



Scotts Valley High School
An International Baccalaureate School

Course Catalog

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SVHS Mission Statement

SVHS is dedicated to educating students to be critical thinkers who practice personal integrity and mutual respect, demonstrate cultural awareness and participate responsibly in local and global communities.

Expected School-Wide Learning Results

Demonstrate cultural awareness and sensitivity to local and global diversities

- By understanding and appreciating that diversity contributes to healthy communities.
- By exploring other cultures and perspectives through curricular and extracurricular activities.
- By recognizing the value of contributions made over time by different cultures.

Realize role in society through positive contributions to community

- By contributing time and effort to serve the school and the local community.
- By demonstrating subject-specific knowledge and experience within the community.

Exercise effective communication

- By working effectively and collaboratively with other members of a team or group to achieve identified goals.
- By learning styles of critique that are constructive and allow for feedback.
- By expressing themselves clearly in all subject areas.

Apply knowledge and think critically

- By applying acquired knowledge, skills, and tools to process new information in a variety of contexts.
- By approaching a task and devising a plan to complete it.

Model a high level of integrity and compassion

- By presenting authentic work.
- By abiding by a high level of ethical conduct, established by school and teacher policies.
- By participating in NCBI sensitivity trainings and performing community service.

.....**DREAM**

The International Baccalaureate Diploma Program

The International Baccalaureate Organization's Diploma Program is a demanding pre-university course of study that can provide university credit for students who earn passing scores on the end-of-course exams. The program was initially developed to establish a common curriculum and university entry credential for students moving from one country to another. Today, the IB curriculum is taught in over 1,400 secondary schools internationally, over 550 of which are in the United States.

Scotts Valley High School has been an International Baccalaureate school since its inception. **Currently, 85% of SVHS students begin taking IB courses in their junior year**, choosing to earn certificates in the advanced classes of their choosing, or electing to earn Full IB Diplomas. IB Diploma students follow a rigorous, prescribed curriculum during their junior and senior years: completing intensive exams in each subject area, finishing a Theory of Knowledge course, writing an independently researched Extended Essay, and completing at least 150 hours of Creativity, Action and Service learning. Each course requires both internal and external assessments, and student work is evaluated by IB examiners worldwide, led by chief examiners with international authority in their fields.

Full IB Diploma students study both the humanities and the sciences. Classes are designated as "higher level" (HL) and "standard level" (SL) courses. HL courses are two-year courses and include a minimum of 240 teaching hours, while SL courses have a minimum of 150 hours of instruction. Diploma students must choose at least three HL and at least two SL courses. **Areas of study include English, World Languages, History, Psychology, Life Sciences, Physical Sciences, Mathematics, Theatre Arts, and Visual Arts.**



Subject Areas

English

English 1 (year, 10 credits)

Required Grade 9 English course.

Prerequisites: None.

Fulfills: SVHS English. UC/CSU approved with grade of C or higher.

English 1 introduces students to critical analysis of literature through learning activities that include writing, verbal responses and projects. Standard grammar, punctuation, and spelling usage are emphasized. Students study 20th century literature, along with Shakespeare's "Romeo and Juliet." The course curriculum and assessments, of both verbal and written components, are developed in accordance with the California State Language Arts Standards.

English 2 (year, 10 credits)

Required Grade 10 English course.

Prerequisites: Recommended to have a passing grade in English 1.

Fulfills: SVHS English. UC/CSU approved with grade of C or higher.

English 2 continues the critical analysis of world literature introduced in English 1. This college preparatory course introduces students to a variety of literature from across time, cultures, and genres. Students develop skills in analysis, interpretation and research. Standard grammar, punctuation and spelling usage are emphasized. All coursework is developed in accordance with the California State Language Arts Standards.

Honors English 2 (year, 10 credits)

Required Grade 10 English course.

Prerequisites: Successful completion of English 1 with a grade of B or higher.

Fulfills: SVHS English. UC/CSU approved with grade of C or higher.

Honors English 2 exposes students to a variety of literature from across time, cultures, and genres. Through careful reading, students develop skills in analysis and interpretation, with a sharp, critical focus on author intention, use of literary devices, and developing original, critical claims. Students use college-level literary vocabulary when analyzing and writing about a piece of literature, and develop structured and focused writing skills. In addition, students learn to write in their own voice based upon their personal responses within the literature. Students enhance meaningful discussions using their own analysis and interpretation within the scope of the Socratic Method. Oral interpretation is a key component of this class, specifically consisting of group projects, presentations, and a formal speech. Students must not only reflect upon the quality of their work in its final product, but also reflect upon the process. This course not only meets California State Standards in English Language Arts, but it is also introduces the sophisticated analytical writing, reading, speaking, and listening skills necessary for the IB World Literature course taught in the junior and senior years.

English 3 (year, 10 credits)

Required Grade 11 English course for students not in IB English.

Prerequisites: Recommended to have a passing grade in English 2.

Fulfills: SVHS English. UC/CSU approved with grade of C or higher.

English 3 is a college preparatory course that continues the development of the full range of English skills: reading, writing, speaking, and listening. It examines the scope of American literature in its historical context, from early Puritan writing to modern American fiction. The development of critical thinking skills is central to the coursework and complements the writing expectations. Writing requirements emphasize literary analysis essays and students progress from specific to analytical thinking in their writing. Personal and reflective writing assignments are also included. Standard grammar, punctuation, spelling and usage are emphasized. Course assessments include objective tests, essays, group projects and a personal project. All coursework is developed in accordance with the California State Language Arts Standards.

English 4 (year, 10 credits)

Required Grade 12 English course for students not in IB English.

Prerequisites: Recommended to have a passing grade in English 3.

Fulfills: SVHS English. UC/CSU approved with grade of C or higher.

English 4 is a college preparatory course that continues the development of the full range of English: reading, writing, speaking and listening. The course includes the study of short stories, poetry, drama, novels, writing for college, and film as literature. Writing and analyzing literature is the main emphasis of this course. Writing assignments include literary analysis, reflection, creative writing, and a Senior Portfolio project. Grammar and vocabulary are studied in the context of improving writing skills. All coursework is developed in accordance with the California State Language Arts Standards.

IB English HL 1 (year, 10 credits)

Grade 11, first year of two-year English course. SVHS and US/CSU Honors Status.

Prerequisites: Recommended to have a B or higher in English 2 and teacher recommendation.

Fulfills: SVHS English. IBO Group 1 Subject. UC/CSU approved with grade of C or higher.

This advanced literature and composition course is the first year of a two-year course that develops the student's ability to respond to a range of complex works in an in-depth and articulate manner. IB English uses a rigorous curriculum of American and world literature designed for the college preparatory student seeking academic challenges. The curriculum emphasizes in-depth literary analysis. Oral commentary and collaborative and other presentations are key components of this course. Instructional strategies include cooperative learning, lectures and other direct instruction, guided practice, and independent learning. This course meets both California State Standards and the Language A curricular framework for the International Baccalaureate Diploma Program.

IB English HL 2 (year, 10 credits)

Grade 12, second year of two-year English course. SVHS and US/CSU Honors Status.

Prerequisites: Successful completion of IB English HL 1.

Fulfills: SVHS English. IBO Group 1 Subject. UC/CSU approved with grade of C or higher.

This advanced literature and composition course is the second year of a two-year course that develops the student's ability to respond to a range of complex works in an in-depth and articulate manner. IB English uses a rigorous curriculum of American and world literature designed for the college preparatory student seeking academic challenges. The curriculum emphasizes in-depth literary analysis. Oral commentary, and collaborative and other presentations are key components of this course. Instructional strategies include cooperative learning, lectures and other direct instruction, guided practice, and independent learning. This course meets both California State Standards and the Language A curricular framework for the International Baccalaureate Diploma Program.

Sciences

Integrated Science (year, 10 credits)

Entry-level science course.

Prerequisites: Recommended to have concurrent enrollment in Algebra 1A /1B or Algebra 1.

Fulfills: SVHS Life Science or Physical Science. Does not meet UC/CSU course requirements.

Integrated Science covers biology, chemistry, and physics to help students understand the natural environment and today's environmental issues. Students study a wide range of topics including ecology, conservation, resource exploitation, pollution, atmospheric science, and the challenges of an expanding human population. Field work is an integral part of the class, as the local area offers a wide array of opportunities to explore natural ecosystems and those put under stress from a myriad of sources.

Life Science

Biology (year, 10 credits)

Entry-level science course.

Prerequisites: Recommended to have concurrent enrollment in Algebra 1A /1B or Algebra 1.

Fulfills: SVHS Life Science. UC/CSU approved with grade of C or higher.

Biology is a college preparatory lab science class devoted to the study of living things. Major themes covered in the course include the interrelationship of living organisms and their environments, structure and function relationships, the use of energy by living things, systems, and interactions and change over time. Units include chemistry of life, cell structure and function, genetics, evolution, ecology, and organism biology. Problem-solving, communication, collaboration and critical-thinking skills are used throughout the course.

Honors Biology 2 (year, 10 credits)

Grade 11 or 12 science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Completion of Biology and Chemistry with grade of B or higher.

