

COURSE OFFERINGS BY DEPARTMENT

History/Social Science

Course Offerings

WORLD HISTORY

Grade Level: 10 **Length:** 1 year

UC Requirement Fulfilled: a

Prerequisite: 10th grade standing

Course Description: This course is a one-year study of the modern world with a primary focus on Europe and Asia. Students investigate events that have occurred in the last two centuries to see how they have led to present-day situations, and evaluate how knowledge of the past can influence future sensible decisions. In this historical context the following concepts will be stressed: geography, political systems, interdependence, change, economics, culture, and the worth of the individual.

U.S. HISTORY

Grade Level: 11 **Length:** 1 year

UC Requirement Fulfilled: a

Prerequisite: 11th grade standing

Course Description: This course explores causes and events of U.S. History from post reconstruction to the present and emphasizes political, social, economic, and cultural forces that have shaped the development of this country. Students recognize historical patterns, examine critical issues, and study the impact of key individuals as they relate to national growth and international influence.

U.S. GOVERNMENT

Grade Level: 12 **Length:** 1 semester

UC Requirement Fulfilled: a

Prerequisite: 12th grade standing

Course Description: This course covers the structure and function of the American political system. Topics include the Constitution, electoral and legislative process, and current political issues. U.S. Government is partnered with Economics.

ADVANCED PLACEMENT U.S. HISTORY

Grade Level: 11 **Length:** 1 year

UC Requirement Fulfilled: a

Prerequisite: This course is open to juniors who have been successful in previous history classes. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in World History and strong reading and writing skills.

Course Description: This course is an intensive study of U.S. History from the age of exploration to the present. Topics will include the spectrum of U.S. History with emphasis on historical perspectives as they relate to today's world. This course is a college-level class. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS

Grade Level: 12 **Length:** 1 semester

UC Requirement Fulfilled: a

Prerequisite: This course is open to seniors who have been successful in previous history classes. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in U.S. History or AP U.S. History and strong reading and writing skills.

Course Description: This college level course covers the nuts and bolts of the American political system, including its structure and operations, and the behavior of the electorate and politicians. Students will gain an analytic perspective, enabling them to critically evaluate political information, concepts, opinions, and processes. AP U.S. Government is partnered with Economics. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

ECONOMICS

Grade Level: 12 **Length:** 1 semester

UC Requirement Fulfilled: g

Prerequisite: 12th grade standing

Course Description: This course is the study of economic systems in America as well as in other nations. Students will gain an understanding of the role of scarcity in the U.S. as well as around the world. Students will study topics such as the Federal Reserve Bank, perfect competition, monopolies, supply and demand, and how these topics affect prices in the market place and in international trade. Economics is partnered with either AP U.S. Government or U.S. Government.

Course Offerings

ENGLISH FOUNDATIONS

Grade Level: 9 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: 9th grade standing

Course Description: English Foundations introduces a variety of genres of literature and writing, as well as a year-long study of grammar and vocabulary in accordance with common core state standards. Literature presented in the course will include short stories, non-fiction, descriptive vignettes, novels, plays, and poetry. Students will write narrative, descriptive, and analytical pieces centering around the literature presented in the course. During the first semester, novels and plays include: *Of Mice and Men*, *The Old Man and the Sea*, *The Odyssey*, and *A House on Mango Street*. During the second semester, novels and plays include: *Romeo & Juliet*, *To Kill a Mockingbird*, and *A Separate Peace*. Students may supplement this course with an optional honors seminar, which is available for honors credit.

WORLD LITERATURE

Grade Level: 10 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: 10th grade standing

Course Description: World Literature considers common themes in literature and explores how they are represented in seven different world regions. Students read poems, short stories, plays, and novels. Essay styles include: analytical, narrative, persuasive, and response to non-fiction. World Literature also includes as a year-long study of grammar and vocabulary in accordance with common core state standards. Novels and plays may include: *Cry the Beloved Country*, *Chronicle of a Death Foretold*, *The Tempest*, *A Midsummer Night's Dream*, *Julius Caesar*, *Lord of the Flies*, *Antigone*, *Night*, *Hiroshima*, *All Quiet on the Western Front*, *Metamorphosis*, *One Day in the Life of Ivan Denisovich*, and *Animal Farm*. Students may supplement this course with an optional honors seminar, which is available for honors credit.

AMERICAN LITERATURE

Grade Level: 11 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: 11th grade standing

Course Description: American Literature focuses on a study of the development of the American language and character in literature and the social, philosophical, and historical movements that created them. Students read critical analysis, poems, short stories, plays, and novels. Essay styles include: analytical, argumentative, historical investigation, and research. This course also includes a year-long study of grammar and vocabulary in accordance with common core state standards. Novels and plays may include: *Hamlet*, *The Crucible*, *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *The Great Gatsby*, *The Grapes of Wrath*, and *Catcher in the Rye*.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

Grade Level: 11 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: This course is open to juniors who have been successful in previous English classes. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in 10th grade English class and strong reading and writing skills.

