuits.

Intro to Computer Aided Design (CAD) and 3D Printing

Course Details: UC/CSU Approved. 1 full year of any area G required to graduate.

Course Description: In this course, students will be taught basic skills in CAD drawings and designs. These skills will be used to create 3D printable objects. The software used will be SolidWorks, which “shows students the process involved in creating a physical object from an abstract concept. Through projects, students will practice the skills to transform an idea into a design and then convert it into a physical, 3-dimensional prototype of the product.”

This software requires Windows/Mac computers with a minimum spec of 8 MB RAM (16+ recommended). We are working on finding devices for this class, but it is best if the student can provide their own laptop.

Introduction to Welding

Course Details: UC/CSU Approval Pending

Course Description: In this class, you will be introduced to basic welding techniques and practices through a project-based, hands-on approach, exploring various methods to join, cut, and form carbon steel. Processes included are SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), GTAW (Gas Tungsten Arc Welding), Oxy-Fuel Cutting, and Plasma Arc Cutting. Students will practice these techniques, complete a few class projects, and end with their own unique creation. Concepts of design, layout, and fabrication will be explored in these projects. Come join us to learn the skills needed to build using steel and change the way you see everyday items.

Electri-immersive

Course Details: UC/CSU Approval Pending

Course Description: This immersive course introduces students to the electrical industry through hands-on labs, real-world contractor visits, technical training, and industry guest speakers. Students will form construction teams and complete a final ECIC-style capstone project where they estimate and present electrical scope, material logistics, and a service contract based on the SLOCA new campus project. The course integrates theory, practical application, safety, project management, and career exploration.

The Teaching Life

Course Details: UC/CSU Approved.

Course Description: In this course, students will have time with the school director (Early Childhood or Grammar/Middle School) as well as a classroom teacher who will provide real-world mentorship. The life

of a teacher is packed with time to learn, connection to young children, opportunities for collaboration, and support of a community. Students will be folded into the world of one of our highly qualified teachers as they participate in the daily routine of the classroom, becoming an extra hand for the teacher as they work with students one on one, all while being exposed to the rich and challenging life of the teacher.

Expedition SLO County

Course Details: UC/CSU Approved.

Course Description: Are you ready to experience the familiar in new ways? In this course, students will explore the breathtaking landscapes of our county, visit historical landmarks, and immerse themselves in the rich cultural tapestry of our community, with the purpose of developing a deeper appreciation for San Luis Obispo County. Through a blend of classroom discussions and diverse outdoor excursions, we'll investigate the multifaceted concept of home and learn to truly love where we live by experiencing it with fresh eyes and enthusiasm. From savoring the finest local cuisine to conquering the most beautiful hikes, we will deepen our appreciation for all the good that our home has to offer by uncovering it together. Whether you're a lifelong resident or a recent transplant, this course is for students ready to discover the goodness, truth, and beauty that lies just beyond our doorstep.

The Harlem Renaissance

Course Details: UC/CSU Approved.

Course Description: Between the end of WWI and the early 1930s a large number of African American writers, artists, performers and thinkers created powerful works and pollinated new ideas in terms of African American art and literature. This course will introduce students to African-American fiction, drama, poetry, nonfiction, art, music, and film produced during the movement known as the Harlem Renaissance.

Wild Awareness and Creativity

Course Details: UC/CSU Approval Pending.

Course Description: In a society that increasingly pushes efficiency and convenience, we are losing touch with the world around us. Join us for a chance to break the monotony of your day-to-day routine by stepping out of auto-pilot and into a more intentional way of living. We will begin by sharpening our attention through fun games and activities, and transition over the weeks to turn that same attention inward. Throughout the process, we will weave in creative projects, gathering inspiration from the natural materials around us. Expect to spend much of our time outside — moving, exploring, observing, and creating.

Tiny House Project: Phase 1

Course Details: UC/CSU Approval Pending.

Course Description: The modern “Tiny Home Movement” began as a cultural trend in the 1990s and has continued to be a revolutionary style of living, prioritizing minimalism, simplicity, environmental sustainability, and affordability. But how are they actually made? Join construction company owner Pat Kimbell in Phase 1 of this two-part immersive as he teaches you the basics of architecture, home design, and construction through this rigorous and physically engaging immersive on building a Tiny Home. For this Winter Immersive, the focus will be on building the overall structure – conveying mechanical, plumbing, and electrical systems (MEPs); weatherproofing; window and door installations; flashing; exterior insulation; and siding.

Students can request to take only the Phase 1 or Phase 2 class, or both. They do not have to be taken together, but for the full experience, we recommend both phases.

Tiny House Project: Phase 2

Course Details: UC/CSU Approval Pending.

Course Description: The modern “Tiny Home Movement” began as a cultural trend in the 1990s and has continued to be a revolutionary style of living, prioritizing minimalism, simplicity, environmental sustainability, and affordability. But how are they actually made? Join construction company owner Pat Kimbell in Phase 2 of this two-part immersive as he teaches you the basics of architecture, home design, and construction through this rigorous and physically engaging immersive on building a Tiny Home. By the end of this Spring Immersive, students will have helped build an outfitted tiny home with a kitchen, bathroom, and two bedrooms.