Fulfills: IBO Group 4 Subject. SVHS Life Science. UC/CSU approved with grade of C or higher.

Next Course: IB Biology SL

Honors Biology 2 is the first year of a two-year sequence leading to IB Biology SL and is considered an IB course. This course emphasizes the experimental nature of science and the scientific method. Students cover biochemistry, cell physiology, metabolic processes such as respiration and photosynthesis, molecular biology, genetics, and evolution. Global and ethical issues related to the impact of human activity on the environment and scientific advances are examined and discussed, specifically the role of biotechnology in a modern society. Students conduct experiments, learn lab techniques, organize and analyze data, and draw conclusions based on observations and data. (The curriculum is similar to IB Biology HL 1, but is less rigorous, covers fewer concepts, and requires fewer lab hours.)

IB Biology SL (year, 10 credits)

Grade 12 science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Honors Biology 2.

Fulfills: IBO Group 4 Subject. SVHS Life Science. UC/CSU approved with grade of C or higher.

IB Biology SL is the second year of a two-year sequence. This Standard Level IB Biology course emphasizes the experimental nature of science and the scientific method. Students study the anatomy and physiology of the human body with an emphasis on homeostasis and the interdependence of systems. This course also covers the anatomy and

physiology of plants and the complex dynamics of ecosystems. Specific emphasis is placed on the global and ethical issues related to the impact of human activity on the environment. Scientific advances in medicine are also examined and discussed. Students conduct experiments and learn various lab techniques. Students conduct experiments, learn lab techniques, organize and analyze data, and draw conclusions based on observations and data. Students take the IB exam in the spring.

IB Biology HL 1 (year, 10 credits)

Grade 11, first year of a two-year science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Biology and Chemistry with A's or B's.

Fulfills: IBO Group 4 Subject. SVHS Life Science. UC/CSU approved with grade of C or higher.

Next Course: IB Biology HL 2

IB Biology Higher Level 1 is the first year of a two-year course. This course emphasizes the experimental nature of science and the scientific method. Students study biochemistry, cellular physiology, metabolic processes such as respiration and photosynthesis, molecular biology, genetics, and evolution. Global and ethical issues related to the impact of human activity on the environment and scientific advances are examined and discussed. Students conduct experiments, learn lab techniques, organize and analyze data, and draw conclusions based on observations and data. (The curriculum is similar to Honors Biology 2, but is a more rigorous course of study, requires mastery of more concepts, and includes more lab hours.)

IB Biology HL 2 (year, 10 credits)

Grade 12, second year of a two-year science course. SVHS and US/CSU Honors Status.

Prerequisites: Successful completion of IB Biology HL 1.

Fulfills: IBO Group 4 Subject. SVHS Life Science. UC/CSU approved with grade of C or higher.

IB Biology Higher Level 2 is the second year of a two-year course. This course emphasizes the experimental nature of science and the scientific method. Students study the anatomy and physiology of the human body with an emphasis on homeostasis and the interdependence of systems. The anatomy and physiology of plants and the complex dynamics of ecosystems are also covered. Specific emphasis is placed on the global and ethical issues related to the impact of human activity on the environment. Scientific advances in medicine are also examined and discussed. Students conduct experiments and learn various lab techniques. Students conduct experiments, learn lab techniques, organize and analyze data, and draw conclusions based on observations and data. Students take the IB exam in the spring.

Physical Sciences

Chemistry (year, 10 credits)

Entry-level science course.

Prerequisites: Completion of Biology and Algebra with grade of B or higher.

Fulfills: SVHS Physical Science. UC/CSU approved with grade of C or higher.

The course examines the role of chemistry as the cornerstone on which modern science is built. The theoretical aspects of the course are both highly conceptual and qualitative. The historical development of the periodic table and atomic theory are explored in detail. Mass relationships among elements and compounds and physical properties of materials are examined as ways of testing chemical bonding theories. Chemical reactions and stoichiometry form a major component of the course. Gas and solution chemistry is studied in detail as well as the concepts of acids, bases, and neutralization. Laboratories are a fundamental aspect of the course. Demonstrations and experiments are used to enhance virtually all areas of study. Students perform labs both as individuals and with an assigned lab group.

IB Chemistry HL 1 (year, 10 credits)

Grade 11, first year of a two-year science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Biology and Chemistry with grade B or higher.

Fulfills: IBO Group 4 Subject. SVHS Physical Science. UC/CSU approved with grade of C or higher.

Chemistry is an experimental laboratory science that combines academic study and the acquisition of practical and investigational skills. Chemical principles underpin both the physical environment in which we live and all biological systems (including ourselves.) This course is a prerequisite for the pursuit of medicine, biological science, and physical science in higher education in addition to other fields of study.

IB Chemistry HL 2 (year, 10 credits)

Grade 12, second year of a two-year science course. SVHS and US/CSU Honors Status.

Prerequisites: Successful completion of IB Chemistry HL 1.

Fulfills: IBO Group 4 Subject. SVHS Physical Science. UC/CSU approved with grade of C or higher.

Chemistry is an experimental laboratory science that combines academic study and the acquisition of practical and investigational skills. Chemical principles underpin both the physical environment in which we live and all biological systems (including ourselves.) This course is a prerequisite for the pursuit of medicine, biological science, and physical science in higher education in addition to other fields of study.

Honors Chemistry 2 (year, 10 credits)

Grade 11, first year of a two-year science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Biology and Chemistry with grade of B or higher.

Fulfills: IBO Group 4 Subject. SVHS Physical Science. UC/CSU approved with grade of C or higher.

Honors Chemistry 2 is the first year of a two-year sequence leading to IB Chemistry SL. Chemistry is an experimental laboratory science that combines academic study and the acquisition of practical and investigational skills. Chemical principles underpin both the physical environment in which we live and all biological systems (including ourselves.) Chemistry is a prerequisite for the pursuit of medicine, biological science and physical science in higher education in addition to other fields of study.

IB Chemistry SL (year, 10 credits)

Grade 12, second year of a two-year science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Honors Chemistry 2 with grade of B or higher.

Fulfills: IBO Group 4 Subject. SVHS Physical Science. UC/CSU approved with grade of C or higher.

IB Chemistry SL is the second year of a two-year sequence preceded by Honors Chemistry 2. Chemistry is an experimental laboratory science that combines academic study and the acquisition of practical and investigational skills. Chemical principles underpin both the physical environment in which we live and all biological systems (including ourselves.) Chemistry is a prerequisite for the pursuit of medicine, biological science and physical science in higher education in addition to other fields of study.

Conceptual Physics (year, 10 credits)

Grades 10-12, entry-level science course.

Prerequisite: Completion of Biology and Algebra with grade of B or higher.

Fulfills: SVHS Physical Science. UC/CSU approved with grade of C or higher.

In Conceptual Physics students learn essential concepts of physics through discussion, demonstrations, laboratory work and projects. Careful gathering and analysis of quantitative data is stressed to increase skill in the making of observations, in the acquisition, graphing, and interpretation of data and in measurement in general. In addition to conceptual physics, course curriculum includes an emphasis on technology and the design cycle as well as overviews of matter and astronomy.

Honors Physics 2 (year, 10 credits)

Grade 11 science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Biology and Chemistry with grade of B or higher.

Completion of Conceptual Physics is helpful.

Fulfills: IBO Group 4 Subject. SVHS Physical Science. UC/CSU approved with grade of C or higher.

Honors Physics 2 is the first year of a two-year sequence leading to IB Physics SL. This course involves an in-depth study of thermo dynamics, Newtonian Mechanics, optics and magnetism, movement in multiple dimensions, fluid dynamics, nuclear physics and quantum mechanics and will involve a technology design study related to physics. There will be a minimum of one major experimental laboratory activity per unit of study. In addition, students will conduct an individual, self-designed research project that investigates one or more major topics in physics as it relates to human endeavors.

IB Physics SL (year, 10 credits)

Grade 12 science course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Honors Physics 2 with grade of B or higher.

Fulfills: IBO Group 4 Subject. SVHS Physical Science. UC/CSU approved with grade of C or higher.

IB Physics SL is the second year of a two-year sequence preceded by Honors Physics 2. This course involves an in-depth study of thermo dynamics, Newtonian Mechanics, optics and magnetism, movement in multiple dimensions, fluid dynamics, nuclear physics and quantum mechanics and will involve a technology design study related to physics. There will be a minimum of one major experimental laboratory activity per unit of study. In addition, students will conduct an individual, self-designed research project that investigates one or more major topics in physics as it relates to human endeavors.

Mathematics

Pre-Algebra (year, 10 credits)

Entry-level math course.

Prerequisites: None.

Fulfills: SVHS Mathematics. Does not meet UC/CSU course requirements.

Next course: Algebra 1A or Algebra 1.

Pre-Algebra is for students who need to further develop their arithmetic, mathematical notation and operation and problem-solving strategies before taking their first year of elementary algebra (Algebra 1A or Algebra 1). The course emphasizes use of hands-on activities and manipulatives to help students better understand the topics covered in the textbook. Course topics include working with number theory, operations using integers; ratios, proportion, and percents; solving equations, linear functions and graphing two-variable equalities and inequalities.