Course Description: AP English Language and Composition is a college-level rhetoric, composition, and critical thinking course. Students receive a rigorous immersion in English language and composition studies, and are expected to read, think, and write critically. Readings include a variety of non-fiction and informational texts, including speeches, essays, scholarly research, and primary source documents. Rhetorical analysis focuses on the interaction of context, genre, audience, purpose, argument, evidence, appeals, and style. Similar to the study of written texts, students also learn to analyze the rhetoric of visual texts. Students produce informal and formal writing in a variety of modes, including argument, rhetorical analysis, research, synthesis, and reflection. Course curriculum is designed to prepare students to “enter the conversation” in college courses on a variety of philosophical, political, and cultural issues. Full-length literary texts supporting the core rhetoric include *The Crucible*, *The Adventures of Huckleberry Finn*, *The Great Gatsby*, and *The Catcher in the Rye*. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

EXPOSITORY READING AND WRITING COURSE (ERWC)

Grade Level: 12 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: 12th grade standing

Course Description: The Expository Reading and Writing Course was developed as part of the CSU system’s Early Assessment Program (EAP). The key principles involve the integration of interactive reading and writing processes, a rhetorical approach that fosters critical thinking and engagement through a focus on assessment language, and classroom activities designed to model and foster successful practices of student writers.

MODERN LITERATURE AND WRITING

Grade Level: 12 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: 12th grade standing

Course Description: Modern Literature and Writing is a year-long course for 12th grade students. Literature units are arranged by genre, including poetry, drama, fiction, and creative non-fiction. Analysis of the literature focuses on the writer’s voice, style, narrative structures, themes, and elements of craftsmanship. Writing modes include: analytical, argumentative, comparison/contrast, interpretive, narrative, research, reflective, business letters, and creative writing. Core literature includes *The English Patient*, *Their Eyes Were Watching God*, *The Awakening*, *A River Runs Through It*, *Sweet Thursday*, and *Death of a Salesman*.

ADVANCED PLACEMENT ENGLISH

Grade Level: 12 **Length:** 1 year

UC Requirement Fulfilled: b

Prerequisite: This course is open to seniors who have been successful in previous English classes. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in 11th grade English class and strong reading and writing skills.

Course Description: Advanced Placement English is a year-long college-level course. Students will read eight major texts, plus poetry, and they will write in-depth analyses of these works. In addition, students will explore various approaches to literary criticism in readings in *Criticism*. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

Math

Course Offerings

INTEGRATED MATH SERIES: Math 1, Math 2, and Math 3 are a sequence of courses that build upon the foundation established in elementary and middle school. These courses develop mathematics across multiple categories, continue to promote diverse mathematical insights, and nurture differing strengths and talents. All three courses (Math 1, Math 2 and Math 3) are needed for CSU/UC college eligibility.

MATH 1

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: None

Course Description: Math 1 provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data.

MATH 1A

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: None

Course Description: This is an integrated course designed for a wide variety of students who need more time to acquire the California Common Core State Standards to meet the state Algebra 1 requirement. This approach is more "hands-on", interactive and in-depth, with ongoing support of basic mathematics skills. Math 1A is a year-long course utilizing the California Common Core State Standards with an emphasis on incorporating multi-media technology to support learning. It will be followed up next year with Math 1B, thus completing the Math 1 California Common Core State Standards.

MATH 1B

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: Math 1A

Course Description: This is an integrated course designed for a wide variety of students who need more time to acquire the California Common Core State Standards to meet the State Algebra I requirement. This approach is more "hands on", interactive, and in depth with ongoing support of basic math skills. Math 1B is a year-long course utilizing the California Common Core State Standards with an emphasis on incorporating multi-media technology to support learning.

MATH 2

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: Successful completion of Math 1 or equivalent.

Course Description: Math 2 continues a progression of the standards established in Math 1. In addition to these standards, Math 2 includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

MATH 3

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: Successful completion of Math 2 or equivalent.

Course Description: Math 3 progresses from the standards learned in Math 1 and Math 2. In addition to these standards, Math 3 extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math 3 also includes the geometric concepts of conics and circles.

MATH ANALYSIS

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: Successful completion of Math 3, Algebra 2, or equivalent.

Course Description: This course is designed for students interested in careers in science, mathematics, or engineering, who plan to take AP Calculus or AP Statistics. Topics studied include trigonometry, vectors, functions, complex numbers, elementary probability theory, polar coordinates, exponential and logarithmic equations, and equations of lines and planes.

ADVANCED PLACEMENT STATISTICS

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: This course is open to students who have been successful in Math 3 or Math Analysis. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in Math 3 or Math Analysis.

Course Description: This course is an option for any students interested improving their quantitative reasoning skills, especially those planning to pursue college majors such as business, social science, biological science, environmental science, engineering or mathematics. Students are introduced to major statistical concepts and the tools used for collecting, analyzing and drawing conclusions from data. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

ADVANCED PLACEMENT CALCULUS AB

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: c

Prerequisite: This course is open to students who have been successful in Math 3 or Math Analysis. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in Math 3 or Math Analysis.

Course Description: AP Calculus AB is comparable to the first calculus course offered in colleges and universities. Students work with functions in a variety of ways, develop the meanings of the derivative and definite integral, use technology to explore calculus concepts, make the connection between the derivative and definite integrals through the Fundamental Theorem of Calculus, solve differential equations, and explore a variety of applications of both the derivative and the integral. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

Course Offerings

BIOLOGY

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion in previous science classes.

Recommended: B or higher in previous science classes and strong study skills.

Course Description: This course is designed for students with strong academic skills. Topics of study include ecology, basic chemistry, cell structure, genetics, evolution, recombinant DNA technology, and plant and animal anatomy and physiology. There will be considerable lab work as well as lecture.