Students can request to take only the Phase 1 or Phase 2 class, or both. They do not have to be taken together, but for the full experience, we recommend both phases

Stem Electives

Data Science

Course Details: UC/CSU Approved as an Area C Math Course. As an elective, Data Science does not fulfill SLOCAHS’s 3 year math requirement, and does not fulfill the Area G requirement.

Course Prerequisite: Algebra 1

Course Description: SLO Classical Academy’s Data Science course has one primary goal and two sub-goals. We want students at the end of the course to be able to understand the story data wants to tell us in context. The students will need to use elementary statistical concepts (percentages, averages, graphs, etc.) to describe and computational techniques to collect and process the data that might speak to any given story. Frankly, life gives us questions. Data often helps get answers. We want students who can identify, collect and think critically to analyze appropriate data to answer those questions. In the Data Science course we will develop the principles, tools and techniques for thinking about these questions with real-world data. For some questions one needs data from more than one source and to merge those data into one dataset. For other questions, we will need to use multiple analyses to fully answer a question. This course is distinct from a Statistics course in that we will be emphasizing the computational aspects of questions; the collection of data from the internet via using APIs, the creation of standard rectangular data structures from irregular data, the visualization of these data and simulation. The bulk of the programming will be in Python, but students may choose to use R instead for some of their work. Mathematically, we have an Algebra 1 prerequisite and students will be learning elementary Probability, simulation and basic statistical inference (confidence intervals and hypothesis testing) to achieve course goals. This course is an introduction to the practice of data science: reasoning about the world with data. The course applies concepts from statistics and probability, alongside computation and visualization, as a means of processing data to learn about the world. An emerging academic discipline, data science creates a basis for thinking about and with data and understanding the ways in which data operate to shape our world.

Introduction to Computer Science in JavaScript

Course Details: UC/CSU Approved as an Area D Science Course. As an elective, Computer Science does not fulfill SLOCAHS’s 2 year science requirement, and does not fulfill the Area G requirement.

Course Description: This beginning course will teach the foundations of computer science and basic programming in JavaScript, with an emphasis on helping students develop logical thinking and problem solving skills. Topics covered include: graphics, animation and games, data structures, and more. The

web-based curriculum is made up of a series of learning modules that cover the fundamentals of programming. Each module is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and unit tests. The course is designed for a year long class that meets 5 days per week. We will meet for 30 hours over the course of the semester, with an additional 15 hours expected from home. (You will have access to the course materials for the full academic year, and so you are welcome to work independently once the course has come to an end. If you wish to take the advanced level course and would like to take the AP Computer Science Principles test, you will be responsible for completing the rest of the course work on your own time.)

Honors Advanced Computer Science

Course Details: UC/CSU Approved as an Area D Science Course. As an elective, Computer Science does not fulfill SLOCAHS's 2 year science requirement, and does not fulfill the Area G requirement.

Course Description: This course is for students with some prior programming experience, and will introduce students to the foundational concepts of computer science and explores the impact computing and technology have on our society. Students learn about the internet, digital information, programming, data, and apply these concepts through creative projects, while building their portfolio. The web-based curriculum is made up of a series of learning modules that cover the fundamentals of programming. Each module is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and unit tests. The course is designed for a year long class that meets 5 days per week. We will meet for 30 hours over the course of the semester, with an additional 15 hours expected from home. (You will have access to the course materials for the full academic year, and so you are welcome to work independently once the course has come to an end. If you would like to take the AP Computer Science Principles test, you will be responsible for completing the rest of the course work on your own time.)

Other Electives

Occasionally, SLOCA High School also offers additional electives for SLOCA credit that are not considered college preparatory and therefore are not certified/approved for CSU and UC college applications, but do fulfill SLOCA's elective graduation requirements. These electives include Physical Education, Life Skills ("Life Beyond SLOCA"), and Study Skills Seminar.

Camping

Course Description: Together we will venture out into the wild (or at least the semi-wild) as we practice planning and executing a camping road trip! Students will get to practice survival skills, read from authors and poets who have historically connected with the land, hike, journal, and of course: camp! We will immerse ourselves in nature, enjoy the world as it is, and perhaps even get a taste of the sublime, all within 3 packed full weeks! Come along for this wonderful adventure!

Oaxaca Cultural Spanish Immersion Trip

Course Prerequisites: Open to students who will be concluding their Spanish 2 and Spanish 3 courses

Course Description: Traveling is one of the most highly regarded methods of learning. History classes and textbooks can teach the facts, but it is not until students immerse themselves in the diverse culture of a foreign country that they truly discover the impact of travel on one's education. This Oaxaca Cultural Spanish Immersion provides an enriching opportunity for students to develop their ability to understand and speak Spanish along with learning about the life of one of the most fascinating Mesoamerican communities in Mexico.