Algebra 1A (year, 10 credits)

Grades 9 or 10, first year of two-year math sequence.

Prerequisites: Successful completion of Pre-Algebra or equivalent.

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

Next course: Algebra 1B.

Algebra 1A is the first year of a two-year elementary algebra curriculum. This class is designed for students who require extra time to master the 25 California State Standards that are addressed in the course. First semester topics include simplifying algebraic expressions, identifying, writing and graphing patterns and functions and solving simple equations. Second semester topics include solving and graphing first-degree (linear) equations and inequalities in one and two variables and solving and graphing systems of equalities and inequalities.

Algebra 1 (year, 10 credits)

Grades 9 or 10 math course.

Prerequisites: Pre-Algebra or equivalent (grade of C or higher recommended).

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

Next course: Geometry.

Algebra I is for students with a strong background in pre-high school mathematics, including Pre-Algebra. This course is preparation for their next two high school math courses: Geometry and Algebra 2. By the end of the course, students will have completed a study of the 25 California Algebra I State Standards that are required to assure success on the current high school exit exam. First semester topics include simplifying algebraic expressions; identifying, writing, and graphing patterns and functions; solving and graphing first-degree (linear) equations and inequalities in one and two variables; and solving and graphing systems of equalities and inequalities. Second semester includes work with quadratic functions and equations, exponential functions and expressions, radical expressions and equations, polynomials, and rational expressions and equations.

Geometry (year, 10 credits)

Grades 9-12 math course.

Prerequisites: Successful completion of Algebra I, Algebra 1B or equivalent (grade of C or higher recommended).

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

Next course: Algebra 2.

This core course includes the study of the physical nature of mathematical systems with an emphasis on the basic structure of geometry. Properties of points, lines and planes are studied with attention to perpendiculars, parallels and transformations. Methods of proving triangles congruent are studied with their application to segments, angles, quadrilaterals and inequalities. Ratio and proportion are reviewed and applied to the study of similar polygons. The

course includes the study of the Pythagorean Theorem and its application to special right triangles. Trigonometric functions are introduced. Properties of circles and their related lines and points, the areas of polygons and circles and surface areas and volumes of solids are also explored.

Algebra 2 (year, 10 credits)

Grades 9-12 math course.

Prerequisites: Successful completion of Geometry (grade of C or higher recommended).

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

The concepts and methods covered in Algebra 2 form the mathematical foundation that is essential for virtually every later high school and college math course (Precalculus and beyond). Essential for success in this course is a working knowledge of Algebra I skills and concepts. Therefore, students who performed marginally in Algebra I (a grade of C or less) or who lack confidence in their algebra skills should complete a review of Algebra I during the summer prior to beginning Algebra 2. Topics include first and second degree (linear and quadratic) functions, matrices, systems of equations (introduction to linear algebra), sequences and series, combinations, probability, statistics, powers, inverses, radicals, exponential functions, logarithms and polynomials.

Honors Algebra 2 (year, 10 credits)

Grades 9-12 math course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Geometry with grade of B or higher.

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

Honors Algebra 2 is specifically designed for incoming 9th grade students who would like to challenge themselves with the two-year IB Mathematics HL course during Grades 11 and 12. This course covers all topics covered in the regular Algebra 2 course, including first and second degree (linear and quadratic) functions, matrices, systems of equations (with an introduction to linear algebra), sequences and series, combinations, probability and statistics, powers, inverses, radicals, exponential functions, logarithms and polynomials. In addition, it includes introductory units covering vectors, complex numbers and set theory, along with a first exposure to mathematical investigations and modeling, the two major components of a required IB Mathematics portfolio.

Precalculus (year, 10 credits)

Grades 9-12 math course.

Prerequisites: Successful completion of Geometry (grade of B or higher recommended).

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

Pre-calculus prepares students for IB Mathematics SL or their first calculus course. This course integrates and further develops the major math strands of algebra, geometry, and trigonometry. It includes an extended study of elementary algebraic and transcendental functions; circle and triangle trigonometry; two- and three-dimensional vectors; matrices & determinants; polar coordinates; sequences and series; and an introduction to the calculus concepts of limits and derivatives.

Honors Precalculus (year, 10 credits)

Grades 9-12 math course, tailored to 10th graders entering IB Math HL sequence in 11th grade.

Prerequisites: Successful completion of Algebra 2 (grade of B or higher recommended).

Fulfills: SVHS Mathematics. UC/CSU approved with grade of C or higher.

Honors Precalculus prepares students for entry into the two-year IB Mathematics HL program in grades 11 and 12. This course further develops and integrates the major math strands of algebra, geometry, and trigonometry. It includes advanced units of study in elementary algebraic and transcendental functions; circle and triangle trigonometry; statistics & probability; two- and three-dimensional vectors; matrices, determinants & fractals; polar coordinates & complex numbers; sequences and series; and an introduction to the calculus concepts of limits and derivatives. In

addition, the initial exposure in Honors Algebra 2 to mathematical investigations and modeling, the two major components of a required IB Mathematics portfolio, will be further developed.

IB Math SL (year, 10 credits)

Grades 11 and 12 math course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Algebra 2.

Fulfills: IBO Group 5 Subject. SVHS Mathematics. UC/CSU approved with grade of C or higher.

IB Math Studies is the first year of a two-year curriculum; the second year is Statistics and Research. IB Mathematics SL is designed for students who plan on pursuing careers that require a strong background in mathematics, including the sciences & technology, economics, and business administration. This course also prepares students who want to take the IB Mathematics SL examination at the end of the course. First semester topics include a review of algebraic & transcendental functions; circle & triangle trigonometry; vectors; matrices & determinants; sequences & series; and an introduction to limits & derivatives. During the second semester, students continue their study of introductory college calculus (limits, continuity, derivatives & differentials, and definite & indefinite integrals) along with an introduction to statistics. The students utilize a variety of methods (including graphing calculator and computer technology) to develop a multi-dimensional appreciation & understanding of important mathematical concepts and their real-world application. Over the course of the year, each student completes a portfolio of work to demonstrate proficiency in teacher-selected areas of the curriculum.

Statistics & Research Methods (year, 10 credits)

Grades 11 and 12 math course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Pre-Calculus.

Fulfills: IBO Group 5 Subject. SVHS Mathematics. UC/CSU approved with grade of C or higher.

Statistics & Research is for 11th and 12th grade students who plan to enroll in college majors that do not require rigorous math backgrounds. (In particular, this course prepares students for college majors that are research-intensive.) The first semester of Statistics & Research Methods is a continuation and completion of the study of IB Math Studies topics culminating in an independent research project designed by each student in a field of their choice. During the second semester, the emphasis turns to preparing each student for the IB Math Studies SL examination.

IB Math HL 1 (year, 10 credits)

Grade 11, first year of a two-year math course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Precalculus in Grade 10.

Fulfills: IBO Group 5 Subject. SVHS Mathematics. UC/CSU approved with grade of C or higher.

IB Mathematics HL is a rigorous two-year course recommended to students who plan on pursuing careers that include mathematics as a major component of their university & college studies. (Majors in pure mathematics, physics, engineering and technology are good examples.) This course also prepares students who want to take the IB Mathematics HL examination at the end of Grade 12. Topics during the first year include the study of algebraic & transcendental functions, circle & triangle trigonometry, vectors, matrices, sequences & series, inductive reasoning & formal proof and an introduction to limits & derivatives. Over the course of the two years of study, each student completes a portfolio of work to demonstrate proficiency in a variety of select topics.

IB Math HL 2 (year, 10 credits)

Grade 12, second year of a two-year math course. SVHS and US/CSU Honors Status.

Prerequisites: Successful completion of IB Math Studies HL 1.

Fulfills: IBO Group 5 Subject. SVHS Mathematics. UC/CSU approved with grade of C or higher.

IB Mathematics HL is a rigorous two-year course recommended to students who plan on pursuing careers that include mathematics as a major component of their university & college studies. (Majors in pure mathematics, physics, engineering and technology are good examples.) This course also prepares students who want to take the IB Mathematics HL examination at the end of Grade 12. Topics during the second year include an introduction to calculus (limits, continuity, derivatives & differentials and definite & indefinite integrals) and elementary college-level statistics. Students use a variety of techniques (including calculator and computer-based experiments) to explore and develop a deep understanding of important mathematical concepts and their real-world applications. Over the course of the two years of study, each student completes a portfolio of work to demonstrate proficiency in a variety of select topics.

Physical & Health Education

PE 9 (year, 10 credits)

Grade 9 physical education course.

Prerequisites: None.

Fulfills: SVHS Physical Education. Does not meet UC/CSU elective course requirements.

PE 9 includes individual sports, dual sports and fitness-based activities. Students will be empowered to make choices, meet challenges and develop positive behaviors in fitness, wellness and movement activity. This program utilizes the Pyramid Pathway method of giving individual students the necessary knowledge and skills to become active for life.

PE 10-12, Aerobics, Dance, & Fitness (year, 10 credits)

Grades 10-12 physical education course.

Prerequisites: None.