CHEMISTRY

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion of Biology.

Recommended: B or higher in Biology and in previous math class.

Course Description: This class is designed to teach students about interactions of matter and chemical laws and theories through class demonstrations, lectures, student laboratory experiments and problem solutions. Students study atomic theory, kinetic theory, atomic structure, and principles of chemistry. It is recommended that students prepare for this class by learning the symbols and valences over the summer. Copies are available on the school's website.

PHYSICS

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion of biology and Math 1 is recommended.

Course Description: Physics is designed for the 4-year college bound student with a good math background who has a desire to learn more about mechanics, energy, heat, sound, light, magnetism, electricity, electronics, and nuclear action.

This course prepares students for careers in science, engineering, technology, medicine, and teaching. It is a third year college prep course.

ADVANCED PLACEMENT BIOLOGY

Grade Level: 11-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: This course is open to students who have been successful in their previous science classes. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in Biology and Chemistry.

Course Description: AP Biology is a rigorous course taught at college level and is equivalent to the first year of Biology offered at major universities throughout the country. Students use a college textbook, complete college level units, and explore the complex world of biology by performing college level labs. Major units covered include chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

ADVANCED PLACEMENT PHYSICS 1

Grade Level: 11-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: This course is open to students who have been successful in their previous science and math classes. This course may require a summer assignment. Students must submit a completed AP contract.

Recommended: B or higher in Biology, Chemistry, and Math 2.

Course Description: AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: This course is open to students who have been successful in their previous science classes. This course may require a summer assignment. Students must submit a completed AP contract. Incoming 10th graders must be concurrently enrolled in Chemistry.

Recommended: B or higher in Biology and Chemistry.

Course Description: AP Environmental Science is a year-long UC/CSU laboratory science. Unlike most other college introductory-level science courses, environmental science is offered from a wide variety of departments, including biology, geology, environmental studies, environmental science, chemistry, and geography. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

ENVIRONMENTAL SCIENCE

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: Successful completion of Biology.

Course Description: Environmental Science is an elective science course that fulfills the elective requirement for UC/CSU—it is not a lab science. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

ENGINEERING DESIGN (CONSTRUCTION TECH 2) (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion of Math 1; concurrent enrollment or previous completion of Math 2.

Course Description: This is designed as an introductory college and career preparatory course in Physics and Geometry, with continuous integration of Engineering Career Technical Education industry sector pathways (such as Engineering Design or Architectural and Structural Engineering). Course units are guided by project-based learning strategies to ensure adequate ramping and integration of content knowledge and requisite skills in Geometry, Engineering, and Physics. These units include: catapults, bridges, solar energy, wind energy and turbines, Archimedes screw, telescopes, energy efficient houses, musical instruments, and race cars. Each unit begins with a historical perspective to gain an understanding of how new engineering discoveries rely on the innovations of the past. Students design brief challenges and are asked to make new innovations while keeping the spirit of the original innovation or technology.

GREEN ENGINEERING (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion of Math 1; concurrent enrollment or previous completion of Math 2.

Course Description: This course provides students an introduction into the growing field of green careers such as alternative energy (solar, wind, etc.), green architecture and construction, LEED building certification, waste management options, organic farming, natural resource management & restoration, green retailers, and more. During the course, students will participate in interactive classroom instruction, concurrent pre-internships (first semester), and a higher level internships (second semester) with green businesses, agencies and non-profits. In addition, internships will provide exposure to the increasing green career opportunities and sustainable development, and changes in higher education choices. Curriculum will emphasize a global view of environmental studies and resource ecology, striving for environmental literacy. Program will be enhanced with guest speakers and presenters, skill trainers and field trips.

AQUACULTURE (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: Successful completion of a life science

Course Description: A hands-on, project-based, applied math and science course covering the study of aquaculture for work-based learning. The course includes aquatic careers, an overview of the different types of aquaculture, water-quality, monitoring, aquatic ecology, equipment, organism life cycles and culturing techniques, feeds and nutrition and business practice. Students will culture various aquatic organisms in the laboratory and participate in field trips to local aquaculture facilities. Business partners will mentor and offer job shadowing and internship opportunities to the students.

OCEANOGRAPHY

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: Successful completion of either Biology or both Integrated Earth and Life Science.

Course Description: This is an advanced marine science course. Oceanography applies and connects such science disciplines as geology, astronomy, meteorology, and ecology to understand the oceanic portion of the planet. This is a college prep course, intended as a 3rd year science.

EARTH SCIENCE

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: None

Course Description: This course satisfies one year of the three-year science graduation requirement, fulfilling the high school physical science requirement. This course provides students with an understanding of their local environment through the study of the earth, field, and sky, and will be aligned with Earth Science standards. Students study minerals, plate tectonics, rocks, chemistry, meteorology, the solar system, and the ocean.

World Languages

Course Offerings

SPANISH 1

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: None

Course Description: Students will be able to produce simple questions, answers, and descriptions, will use basic grammar forms, and should develop a vocabulary of at least 500 words and phrases. They will be able to make statements and describe things and actions within their vocabulary range including common objects, numbers, colors, family, time, dates, months, weather, clothing, classes and teachers, and free time activities. Students will begin to explore the culture of countries where the language is spoken.

SPANISH 2

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: Successful completion of Spanish 1.

Course Description: Building on the knowledge acquired in Spanish 1, students will be able to ask and answer many sophisticated questions. Expressions used will increase in length, and some creativity will begin to be evident. Ways of expressing actions in the present and future will be reviewed and the past tenses will be introduced. Active vocabulary will increase to at least 800 words, including such topics as food, transportation, school, holidays, stores, entertainment, sports, health, and giving and understanding directions. Cultural awareness will increase.

SPANISH 3

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: Successful completion of Spanish 2.

Course Description: Students will be able to form complete sentences and will be able to sustain some lengthy conversations. They will be able to be quite creative with expanded knowledge of their target language. Productive vocabulary will be at least 1000 words, many of which extend into areas beyond survival needs. Students will be introduced to the literature of their target language.

SPANISH 4

Grade Level: 11-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: Successful completion of Spanish 3.

Course Description: Students will learn the rest of the tenses, and by the end of the course, will be quite conversant on a wide variety of topics. Students will be able to use longer expressions and join sentences and clauses properly. Active vocabulary will surpass 1300 words. Students will read short selections of literature in the target language.

ADVANCED PLACEMENT SPANISH

Grade Level: 11-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: This course is open to students who have been successful in Spanish 3. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in Spanish 3.

Course Description: AP Language and Culture is conducted almost entirely in Spanish and is designed to help students improve their proficiency across the three modes of communication: interpretive, presentational and interpersonal. The focus of the class will be on comprehending authentic audio sources, interpreting authentic written text, communicating interpersonally on a variety of issues and stating opinions and analyses (orally and in writing) based on what students have heard and read. The course will incorporate authentic resources such as literature, essays, films, video clips and magazine and newspaper articles that are representative of the Spanish speaking world, with the goal of providing a rich, diverse learning experience. Students communicate with their peers, teacher and other audiences using appropriate vocabulary and cultural understandings. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

FRENCH 1

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: None

Course Description: Students will be able to produce simple questions, answers, and descriptions, will use basic grammar forms, and should develop a vocabulary of at least 500 words and phrases. They will be able to make statements and describe things and actions within their vocabulary range including common objects, numbers, colors, family, time, dates, months, weather, clothing, classes and teachers, and free time activities. Students will begin to explore the culture of countries where the language is spoken.

FRENCH 2

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: Successful completion of French 1.

Course Description: Building on the knowledge acquired in French 1, students will be able to ask and answer many sophisticated questions. Expressions used will increase in length, and some creativity will begin to be evident. Ways of expressing actions in the present and future will be reviewed and the past tenses will be introduced. Active vocabulary will increase to at least 800 words, including such topics as food, transportation, school, holidays, stores, entertainment, sports, health, and giving and understanding directions. Cultural awareness will increase.

FRENCH 3

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: Successful completion of French 2.

Course Description: Students will be able to form complete sentences and will be able to sustain some lengthy conversations. They will be able to be quite creative with expanded knowledge of their target language. Productive vocabulary will be at least 1000 words, many of which extend into areas beyond survival needs. Students will be introduced to the literature of their target language.

FRENCH 4

Grade Level: 11-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: Successful completion of French 3.

Course Description: Students will learn the rest of the tenses, and by the end of the course, will be quite conversant on a wide variety of topics. Students will be able to use longer expressions and join sentences and clauses properly. Active vocabulary will surpass 1300 words. Students will read short selections of literature in the target language.

ADVANCED PLACEMENT FRENCH

Grade Level: 11-12 **Length:** 1 year

UC Requirement Fulfilled: e

Prerequisite: This course is open to students who have been successful in French 3. This course may require a summer assignment. Students must submit a completed AP Contract.

Recommended: B or higher in French 3.

Course Description: AP Language and Culture is conducted almost entirely in French and is designed to help students improve their proficiency across the three modes of communication: interpretive, presentational and interpersonal. The focus of the class will be on comprehending authentic audio sources, interpreting authentic written text, communicating interpersonally on a variety of issues and stating opinions and analyses (orally and in writing) based on what students have heard and read. The course will incorporate authentic resources such as literature, essays, films, video clips and magazine and newspaper articles that are representative of the French speaking world, with the goal of providing a rich, diverse learning experience. Students communicate with their peers, teacher and other audiences using appropriate vocabulary and cultural understandings. Students earn college credit through successful completion (scores 3, 4, or 5) on the AP exam for this course.

Visual and Performing Arts

Course Offerings

ART AWARENESS

Grade Level: 9-12

Length: 1 year

UC Requirement Fulfilled: f

Prerequisite: None

Course Description: This foundation course is designed to meet the challenge of creating visual art in a compelling and interesting way. Through 2D, 3D and digital art experiences the curriculum will provide each artist with the ability to generate creative ideas as well as the skills to execute them. Art Awareness focuses on the development essential visual skills in classical art such as drawing, painting and ceramics, and modern technology-driven arts including digital media and photography. Observational and conceptual exercises will explore the use of a broad variety of materials, techniques, digital media and treatments used to design, draw, paint, sculpt and create. Exposure to art in our community, peer support, and the development of personal sketchbooks will build the confidence to create. This course inspires and encourages a positive feeling about the visual arts, and knowledge of the basic techniques and procedures to experience and understand art.

STUDIO ART 2

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: Successful completion of Studio Art 1.