Fulfills: SVHS Physical Education. Does not meet UC/CSU elective course requirements.

PE 10 - 12, Aerobics, Dance, & Fitness is for students who want to get fit by doing physical activities like dance, yoga, Pilates, Zumba, overall body conditioning, flexibility exercises, resistance exercises, movement skills using stability balls, power walking, and circuit training. Students benefit from strengthened and toned muscles, improved cardiovascular strength, greater flexibility, reduced stress, and an overall healthier mind and body. Participants engage in dance as a way to get fit, dance combination exercises, and group choreography and performance. Students also develop a personalized fitness program for a healthy lifestyle.

Students are expected to dress and participate on a daily basis. Grades are based on daily participation, fitness assessments, knowledge of skills learned, attitude and effort. No previous dance experience required.

PE 10-12, Biomechanics (year, 10 credits)

Grades 10-12 physical education course.

Prerequisites: None.

Fulfills: SVHS Physical Education. Does not meet UC/CSU elective course requirements.

PE 10-12, Biomechanics provides a foundation of knowledge in basic anatomy, physiology, and kinesiology through resistance and weight training—life in motion. Students work to increase their balance and motor muscle control through self-defense activities such as wrestling, games requiring hand-to-hand contact, and muscle manipulation. With guidance from the instructor, each student establishes an individualized fitness goal and a plan to reach that goal. Students keep daily logs, analyze results, and modify their plans as necessary.

PE 10-12, Non-Traditional Sports and Games (year, 10 credits)

Grades 10-12 physical education course.

Prerequisites: None.

Fulfills: SVHS Physical Education. Does not meet UC/CSU elective course requirements.

PE 10-12, Non-Traditional Sports and Games presents an array of activities not traditionally played in high school PE. Students enjoy a diverse range of fun and challenging activities in order to become life-long learners and participants in physical activity. Units covered include Rugby, Sacrosse, Field Hockey, Speedminton, Ladderball, Takraw, Hiking, Bocce Ball, Powerball, Horseshoes, and modified Dodgeball. For their final assessment, each student develops a new game complete with rules and a practical demonstration played by the entire class.

Health (semester, 5 credits)

Grade 9 health course.

Prerequisites: None.

Fulfills: SVHS Health Education. Does not meet UC/CSU course requirements.

Health Education is usually taken in Grade 9. This course focuses on all aspects of mental, emotional, social and physical health. Students will become aware of the consequences of their decisions so that they will make choices that result in a healthy and positive lifestyle. Topics include goal setting, self-esteem and mental illness; alcohol, tobacco and other drugs; growth and development, including pregnancy prevention and STDs; nutrition and fitness; injury prevention and safety.

Humanities

World Studies 1 (semester, 5 credits)

Grade 9 course.

Prerequisites: None.

Fulfills: SVHS Humanities. UC/CSU approved with grade of C or higher.

World Studies 1 focuses on the Middle East and Africa, introducing concepts such as culture, imperialism, and nationalism, challenging students to relate geographical knowledge to contemporary global issues. The course reinforces the importance of understanding history through inquiry, evidence, cause and effect, and perspective. There is a strong emphasis on developing critical thinking habits and becoming skilled writers and critical readers. Students build on skills in research, cooperative learning, and communication. The course acts as an important bridge to World Studies II or Honors World Studies and provides the opportunity for individuals to build a global awareness. This course is designed to meet California State Standards.

World Studies 2 (year, 10 credits)

Grade 10 course.

Prerequisites: Recommended to have successful completion of World Studies 1.

Fulfills: SVHS Humanities. UC/CSU approved with grade of C or higher.

World Studies 2 comprises the second year of global studies. This course builds on the skills and knowledge developed during World Studies 1. Through examination we will trace various social political and economic threads that have shaped the modern world following the state standards from the Enlightenment to the end of Cold War. During the course of study, we will engage in frequent class discussions, lecture, film analysis, and cooperative learning projects, independent assignments and major projects. Students will also compare historical events with current events. This course is designed to meet California State Standards.

Honors World Studies 2 (year, 10 credits)

Grade 10 course.

Prerequisites: Successful completion of World Studies 1 with a grade of B or higher.

Fulfills: SVHS Humanities. UC/CSU approved with grade of C or higher.

Honors World Studies 2 is an advanced-level course that prepares students for the 11th and 12th grade IB History of the Americas course, and the workload is similar to an IB course in both depth and breadth of subject matter. This course builds on the concepts, theories and information developed during World Studies 1. Knowledge and application of the research process are emphasized through a variety of synthesizing and analytical activities. Emphasis is placed on critical and evaluative thinking, essay writing, and evaluation of historical documents and sources. This course helps students develop an understanding of current world issues and their relationship to historical, geographic, economic, and cultural context in world history from late 18th century to the present.

U.S. History (year, 10 credits)

Grade 11 course, required for students not taking IB History of the Americas.

Prerequisites: None.

Fulfills: SVHS Humanities. UC/CSU approved with grade of C or higher.

This course is designed to explore and analyze the history of the United States with a primary emphasis on the twentieth century. It includes study of the basic geography of the United States and its significance to the history of the country. The course considers historical periods in a thematic approach, focusing on the underlying themes such as American political history, social movements, immigration, and geography with particular emphasis on the impact of these on the daily life of everyday citizens.

IB History of the Americas HL 1 (year, 10 credits)

Grade 11, first year of a two-year course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Recommended to have a B or higher in World Studies 2 and teacher recommendation.

Fulfills: SVHS Humanities. IBO Group 3 Subject. UC/CSU approved with grade of C or higher.

IB History of the Americas HL is a comparative study of North and South America, from colonization through 1995. Students focus on the key political, social, and cultural events and themes that have had an impact on the Americas. Units in the first year include, colonial rule: the American Civil War and Reconstruction, and cultural, intellectual, political, economic, and social developments from the mid-19th century to 1919. Students will study in college-level textbooks and develop skills in critical analysis and historiography.

IB History of the Americas HL 2 (year, 10 credits)

Grade 12, second year of a two-year course. SVHS and US/CSU Honors Status.

Prerequisites: IB History of the Americas 1.

Fulfills: SVHS Humanities. IBO Group 3 Subject. UC/CSU approved with grade of C or higher.

IB History of the Americas HL is a comparative study of North and South America, from colonization through 1995. Students focus on the key political, social, and cultural events and themes that have had an impact on the Americas. The second year of the course focuses specifically on the twentieth century looking at key political, social, economic, and cultural events and themes that have had an impact on the Americas. Units in this year of study include, WWI, the Twenties and the Great Depression, the rise of single party states specifically Brazil and Argentina, WWII and the causes, practices, and effects of the war, the Cold War 1945-1960, the Cold War 1960-1979, the Civil Rights Movement, and the rise of Castro and communism in Cuba.

Economics (semester, 5 credits)

Grade 12 course.

Prerequisites: None.

Fulfills: SVHS Humanities. UC/CSU approved elective with grade of C or higher.

US Economics examines the principles of economic analysis, economic institutions and issues of public policy. Students will examine the US economic system and its key features. During this course students will study personal finance and the importance of establishing good financial habits in their lives. Students will also explore conflicting economic systems and compare different economic systems. During the course students will be expected to complete an individual project that simulates real-life economic decisions such as choosing a career, buying/renting/ a house, applying for credit cards and managing personal finances.

U.S. Government (semester, 5 credits)

Grade 12 course.

Prerequisites: None.

Fulfills: SVHS Humanities. UC/CSU approved with grade of C or higher.

American Government examines the origin, development, structure and operations of all levels of government in the United States. This course will study the primary institutions of government on all levels. Students will specifically look at the legislative, executive and judicial branches of government. The class instruction will consist of lectures, group projects, examining important Supreme Court cases, government simulation activities, written work and debate. Emphasis will be placed on developing critical thinking and communication skills including analytical questioning of issues. Students will also gain an understanding of the civic responsibilities in a functioning democratic system.

Visual & Performing Arts

Drama 1 (year, 10 credits)

Entry-level performing arts course.

Prerequisites: None.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU approved with grade of C or higher.

This introductory course provides students with basic knowledge of the many aspects of theater, from history and cultural styles to comedy improvisation and scene work. Students will learn performance skills including acting techniques, pantomime and storytelling, movement and staging and an overview of basic technical arts such as lighting, sound, makeup and costuming. Students will be introduced to playwriting and will read works of published playwrights. The final exam is a performance.

Drama 2 (year, 10 credits)

Grade 10-12 performing arts course.

Prerequisites: Recommended to have successful completion of Drama 1.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU approved elective with grade of C or higher.

Drama 2 provides students with a more in-depth knowledge of theater history and cultural styles. This course incorporates more advanced concepts with which to critically assess performance. Theory is introduced, as well as an introduction to famous figures in the theater, such as Stanislavski, Shakespeare and Chikumatsu. Commedia del Arte, Kabuki and Noh Theatre and Method acting are explored. The class will participate in a learning unit on stand-up comedy. More specific study of aspects of play production are introduced, including training in support positions such as lighting design and stage management. Acting, writing and directing for the camera occurs in the second semester of this yearlong course.

Drama 3 (year, 10 credits)

Grade 11-12 performing arts course.

Prerequisites: Recommended to have successful completion of Drama 2.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU approved with grade of C or higher.

Drama 3 is a theatre production class. The students in this course run the theatre productions on campus, employing students as designers and creators of all elements of theatre production. Students are mentored in directing, stage management, public relations, lighting, sound, costumes, choreography, set design, set painting and other areas of interest expressed in the course of the various productions. The objective of the course is to ensure students become confident independent producers and creators of theatrical productions.

Art 1 (year, 10 credits)

Entry-level visual arts course.

Prerequisites: None.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU approved elective with grade of C or higher.

This introductory course combines projects, collaboration, art history, and critique. Students learn the elements and principals of design through a wide variety of materials and projects. Art history is incorporated into projects and focuses on early time periods such as the ancient Greeks and Romans and continues to the Renaissance and Impressionist periods. Students will be taught fundamentals of drawing and progress with more advanced media. Projects include contour drawing, ceramic pottery and sculpture, intaglio printmaking, acrylic painting, stipple drawing, watercolor, soft sculpture, wire sculpture, and charcoal drawing.

Honors Art 2 (year, 10 credits)

Grade 10-12 visual arts course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Recommended to have successful completion of Art 1 and portfolio.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU approved elective with grade of C or higher.

Next course: IB Visual Arts SL or HL.

Honors Art 2 is a second level foundational course leading to IB Visual Arts SL. This survey course examines the fundamentals of drawing, painting, ceramics, sculpture, printmaking and more. Honors Art 2 is the continued development of the principals and elements of design in exploring new art mediums. Art history will focus on 20th century artists and designers that have changed artistic perception or have broken into new territories of artistic creation and expression. Students will learn to develop their own style by drawing from cultural, historical and environmental influences. Students will develop an individual theme, which will tie their body of work together.

IB Visual Arts SL (year, 10 credits)

Grades 11 and 12 visual arts course. SVHS and US/CSU Honors Status.

Prerequisites: Recommended to have successful completion of Art 1, Honors Art 2, and portfolio.

Fulfills: IBO Group 6 Subject. SVHS Visual & Performing Arts or Elective. UC/CSU approved elective with grade of C or higher.

IB Visual Arts SL is designed to allow students to develop as artists who work independently using “ideas or concepts” as inspiration to their final pieces. They will already have some understanding of materials and techniques, different artists, and different ways to develop their work. With IB Visual Arts SL you can now explore techniques more thoroughly, improve your skills, and learn how to relate your work to that of other artists and cultures. This deeper understanding of the artistic process will lead to greater self-expression and the creation of a more meaningful intelligent artwork.

IB Visual Arts HL (year, 10 credits)

Prerequisites:

Information: SVHS Honors status; not UC/CSU Honors status.

Fulfills: IBO Group 6 Subject. SVHS Visual & Performing Arts or Elective. Fulfills UC/CSU category G elective course requirement with grade of C or higher.

Graphic Design 1 (year, 10 credits)

Entry-level visual arts course.

Prerequisites: None.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU elective requirement with grade of C or higher.

Graphic Design is a multi-media course combining projects, collaboration, art history and critique. Students learn the elements and principals of design through traditional media then move into working with Adobe Illustrator and Photoshop. A variety of projects using these programs address design, color association, marketplace and visual communication. Projects include cereal box design, cartoon character, CD cover, photo restoration and alteration, package design, typography and marketing a product. Art history of 20th century American art is paired with the rise of technology.

Graphic Design 2 (year, 10 credits)

Grade 10-12 visual arts course.

Prerequisites: Recommended successful completion of Graphic Design 1.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU elective requirement with grade of C or higher.

In Graphic Design 2 students will learn intermediate to advanced Adobe Photoshop and Illustrator skills to create unique and powerful designs. Projects will have a stronger emphasis on elements and principals of design and be influenced by studying graphic design history and contemporary design. Color theory and perception, product marketing and multi-media design will be introduced. Graphic Design 2 students will generate print media for on-campus "clients" such as brochures, flyers and posters. Students will experience how to create a graphic portfolio of work to complete the year.

Chorus (year, 10 credits)

Grades 9-12 performing arts course. Interest and commitment to small and large group performance. May be repeated for credit.

Prerequisites: No prior vocal training or audition is required.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU elective requirement with grade of C or higher.

Chorus is a music course for all levels of vocal training and experience. Proper singing techniques, including breath support and tone production are emphasized. The basic theory of music including rhythmic notation, pitch symbols, sight-reading, ear training and stylistic techniques are stressed. Students will learn and study choral music from various cultures and choral periods, which will be performed at required performances, programs for community organizations and festivals.

Band (year, 10 credits)

Grades 9-12 performing arts course. Interest and commitment to small and large group performance. May be repeated for credit.

Prerequisites: Prefer one year or more of playing experience or teacher recommendation.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU elective requirement with grade of C or higher.

Band is an instrumental music course that introduces the student to classical, jazz and contemporary music genres. Emphasis is placed upon developing tone, technique, reading notation and various music theory concepts. The group will give community performances as well as travel to festivals and recruit. Solo and small ensemble opportunities will be available in a very eclectic music repertoire environment.

World Languages

French 1 (year, 10 credits)

Entry-level language course.

Prerequisites: None.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

French 1 is a course designed to provide students with the fundamentals of spoken and written French as well as an introduction to Francophone cultures. The course focuses on the listening, speaking, reading and writing skills required for communication, with a particular emphasis upon developing oral and written proficiency through a variety of communicative instructional methods. Proper register, grammar, vocabulary and pronunciation are taught through thematic units introducing students to topics such as school, family, daily routines, travel, shopping, sports and the arts. Students participate in role-plays, dialogues, interviews and a variety of communicative exercises geared toward the development of oral and written proficiency. By the end of the year, students will be able to engage in simple conversations and dialogues, ask and answer questions related to a topic of particular interest, write short compositions and letters and understand short readings.

French 2 (year, 10 credits)

Intermediate-level language course.

Prerequisites: Successful completion of French 1 with a grade of C- or higher.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Next course: French 3; or Honors French 3 or IB French SL with completion of French 2 with a grade of C- or higher and teacher recommendation.

French 2 builds on the fundamentals of spoken and written French acquired in French 1. As in French 1, this course focuses on the listening, speaking, reading and writing skills required for communication, with a particular emphasis upon developing oral and written proficiency through a variety of communicative instructional methods. Proper register, grammar, vocabulary and pronunciation are taught through thematic units introducing students to topics such as weather, health, technology, travel, leisure activities and the arts. Grammatical instruction includes the introduction and usage of several new tenses and modes as well as pronouns, prepositions and infinitive structures. French 2 further broadens students' cultural perspectives through additional exposure to Francophone traditions and cultures. Students participate in role-plays, dialogues, interviews, pen pal exchanges and a variety of communicative exercises to further develop oral, aural, reading and writing proficiency. By the end of the year, students will be able to engage in basic conversations and dialogues in the most commonly used tenses, ask and answer questions related to a topic of particular interest, write short compositions and letters and read short articles.

French 3 (year, 10 credits)

Advanced language course.

Prerequisites: Successful completion of French 2 with a grade of C or higher.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Next course: French 4; or IB French SL with successful completion of French 3 with a grade of C or higher and teacher recommendation.

French 3 expands on the linguistic skills acquired in French 2 through a comprehensive study of higher-level grammatical structures and thematic vocabulary development. Instruction is conducted in French. This course further develops the listening, speaking, reading and writing skills acquired in French 2, with a particular emphasis on developing oral and written proficiency through a variety of communicative instructional methods. Proper register, grammar, vocabulary and pronunciation are reinforced through thematic units introducing students to topics such as appreciating cultural diversity, journalism and current events, environmental issues, Francophone literature, sports and the arts. Grammatical instruction includes the comprehensive review of all tenses and modes previously learned as well as the introduction of sophisticated grammatical structures to polish and refine the student's linguistic knowledge. French 3 further broadens students' cultural perspectives through additional exposure to authentic sources of Francophone literature, music, art, traditions and cultures. Students participate in role-plays, dialogues, interviews,

oral presentations and a variety of communicative exercises to further develop oral, aural, reading and writing proficiency. By the end of the year, students will be able to engage in a variety of conversations and dialogues in the most commonly used tenses and modes, ask and answer questions related to topics of general interest, give oral presentations in class, write compositions and letters and read longer literary excerpts.

Honors French 3 (year, 10 credits)

Advanced language course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of French 2 with a grade of C or higher and teacher recommendation.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Next course: French 4; or IB French SL with successful completion of Honors French 3 with a grade of C or higher and teacher recommendation.