Course Description: Students in this class use the foundation art and design skills learned in Studio Art 1 and apply them to more advanced projects exploring a variety of new media and techniques. Students must have an understanding of the elements of art: line, shape, form, value, color and space. Studio experiences include drawing, painting, illustration, multimedia, and printmaking projects. Each student demonstrates progress over time by developing a body of work and organizing a portfolio. Emphasis is on broadening skills, developing creativity, studio production, and portfolio development. Students are expected to frequently reflect upon their work, identifying their strengths and limitations in order to direct their work. Students analyze and critique their own work, work of their peers, and the work of professional artists. This is a fast paced class and students should be prepared to do work outside of class.

ADVANCED PLACEMENT STUDIO ART

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: This course is open to students who have been successful in previous art classes. This course may require a summer assignment. Students must submit a completed AP contract.

Recommended: B or higher in previous art classes.

Course Description: This course is designed for students who are interested in the practical experience of art. Emphasis is on broadening skills, developing creativity, studio production, and portfolio development. Students are expected to frequently reflect upon their work; identifying their strengths and limitations in order to direct their work. Students analyze and critique their own work, work of their peers, and the work of professional artists. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. Students research a variety of two and three-dimensional media. They learn how to work with the elements of art and the principles of design, develop an understanding of the historical importance and context of visual art, and are expected to create high quality work for display in a variety of local and regional art shows. Students complete at least one quality piece of art per week, so it is understood that the pace of the class is challenging, and that students are expected to be working on artwork at home. All AP Studio Art students are expected to become independent thinkers and to apply their knowledge of the elements of art and principles of design to their work (regardless of medium) in order to demonstrate mastery of advanced level design skills and concepts. Students earn college credit through successful completion (scores of 3, 4, 5 or 6) on the AP portfolio for this course.

PHOTOGRAPHY 1

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: None

Course Description: This course familiarizes students with digital photographic equipment, software, materials, and methods through hands-on practice. This course also covers photo as an art, photo history, the functions of the camera, camera handling, proper exposure, lighting techniques, printing, mounting, print display, and creative processes. This course integrates the elements of art and the principles of design as they relate to photographic composition, allowing creative and expressive opportunities. Students are encouraged to submit projects for student publications, competition and display. Upon completion of this course, students will be able to work independently with cameras, scanners, printers and computers. Students compile a digital and real portfolio that can be used to demonstrate their abilities for college entrance or employment in the visual art field.

CERAMICS 1

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: None

Course Description: This year long course gives students a strong foundation in hand-building techniques and exposure to wheel throwing. Students support each other in studio time and learn aesthetic valuing, applying the elements of art and principles of design to their work and the work of other artists. Students increase their awareness of both the historical and cultural significance of pottery as well as contemporary practices. A variety of surface decoration techniques are explored to add dimension to student's work. Students submit a digital portfolio for their final in this class.

CERAMICS 2

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: Ceramics 1

Course Description: This year long course refreshes the students with a background in basic hand-building and throwing techniques to deepen their practice in the medium of ceramics. Intermediate students are encouraged to repeat projects addressed in beginning ceramics and take them to the next level, or to help design their own curriculum by planning independent projects with the assistance of the instructor. Advanced students challenge themselves by choosing a focus in wheel throwing, refining hand-building skills, working in series or on larger scale projects or anatomical sculpture. Aesthetic valuing, creating a portfolio and connections to the applications of ceramics in the workplace are emphasized.

CONCERT CHOIR

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: None

Recommended: Some singing experience is helpful.

Course Description: Choir is a multi-graded choral experience designed to provide musical study through the medium of vocal music. Students rehearse and perform a variety of musical styles. A variety of music is learned along with techniques of vocal production and music reading. This ensemble presents two or more concerts during the year. There are additional opportunities during the year for various community performances and small ensemble experiences. Advanced singers are also eligible for participation in district, regional and state festivals. Outside performance is required.

CONCERT BAND

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: Students must audition and receive instructor's approval.

Course Description: Concert Band is a multi-grade instrumental ensemble designed to provide musical study through the medium of band music. Students rehearse and perform a variety of musical styles. Students should have at least two years experience to participate in band. A variety of music is learned along with techniques of tone production and music reading. This ensemble presents two or more concerts during the year. There are additional opportunities during the year for various community performances and for small ensemble experiences. Advanced musicians are also eligible for participation in district, regional and state festivals. Outside performance is required.

DRAMA 1

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: None

Course Description: In this course students will study various facets of theatre arts. Acting techniques, including voice control, character analysis, interpretation of dialogue, pantomime, and movement will be explored and employed in assigned scenes. Incorporated into the course are units on the history of theatre, playwriting, play reviews, scenic design and construction, make-up, costume design, lighting, publicity and stage production crews.

DRAMA 2

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: f

Prerequisite: Drama 1 or teacher recommendations

Course Description: This is a production class. Everything we do revolves around the concept, design, rehearsal, and public performance of a full scale drama or comedy in the Fall and a musical in the Spring. Students refine skills in acting, singing & dancing; set design and scenic art; make up design and application; light and sound design; publicity and fund raising; costume design; and stage management. Guest speakers and local professionals in the all fields of Theater Arts will be invited to share their knowledge of stagecraft etc...Practical "hands-on" training will be the focus for all students with the support of the SLVUSD theater technician. Students participate in exercises (physical and written), improvisations, as well as research projects and field trips, which will help them to gain a better understanding of the play, its history, and its characters. There will be an audition process, in which students develop skills that will improve their auditions (and can be useful in job interviews as well!). The play will be rehearsed in class, after school, and occasionally on Saturdays, and performed before a public, paying audience. NOTE: Attendance at all performances of the play, either as an actor or Technical Crew is required.