Honors French 3A is designed for highly motivated students with two to three years of prior language study who wish to commit to a two year, challenging global course of study of the French language and Francophone cultures. Honors French 3A is geared toward preparing students for college-level language coursework as well as the IB assessments in their fourth year of study. Instruction is conducted in French. Through a comprehensive study of complex grammatical structures and an emphasis on vocabulary enrichment, this course will enhance students' speaking, reading and writing and listening proficiency while reinforcing proper register, style and pronunciation. Students will study thematic units such as appreciating cultural diversity, journalism and current events, environmental issues, Francophone literature, sports and the arts. Grammatical instruction includes the comprehensive review of all tenses and modes previously learned as well as the introduction of more sophisticated grammatical structures to polish and refine the student's linguistic knowledge. Vocabulary enrichment will include the study of idiomatic expressions and cohesive terms. Honors French 3A further broadens students' cultural perspectives through additional exposure to authentic sources of Francophone literature, music, art, traditions and cultures. Students participate in role-plays, dialogues, interviews, oral presentations, pen pal exchanges and a variety of communicative exercises to further develop oral, aural, reading and writing proficiency. By the end of the year, students will be able to engage in a variety of conversations and dialogues in the most commonly used tenses, ask and answer questions related to a topics of general interest, give oral presentations in class, write compositions and letters and read longer literary excerpts. Students will also be familiar with the IB assessments and rubrics in preparation for IB French SL, and will use them to monitor their progress toward those objectives.

French 4 (year, 10 credits)

Advanced language course.

Prerequisites: Successful completion of French 3 with a grade of C or higher.

Fulfills: SVHS World Languages or Elective. UC/CSU approved with grade of C or higher.

French 4 reinforces and expands upon the linguistic skills acquired in French 3, continuing the study of advanced grammatical structures and vocabulary development while promoting further oral and written proficiency through a variety of communicative instructional methods. Instruction is conducted in French. Proper register, grammar, vocabulary and pronunciation are reinforced through thematic units introducing students to topics such as appreciating cultural diversity (eradicating stereotypes), societal and family values (gender equality, feminism), journalism and current events, environmental issues, Francophone literature, sports, music, theater and art. Grammatical instruction focuses on reinforcement of tenses and structures learned to the present as well as sophisticated grammatical structures and vocabulary required for formal writing, literary comprehension and analysis, description, narration, persuasion, and debate. French 4 curriculum is built primarily on authentic sources of Francophone literature and culture, including authentic and adapted literary texts, poems and short stories, news articles of current events, modern and traditional music, theater and art. Students engage in weekly speaking activities, such as role plays, dialogues, interviews, oral presentations and debates, and are engaged in a variety of communicative exercises to further develop oral, aural, reading and writing proficiency. By the end of the year, students will be able to converse on a wide range of topics, give oral presentations in class, write compositions and letters, as well as read and analyze longer literary works.

IB French SL (year, 10 credits)

Advanced language course. SVHS and US/CSU Honors Status.

Prerequisites: Successful completion of French 3 or Honors French 3 with a grade of C or higher and teacher recommendation.

Fulfills: IBO Group 2 Subject. SVHS World Languages or Elective. UC/CSU approved with grade of C or higher.

IB French SL is geared toward preparing students for the IB assessments as well as college-level language coursework. Instruction is conducted in French. Through a comprehensive study of complex grammatical structures and an emphasis on vocabulary enrichment, this course will enhance students' speaking, reading and writing and listening proficiency while reinforcing proper register, style and pronunciation. In accordance with IB objectives, students will further develop their ability to narrate, describe, persuade, debate, analyze and create with the language in written and spoken exercises. Grammatical instruction focuses on mastery of structures previously learned, sophisticated grammatical structures and vocabulary required for formal writing, literary comprehension and analysis, description, narration, persuasion, and debate. IB French SL curriculum is built primarily on authentic sources of Francophone literature and culture, including authentic and adapted literary texts, poems and short stories, news articles of current events, modern and traditional music, theater and art. Students engage in weekly speaking activities (such as role plays, dialogues, interviews, oral presentations, debates), writing activities (such as letters, articles, compositions, journals), as well as advanced reading and listening activities designed to further develop oral, aural, reading and writing proficiency. By the end of the year, students will be able to converse on a wide range of topics, give oral presentations in class, debate and persuade, write compositions, letters, presentations and articles, as well as read and analyze longer literary works.

Spanish 1 (year, 10 credits)

Entry-level language course.

Prerequisites: None.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Spanish 1 is an introductory course. Students will learn the fundamentals of the Spanish language through listening, speaking, reading and writing. Students will accomplish the course goals through constant oral communication, group, paired and individual work, videos and cultural events. By the completion of Spanish 1, students will be able to hold short conversations/dialogues, ask and answer questions and compose short writings with emphasis on basic grammar, spelling and vocabulary.

Spanish 2 (year, 10 credits)

Intermediate-level language course.

Prerequisites: Successful completion of Spanish 1 with a grade of C- or higher.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Next course: Spanish 3; or Honors Spanish 3 or IB Spanish SL with completion of Spanish 2 with a grade of C- or higher and teacher recommendation.

The emphasis of this course is to build upon language skills learned in Spanish 1 by developing student's skills in listening, speaking, reading and writing. Emphasis will be on question and answer oral exercises, as well as conversational dialogue. Reading and writing skills will be developed through the study of vocabulary and grammar. Language focus will be on practical usage through oral activities, which stimulate real-life situations. Students will be exposed to the geographic, ethnic and cultural variety of the Spanish-speaking world. They will learn to develop an appreciation for the connection between language and culture.

Spanish 3 (year, 10 credits)

Advanced language course.

Prerequisites: Successful completion of Spanish 2 with a grade of C or higher.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Next course: Spanish 4; or IB Spanish SL with successful completion of Spanish 3 with a grade of C or higher and teacher recommendation.

This course builds on the knowledge acquired in Spanish 2, focusing further on the application of speaking and listening skills in the classroom, as well as developing reading and writing skills. Question and answer oral exercises, discussions, debates, interviews and group or individual oral presentations will be part of the weekly routine. Instruction will be conducted in Spanish. Reading skills will be broadened to include authentic and adapted literary material, news articles, and poems. Writing skills will be further developed to include compositions, persuasive essays, and letters of varying formality. Refinement of grammar skills will occur throughout the course, along with vocabulary expansion and specialization. Greater familiarity with and awareness of the culture of the Spanish-speaking world will continue to increase through cultural reading, music, and films.

Honors Spanish 3 (year, 10 credits)

Advanced language course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Successful completion of Spanish 2 with a grade of C or higher and teacher recommendation.

Fulfills: SVHS World Languages. UC/CSU approved with grade of C or higher.

Next course: Spanish 4; or IB Spanish SL with successful completion of Honors Spanish 3 with a grade of C or higher and teacher recommendation.

Honors Spanish 3 is designed for highly motivated students with two to three years of prior language study who wish to commit to a two-year, challenging global course of study of the Spanish language and culture. Honors Spanish 3 is geared toward preparing students for college-level language coursework as well as the IB assessments of the second year, IB Spanish SL. Instruction is conducted in Spanish. This is a rigorous course, which requires additional homework and testing. The focus of the course will be on the further expansion and mastery of all four language skills: speaking, listening, reading and writing. Students will focus on vocabulary development as well as solidification of the main verbal tenses. Although students will not be taking the formal internal and external assessments as proscribed by IB in their first year, they will become familiar with the various types of IB exams. The goal is not only to perform well on the assessments, but also to reach a certain level of fluency and cultural knowledge sufficient to serve them as a future student, professional and/or as a personal asset.

Spanish 4 (year, 10 credits)

Advanced language course.

Prerequisites: Successful completion of Spanish 3 with a grade of C or higher.

Fulfills: SVHS World Languages or Elective. UC/CSU approved with grade of C or higher.

Spanish 3 builds on Spanish 2 centering on the application of speaking and listening skills in the classroom, while also further developing reading and writing skills. Instruction will be in Spanish. Reading skills will be broadened to include authentic and adapted literary material including short stories, news articles and poems. Writing skills will include the perfecting of grammar as well as the learning of more sophisticated verbal tenses and structure through the writing of compositions and summaries. Vocabulary expansion and specialization will continue as students engage in more sophisticated readings. Greater familiarity and awareness of the culture of the Spanish-speaking world will continue to increase as students read newspapers and magazine articles, view films and artwork and listen to various speakers from different countries in Latin America.

IB Spanish SL (year, 10 credits)

Advanced language course. SVHS and US/CSU Honors Status.

Prerequisites: Successful completion of Spanish 3 or Honors Spanish 3 with a grade of C or higher and teacher recommendation.

Fulfills: IBO Group 2 Subject. SVHS World Languages or Elective. UC/CSU approved with grade of C or higher.

IB Spanish SL builds on Honors Spanish 3 centering on the application of speaking and listening skills in the classroom, while developing reading and writing skills further. IB Spanish SL is the year of application when students will be applying their intensive language study from Honors Spanish 3 as participants in conversation as well as readers and writers. Question and answer oral exercises, discussions, debates, interviews and individual/group oral presentations will be a part of the weekly routine. Instruction will be in Spanish. Reading skills will be broadened to include authentic and adapted literary material, covering a variety of geographical areas and genres, (narrative, essays, articles, and poetry), as well as themes, (community, hobbies, family, health, and environment). Writing skills will include the perfecting of grammar through the writing of various types of compositions such as letters, advertisements, persuasive essays and summaries. Vocabulary expansion and specialization will continue with attention to idiomatic expressions and verbs. Greater familiarity and awareness of the culture of the Spanish-speaking world will continue to increase as students explore various themes within the Hispanic world. Through in-class reading, writing and oral assessments, students will actively prepare for the IB exam.

Electives

IB Psychology SL (year, 10 credits)

Grades 11 and 12 course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: None.

Fulfills: IBO Group 3 Subject. SVHS Elective. UC/CSU elective requirement with grade of C or higher.

IB Psychology SL is an introduction to the study of psychology at the college undergraduate level. Many areas of psychology will be covered, with an emphasis on experimental and social psychology. Students will carry out formal APA-format scientific research and will be introduced to the statistics and research methods necessary to conduct effective psychological studies.

IB Theory of Knowledge (year, 10 credits)

Grades 11 or 12 course. SHVS Honors status; not UC/CSU Honors status.

Prerequisites: IB Diploma students are required to take this course in Grade 11; non-IB Diploma students may take the course as space permits.

Fulfills: IBO requirement for IB Diploma. SVHS Elective. UC/CSU elective requirement with grade of C or higher.

The IB Theory of Knowledge (TOK) course is central to the educational philosophy of the International Baccalaureate Programme. TOK challenges students and their instructors to reflect critically on diverse ways of knowing and areas of knowledge and to consider the role which knowledge plays in a global society. It encourages students to become aware of themselves as thinkers, to become aware of the complexity of knowledge and to recognize the need to act responsibly in an increasingly interconnected world. As this course fulfills the Theory of Knowledge requirement for completing the full IB Diploma program, non-IB Diploma students are welcome in the class, and are expected to complete the same course material, projects and assessments as the Diploma students. Imbedded in the TOK course is a Section of Cabrillo College's Library 10 course.

Film Studies (year, 10 credits)

Grades 10-12 course. May be repeated for credit.

Prerequisites: None.

Fulfills: SVHS Elective. UC/CSU elective requirement with grade of C or higher.

Film Studies is designed to introduce students to three particular areas of film study: film history, film art and film theory. General principles of film form and technique will be taught to help students understand cinema and learn to analyze film. In this course students will be exposed to various genres of film and have the opportunity to delve into the craft of filmmaking as an art and science.

Student Government (year, 10 credits)

Grades 9-12 course. Requires time outside of school to support school events. Earns SVHS Letter. May be repeated for credit.

Prerequisites: Election by popular student vote or teacher approval of a student leadership application. Students must be in good academic standing.

Fulfills: SVHS Elective. Does not meet UC/CSU requirements.

The Scotts Valley High School Student Government Program will create a school environment rich in activities, spirit, as well as communication and community service projects. The students in this course, both elected and appointed, will strive to become influential leaders of the SVHS student body and of the larger Scotts Valley community. This will be achieved by specifically developing leadership skills, planning a number of activities throughout the school year and participating in an active curriculum designed to create proactive leaders, strong communicators and spirited Falcons. The goal for the members of this program will always be to serve the members of the Associated Student Body of SVHS and to be responsible and respected students at Scotts Valley High School.

Yearbook (year, 10 credits)

Grades 10-12 course. Requires time outside of school to support school events. Earns SVHS Letter. May be repeated for credit.

Prerequisites: Students must be in good academic standing.

Fulfills: SVHS Elective. Does not meet UC/CSU requirements.

Yearbook is an exciting course for the highly-motivated student with strong integrity and a desire to create an incredible yearbook for Scotts Valley High School. Yearbook students work together as a team and learn every aspect of the process of creating a 225 page publication from its inception. A wide variety of hands-on skills are taught in the Yearbook course. They include digital photography, basic Adobe Photoshop, layout and design, marketing and sales, working with outside vendors and learning communication skills to various audiences including parents, school administration and peers to accomplish specific goals. The Yearbook course entails commitment and hard work, but is also very rewarding and fun.

Cross-Age Tutoring (semester, 5 credits)

Grades 11 and 12 course.

Prerequisites: Prior approval from supervising off-site teacher and counselor.

Fulfills: SVHS Elective. Does not meet UC/CSU requirements.

In this course students provide classroom assistance to teachers at Scotts Valley Middle School, Brook Knoll or Vine Hill Elementary Schools. Students work in the classroom at their assigned school on a regular basis during the designated class period. This course also requires that students provide their own transportation to and from their assigned school.

Office Aide (semester, 5 credits)

Grades 11 and 12 course.

Prerequisites: Prior approval from supervising office staff.

Fulfills: SVHS Elective. Does not meet UC/CSU requirements.

Office Aides assist with various clerical tasks in the Attendance Office, Career Center, Counseling Department, Registrar's Office and Administration Office. Aides frequently answer the phone, run on-campus call slips and make deliveries, prepare mailings, make copies, collate and alphabetize materials, and generally support office staff in a variety of everyday activities and special projects.

Teacher's Aide (semester, 5 credits)

Grades 11 and 12 course.

Prerequisites: Prior approval from supervising teacher.

Fulfills: SVHS Elective. Does not meet UC/CSU requirements.

Teacher Aides assist with various clerical tasks for a specific teacher. Aides run on-campus errands, grade papers, make copies, collate and alphabetize materials and generally support the teacher in a variety of everyday activities and special projects.

Work Experience (semester, 5 credits)

Grades 11 and 12 course.

Prerequisites: Student must already have a job (see below) and work at least ten hours per week.

Fulfills: SVHS Elective. Does not meet UC/CSU requirements.

Work Experience students meet once per week and work at least ten hours at the job site. The student is responsible for finding his or her own paid job; he or she cannot be an independent contractor or have a job in a private home. The job must be considered permanent (not temporary or short-term) and be covered by Worker's Compensation Insurance within Santa Cruz County.

Additional Courses of Study & Support Services

The Special Education program is designed to assist students with a variety of disabilities. Students are eligible for this program when they are identified by a teacher or parent and undergo assessments to see if they meet minimum qualifications for Individual Education Plans (IEPs). Students with IEPs receive services directly from the Special Education teacher as well as within the regular classrooms.

Resource Specialist Program (RSP)

For students in this program, support and instruction are offered for challenges in a variety of perceptual and academic skills. Study skills, test taking skills and other strategies are stressed so that students may progress and succeed in general education courses. Tutorial (support) classes are offered as well as content area classes such as English and Mathematics.

Special Day Class (SDC)

Students placed in this class complete academic requirements for a regular diploma or certificate of completion depending upon the individual's assessed needs and IEP goals. Students are offered small group instruction in Mathematics, Sciences and English. The SDC classes provide an alternative curriculum and modified instruction. Students may take regular education classes as appropriate.

Basic Math 9-12 (year, 10 credits)

Grades 9-12 course.

Prerequisites: Must be recommended for this course based on standardized assessments.

Fulfills: SVHS Mathematics. Does not meet UC/CSU requirements.

The Basic Math 9-12 course is for RSP and Special Day Class students with Individualized Education Plans. The course is individualized to a high degree and concentrates on developing basic math skills, especially everyday applications.

Basic English 9-12 (year, 10 credits)

Grades 9-12 course.

Prerequisites: Must be recommended for this course based on standardized assessments.

Fulfills: SVHS English. Does not meet UC/CSU requirements.

Basic English 9-12 covers the standard English curriculum offered in English 1-4 with accommodations. It is designed for Resource Specialist students with Individualized Education Plans. Students analyze literature through learning activities that include writing, verbal responses and projects. Written expression, reading comprehension, word attack skills, grammar, punctuation and spelling are covered. Literature is selected from the standard English course requirements and supplemented with additional district approved texts.

Directed Studies (year, 10 credits)

Grades 9-12 course. May be repeated for credit with teacher approval.

Prerequisites: Must be recommended for this course based on standardized assessments.

Fulfills: SVHS elective requirement. Does not meet UC/CSU requirements.

This course provides the Resource Student with extra help on campus. Study Skills can assist students with such things as homework review, large project development and management, vocational/career exploration, mainstream classroom support and collaboration with mainstream teachers, test proctoring, study skills for taking tests, reading comprehensions strategies and classroom computer services for course work.

Regional Occupation Program (ROP)

The Santa Cruz County Regional Occupational Program (ROP) provides students with the opportunity to acquire career training and technical skills that prepare them for success in the changing workplace. ROP, a Western Association of Schools and Colleges (WASC) accredited program of the Santa Cruz County Office of Education, is offered in cooperation with area high schools and the local business community to provide job training for high school students.

The Santa Cruz County ROP provides more than 50 courses in six career pathways located at all area high schools and several community-based locations. The pathways identified meet the needs of the local labor market. The six career pathways include: 1) Agriculture & Natural Resources, 2) Arts and Communication, 3) Business, Marketing and Information Systems, 4) Engineering and Industrial Technology, 5) Home, Health and Recreation, and 6) Social, Human and Governmental Services.

High School Credit: Five high school credits per semester are normally awarded for the successful completion of each five-hour weekly class. Most classes are two semesters long, yielding 10 credits total. Some classes meet more or fewer hours, and credits are adjusted proportionally.