GRAPHIC DESIGN 1 (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f or g

Prerequisite: None

Course Description: Students are introduced to the fundamental art and design theory and skills essential to design and visual communication. Lecture and projects emphasize elements of art and principals of design. Students are informed and influenced by studying graphic design history and contemporary design. Students study the historical context of graphic design while developing skills in artistic perception, critiquing, and application of design strategies through experiences that emphasize solving visual art problems. Students develop an awareness of historical trends in design as well as themes and subject matter from diverse times, places and cultures. Color theory and perception, composition, typography, product marketing and multi-media design are explored with emphasis on appropriate, effective communication and aesthetic valuing. Students develop an independent portfolio of work and create an exhibit of their work demonstrating mastery of Visual and Performing Arts standards as a capstone project.

GRAPHIC DESIGN 2 (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f of g

Prerequisite: Graphic Design 1 and permission of instructor

Course Description: Students learn intermediate to advanced visual communication and design theory. Projects have a strong emphasis on elements of art and principals of design learned in Graphic Design 1. Students are informed and influenced by studying graphic design history and contemporary design. Students study a historical context of graphic design while developing skills in artistic perception, critiquing, and application of design strategies through experiences that emphasize solving visual art problems. Students develop an awareness of historical trends in design, themes and subject matter from diverse times, places and cultures. Color theory and perception, composition, typography, product marketing and multi-media design are explored in-depth with emphasis on effective communication and aesthetic valuing. Course work includes advanced design solutions for print, 2D animation with emphasis on storytelling, web design, and motion graphics for film. Students develop an independent portfolio of work with a student exhibit demonstrating mastery of Visual and Performing Arts standards as a capstone project.

VIDEO PRODUCTION (ROP)**Grade Level:** 10-12 **Length:** 1 year**UC Requirement Fulfilled:** f or g**Prerequisite:** None

Course Description: Video Production is a hands on course in which students are expected to actively participate in all aspects of the class including: pre-production planning, writing and script editing, on-camera acting, technical work, critical analysis, post-production editing of projects and their presentation to outside audiences. This course includes history of television and its place in society, its influence, both creative and original, as well as commercial. Students create and produce original video projects that examine specific genres. Students learn to distinguish between poor and good quality projects and demonstrate the ability to produce quality programming. The class provides training for occupations in the television and video fields and students learn the kind and quality of production work necessary for successful entry into the video job market. For students who plan on attending college, the course will provide background to help the student succeed in the areas of television production, marketing, fine and performing arts, film, and multimedia.

Elective Courses

Course Offerings

AVID 9

Grade Level: 9 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: Acceptance into the program (requires application)

Course Description: AVID is a structured, college preparatory system working directly with students who have college potential with support. Students must apply and be accepted into the AVID program. Once accepted, the AVID elective course will be an elective for students for all four years to prepare for college and career. This preparation will include development as readers and writers, deepening content knowledge learning strategies for Writing, Inquiry, Collaboration, Organization and Reading (WICOR). Since 1990, more than 110,000 AVID students have graduated high school and plan to attend college. AVID students complete four year college entrance requirements at a rate at least two times higher than the national rate.

AVID 10

Grade Level: 10 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: successful completion of AVID 9 and continued acceptance into the program (requires application)

Course Description: AVID is a structured, college preparatory system working directly with students who have college potential with support. Students must apply and be accepted into the AVID program. Once accepted, the AVID elective course will be an elective for students for all four years to prepare for college and career. This preparation will include development as readers and writers, deepening content knowledge learning strategies for Writing, Inquiry, Collaboration, Organization and Reading (WICOR). Since 1990, more than 110,000 AVID students have graduated high school and plan to attend college. AVID students complete four year college entrance requirements at a rate at least two times higher than the national rate.

AVID 11

Grade Level: 11 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: successful completion of AVID 10 and continued acceptance into the program (requires application)

Course Description: AVID is a structured, college preparatory system working directly with students who have college potential with support. Students must apply and be accepted into the AVID program. Once accepted, the AVID elective course will be an elective for students for all four years to prepare for college and career. This preparation will include development as readers and writers, deepening content knowledge learning strategies for Writing, Inquiry, Collaboration, Organization and Reading (WICOR). Since 1990, more than 110,000 AVID students have graduated high school and plan to attend college. AVID students complete four year college entrance requirements at a rate at least two times higher than the national rate.

STUDENT COUNCIL (ASB)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: Students must fill out an application and then be elected or appointed to the class.

Course Description: ASB Leadership is for elected and appointed student leaders to develop leadership skills. ASB Leadership combines high-level critical thinking, reading, writing and analytical skills into service based and entrepreneurial project experiences. Students will participate in research and evaluation, project planning and execution, synthesizing information obtained in all of their core classes. Leadership will prepare students through real world application in order to produce civically engaged and socially conscious citizens.

STUDENT AIDE

Grade Level: 11-12 **Length:** 1 semester

UC Requirement Fulfilled: None

Prerequisite: Students must be in good standing in their other classes and be approved through administration.

Course Description: Working under the direct supervision of teachers and classified staff in the elementary, intermediate and high schools, students will gain practical experience by serving as teacher aides, clerical aides, laboratory assistants, or child care aides. Candidates must consult their counselor and must be assigned a position through the Career Center.

YEARBOOK/JOURNALISM

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: Successful completion in previous English class

Recommended: B or higher in their previous English class.

Course Description: Students develop and compose the school yearbook and newspaper, after learning basic, intermediate, and advanced concepts of yearbook design: paste-ups, photography, composition, layout, and news writing: headlines, leads, news, features, sports, and editorial writing.

EXPLORING COMPUTER SCIENCE

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: None

Course Description: Exploring Computer Science introduces students to the breadth of the field of computer science through an exploration of engaging and accessible topics. The goal of Exploring Computer Science is to develop in students the computational thinking practices of abstraction, algorithm development, creating artifacts, communicating and collaboration while building skills in specific programming languages and design environments. The course presents computing problems in real-world scenarios, allowing students to deepen their understanding of theoretical concepts while bringing computer science alive through real applications and connections.

Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues.

PRINCIPLES OF COMPUTER SCIENCE

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: Exploring Computer Science or teacher recommendation

Course Description: Computer Science Principles (CSP) is designed to introduce students to the central ideas of computing and computer science (CS), to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing and computer science change the world. The CSP course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of CS. Through both its content and pedagogy, this course aims to appeal to a broad audience.

Support

Course Offerings

ADVISORY

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: Support Team determines placement of students in this class.

Course Description: This course provides support for students who are dependent upon the school hours to complete work, yet do not qualify for special education support services. Instruction is designed to improve a variety of tasks necessary for academic success, including assignment completion and organizational and study skills such as note-taking, test-taking, textbook usage, editing, time management, goal setting, self-monitoring, and communication. Life skills such as attendance, punctuality, general organization, responsibility, attitude, behavior management, and effort will be reinforced. Additional support includes English and math individual and group tutorials as well as academic and social/emotional counseling support.

READING SUPPORT

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: Support Team determines placement of students in this class.

Course Description: Reading Support is an intensive reading intervention program designed to help students make measurable gains in reading achievement. The program consists of nine different workshops using high-interest non-fiction and fiction texts. Each workshop provides instruction in reading skills, vocabulary development, writing and grammar skills. Students are assigned to the course based on a variety of assessments, including the Scholastic Reading Inventory (SRI) and Scholastic Phonics Inventory (SPI) and teacher recommendations.

DIRECTED STUDIES

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: IEP or 504 Team Decision.

Course Description: The Directed Studies class is available only to students with current Individual Education Plans (IEP) or 504 Plans. The class supports students in being successful in their mainstream academic classes. Students may also use the class to work on their IEP goals. Students are required to attend class, be on time, bring necessary materials and work throughout the period. Directed Study classrooms will have copies of academic textbooks so students do not need to bring textbooks. Students are also required to complete six (6) Progress Reports throughout the semester (due dates are posted at the beginning of each semester) and meet with the teacher to review grades.

WORLD LITERATURE 10 (course offering dependent upon enrollment)

Grade Level: 10 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: 10th grade standing

Course Description: World Literature 10 is available only to students with current Individual Education Plans (IEP). World Literature 10 considers common themes in literature and explores how they are represented in seven different world regions. Students read poems, short stories, plays, and novels. Essay styles include: analytical, narrative, persuasive, and response to non-fiction. World Literature 10 also includes as a year-long study of grammar and vocabulary in accordance with common core standards. Novels and plays may include: *Cry the Beloved Country*, *Chronicle of a Death Foretold*, *The Tempest*, *A Midsummer Night's Dream*, *Julius Caesar*, *Lord of the Flies*, *Antigone*, *Night*, *Hiroshima*, *All Quiet on the Western Front*, *Metamorphosis*, *One Day in the Life of Ivan Denisovich*, and *Animal Farm*.

AMERICAN LITERATURE 11 (course offering dependent upon enrollment)

Grade Level: 11 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: 11th grade standing

Course Description: American Literature 11 is available only to students with current Individual Education Plans (IEP). American Literature 11 focuses on a study of the development of the American language and character in literature and the social, philosophical, and historical movements that created them. Students read critical analysis, poems, short stories, plays, and novels. Essay styles include: analytical, argumentative, historical investigation, and research. This course also includes a year-long study of grammar and vocabulary in accordance with common core standards. Novels and plays may include: *Hamlet*, *The Crucible*, *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *The Great Gatsby*, *The Grapes of Wrath*, and *Catcher in the Rye*.

EXPOSITORY READING AND WRITING COURSE 12 (ERWC 12) (course offering dependent upon enrollment)

Grade Level: 12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: 12th grade standing

Course Description: ERWC 12 is available only to students with current Individual Education Plans (IEP). The Expository Reading and Writing Course was developed as part of the CSU system's Early Assessment Program (EAP). The key principles involve the integration of interactive reading and writing processes, a rhetorical approach that fosters critical thinking and engagement through a focus on assessment language, and classroom activities designed to model and foster successful practices of student writers.

LANGUAGE ARTS 9-12

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: IEP

Course Description: Language Arts 9-12 is a class for students with IEPs needing more intensive Reading and Writing instruction and support. The class has additional supports for students including the Read 180 and System 44 programs, which focuses on Reading Fluency, Comprehension, and Word Analysis. The Reading of grade appropriate novels and non-fiction are included, including response to literature. Reading Comprehension is a common area of need for students with IEPs and a major, ongoing focus of the class.

FUNCTIONAL MATH SKILLS 9-12

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: IEP

Course Description: Functional Math Skills 9-12 is a class for students with IEPs that need intensive instruction in basic Math Skills, and the functional Math skills needed in everyday life. The class is based on the needs of the students, some of which will not move on to Math classes leading to a diploma. The Functional Math class is constantly changing to support students in their areas of need. Online Math programs are used that focus on the skill level of each student. Most students work in the Cougar Café, the student run hot and cold drink service for staff and students. Students maintain records of the expenditures and income for the Cougar Café.

VOCATIONAL EDUCATION 9-12

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: IEP

Course Description: Vocational Education 9-12 is a class for students with IEPs in a small group setting that focuses on skills needed to survive in the adult world. Students work in the Cougar Café, which is similar to working in a food service setting. Activities and skills include: making and delivering drinks to staff, taking inventory of supplies, set up and clean up, customer service, money skills, and maintaining financial records for the café. Students compile information to produce a resume, learn job interview skills, and use online sources to research jobs. Students work with the WorkAbility coordinator taking interest inventories and learning about possible careers.

SOCIAL STUDIES 9-12

Grade Level: 9-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: IEP

Course Description: Social Studies 9-12 changes focus from year to year depending on the grade level of the students in class. The class changes from year to year and includes Geography, Map Skills, History, and World Cultures.

Physical Education

Course Offerings

PE COURSE 1

Grade Level: 9 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: None

Course Description: This class focuses on learning an array of dual and individual sports and activities. Students will learn basic principles and concepts of various physical activities and will increase their awareness of psychological and sociological concepts, principles and strategies through these activities. This class is integrated with a health curriculum.

PE COURSE 2

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: None

Course Description: Course 2 is designed to increase the knowledge of high school students as it pertains to lifelong fitness, workout plans and basic knowledge of team activities, and to increase the knowledge of psychological and sociological concepts, principles and strategies through team sports and cooperation.

PE COURSE 2A

Grade Level: 10-12 **Length:** 1 semester or year

UC Requirement Fulfilled: None

Prerequisite: None

Course Description: Course 2A is designed to help athletes reach their athletic potential by presenting them with an extremely challenging course of weightlifting, sprints, plyometrics and CrossFit modalities. Fitness focus is on creating a workout program to maximize an athlete's potential; increasing strength and power; increasing speed through a series of short sprints. Course objectives are to raise the athlete's maxes in the core lifts of back squat, bench press, standing press and power clean; increase speed over 20 yards, 40 yards, 100 meters, 200 meters and 400 meters; lower the athlete's times in the core CrossFit modalities.

SPORTS PE

Grade Level: 10-12 **Length:** 1 semester or 1 year

UC Requirement Fulfilled: None

Prerequisite: B or higher in PE C1, passing the Physical Fitness Test (PFT) and participation in 1 or more school sports.

Course Description: Students focus on learning a variety of ways to keep physically fit during the athlete's "off season" period. The goal of this class is to learn different methods to stay physically active and to apply those strategies in the classroom and during sport training, and to create healthy habits leading to lifelong fitness. A maximum of 20 Sports PE credits can be earned.

Santa Cruz Regional Occupational Program (ROP)

Course Offerings

The Santa Cruz County Regional Occupational Program (ROP) provides students with the opportunity to acquire academic, career and technical skills and to prepare for life-long learning and success in the changing workplace. Courses are available to 10 -12 graders. All ROP courses fulfill the Practical Arts requirement (1 semester for class of 2016-14 and 1 year beginning with the class of 2017). Many courses also fulfill UC a-g requirements which meet CSU and UC admissions eligibility. For additional information about Santa Cruz ROP, please visit <http://www.rop.santacruz.k12.ca.us/>

CONSTRUCTION TECHNOLOGY

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: None

Prerequisite: None

Course Description: This course is an introduction to the building trades and the construction industry. In this yearlong course we will cover safety, power tool use, hand tool use, basic carpentry skills, hand drafting techniques, residential framing, and possibly welding if time permits. All of the topics covered in class will have a practical or hands- on component. There will be individual projects as well as group or partner projects. Class projects include building the following: toolbox, redwood bench, shed or greenhouse, classroom table, personal choice (end of the year). Each student will also turn in a career portfolio assignment in May which shows their best work and also includes a resume, cover letter and career search.

AQUACULTURE (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: g

Prerequisite: None

Course Description: See Science

ENGINEERING DESIGN (CONSTRUCTION TECH 2) (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion of Math 1; concurrent enrollment in Math 2.

Course Description: See Science

GREEN ENGINEERING (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: d

Prerequisite: Successful completion of Math 1; concurrent enrollment in Math 2.

Course Description: See Science

GRAPHIC DESIGN 1 (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f or g

Prerequisite: None

Course Description: See Visual and Performing Arts

GRAPHIC DESIGN 2 (ROP) (not offered 2014-2015)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f or g

Prerequisite: Successful completion of Graphic Design 1

Course Description: See Visual and Performing Arts

VIDEO PRODUCTIONS (ROP)

Grade Level: 10-12 **Length:** 1 year

UC Requirement Fulfilled: f or g

Prerequisite: None

Course Description: See Visual and Performing Arts