College Credit: College credit may be awarded for specific courses by transfer-verification, petition or established articulation agreements with Cabrillo College and ROP.

Fees: Books are at no-cost to high school students but a one-time materials fee or refundable deposit for some classes may be required. Upon completion, if a state-licensing exam is required, the cost of the exam is the student's responsibility.

Certifications: Some ROP classes provide training that meets State requirements. For classes that prepare students for State Certification, the applicant must pass a State Certification Exam to receive full State Certification.

Transportation: Students must provide their own transportation to off-campus ROP classes.

Registration: Students register for ROP classes on their SVHS Course Selection Form and with the SVHS ROP counselor, Julie Edwards-Levy (jlevy@santacruz.k12.ca.us).

For additional information about ROP and detailed descriptions of off-campus courses, see the ROP counselor or go to www.rop.santacruz.k12.ca.us.

Scotts Valley High School, On-Campus ROP Courses

Administration of Justice (year, 10 credits)

Grades 11–12 course.

Fulfills: SVHS Elective.

Cabrillo College Credits: Students can petition for Introduction to Criminal Justice (CJ-1) units if they receive a grade of C or higher in the class AND score at least a 70% on the approved CJ 1 final.

In ROP Administration of Justice, students learn the basics of law enforcement including a working knowledge of state and federal laws and varied segments of the judicial system. The course includes: historical survey of American police agencies, with emphasis on California law enforcement; philosophy of the origin of crime and its social impact on society; development of the criminal justice system, current trends and their relevance to local law enforcement; hiring and testing processes for positions in law enforcement; laws of arrest, search and seizure laws; court processes; penal code and vehicle code—what constitutes a crime; child abuse and related offenses; drug and alcohol abuse and related offenses; participation in a ride-along program with a local law enforcement agency. Also incorporated are employment readiness skills such as work portfolio preparation, job interviewing, resumes, etc.

Bicycle Technology & Performance (year, 10 credits)

Grades 10–12 course.

Fulfills: SVHS Elective.

Students learn bicycle repair, maintenance and safety. Curriculum includes building up and repairing bicycles, sales and ordering parts, communication, safety laws and the health, environmental and economic benefits of cycling.

Economics of Marketing (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective. One semester of UC/CSU A-G requirement for College Prep Elective (G) credit.

Economics of Marketing is a college-prep course that provides students with the knowledge and skills needed to enter and succeed in the world of marketing. Marketing concepts studied include advanced communications, advertising strategies, decision-making for the marketplace, branding, design of promotional materials, and providing business clients with marketing strategies and promoting events like grand openings or open houses. Students learn to use presentation software and graphic design applications. Also incorporated are employment readiness skills such as work portfolio preparation, job interviewing, resumes, etc.

Introduction to Digital Photography (year, 10 credits)

Grades 11–12 course.

Fulfills: SVHS Elective.

ROP Digital Photography provides students with both the artistic and technical skills to capture, manipulate, enhance, and output digital images using Adobe Photoshop. In this fun, hands-on class, students produce a variety of visual media including portraits, product photos, artistic compilations, and web graphics. This course introduces students to the field of Digital Photography and the related fields of Graphic Design and Web Design, and encourages them to explore advanced education in these areas. During the course, students also gain general career preparation skills, such as enhancing their attention to detail, portfolio creation, computer efficiency, and creativity. Also incorporated are employment readiness skills such as work portfolio preparation, job interviewing, resumes, etc.

Sports Occupations (year, 10 credits)

Grades 11–12 course.

Fulfills: SVHS Elective.

ROP Sports Occupations focuses on jobs and careers related to the sports industry such as sports medicine, sports science and sports management. Students gain entry-level skills in such areas as physical therapy, athletic training, coaching, game scheduling, scouting and much more. The class has a strong focus in kinesiology and exercise physiology and includes guest teachers who specialize in the areas of focus. Sports Occupations is for students who are considering a career in sports or sports-related careers. Also incorporated are employment readiness skills such as work portfolio preparation, job interviewing, resumes, etc.

Video Productions (year, 10 credits)

Grade 10–12. May be repeated for credit.

Prerequisites: Successful completion of Drama 1 or 2.

Fulfills: SVHS Visual & Performing Arts or Elective. UC/CSU approved elective with grade of C or higher.

Video Productions is a practical, 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. It is a course designed to

teach students the history of filmmaking and its place in society, its influence, both creative and original, as well as commercial. Students are expected to create and produce original video projects using state-of-the art software. Students will understand and effectively use standard pre-production techniques such as: storyboards, shot lists, script writing, identification of target audiences, presentation of project proposals, creation of budgets and schedules and learn to use video and digital video cameras, lights and audio to effectively communicate an idea and tell a story while simultaneously using non-linear platforms. The class also will provide training for occupations in the television and film industries and students will learn the kind and quality of production work that is necessary for successful entry into the video job market. The course will provide the background to help the student succeed in the areas of film production, marketing, fine and performing arts, film, and multimedia at the college level. The course culminates in a film festival, which is produced for the City of Scotts Valley.

Off-Campus ROP Classes

Off-campus classes must fit into the student's high school schedule. Students must provide their own transportation to off-campus classes. Not all courses are offered every year and locations are subject to change. Check with the ROP counselor on current offerings and campuses (jlevy@santacruz.k12.ca.us).

Aquaculture (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective. UC/CSU A-G requirement for College Prep Elective (G) credit

Learn about aquatic careers, aquaculture, water quality, monitoring, aquatic ecology, equipment, organism life cycles and culturing techniques, feeds and nutrition and business practice.

Athletic Trainer (semester, 1 credit, may be repeated)

Grades 10–12 course.

Fulfills: SVHS Elective.

Students learn the skills necessary for athletic training, physical therapy and fitness instruction, basic anatomy, physiology and nutrition. Class meets one hour per week. It is possible to earn four additional credits through internship opportunities.

Cabinetry (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective.

Cabrillo College Credits: Students can petition for Special Topics in Construction and Energy Management (CEM190A-Z) units if they receive a grade of C or higher, credit by exam.

In this class, students learn about the design and creation of cabinets, furniture and finish details, which are special areas of expertise in home and building construction or remodeling.

Construction Technology (year, 10 credits)

Grades 10–12 course.

Fulfills: SVHS Elective.

Cabrillo College Credits: Students can petition for Special Topics in Construction and Energy Management (CEM190A-Z) units if they receive a grade of C or higher, credit by exam.

In this class, students learn about the construction trade and through classroom instruction, gain work-site competencies in many areas including basic construction math, project organization, starting the job and more. The focus is on green construction.

Cosmetology at Shoreline School of Cosmetology (year, 10 credits)

Grade 12 only course. Must attend orientation in junior year and complete interview process before registering.

Fulfills: SVHS Elective.

In this class, students receive career training in the areas of hair care, skin care, and manicuring. The course includes the theory related to the Art & Science of Cosmetology.

Culinary Arts (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective.

Cabrillo College Credits: Students can petition for Intro to Culinary Arts Basics, Intro to Entrée Preparation and Service, and Intro to Appetizers and Baking Preparation (CAHM 50A, B and C) units if they receive a grade of C or higher and instructor recommendation.

This program prepares students for food production, preparation and service skills for employment in institutional, commercial or independent food establishments and food industry and hospitality occupations.

Dental Occupations (semester, 5 credits)

Grades 10–12 course.

Fulfills: SVHS Elective.

This class introduces students to careers in the dental field, with a global view of today's dental healthcare environment.

Engine Repair and Performance (year, 10 credits, may be repeated)

Grades 11 and 12 course.

Fulfills: SVHS Elective.

This basic course in automotive technology stresses general diagnostics, engine removal and reinstallation, cylinder head and valve train diagnosis and repair, engine block diagnosis and repair, and lubrication and cooling system diagnosis and repair. Students can take this class for two years and earn an industry-recognized automotive certification.

Environmental Horticulture (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective. UC/CSU A-G requirement for College Prep Elective (G) credit

Cabrillo College Credits: Students can petition for Plant Propagation (HORT 100A) and Current Topics in Horticulture (HORT 162A-Z) units if they receive a grade of C or higher, credit by exam.

Topics include landscape ecology, ecosystem restoration, management, sustainable use of natural resources, urban landscape design and management.

Fashion Design (semester, 5 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective.

Prepare for a career in the Fashion Design and Stylist industries. Learn about fashion, color theory, design principles of line, proportion, scale and balance as they relate to the human body.

Fire Science (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective.

Cabrillo College Credits: Students can petition for Fire Protection Organization (FT 1) units if they receive a grade of C or higher. Credit by exam

This course is an overview of fire technology and includes information on fire fighting, hazardous materials, fire prevention, and the organizations that provide these services. Certifications offered include CPR, First Aid, and Incident Command.

First Responder (at Emergency Training Services)

Grades 11 and 12 course (must be 16 at time of enrollment). Contact ETS, 476-8813, to enroll.

Fulfills: SVHS Elective.

Forty-four hours of advanced first aid and CPR for students interested in emergency services and healthcare careers.

Green Careers (year, 10 credits)

Grades 10–12 course.

Fulfills: SVHS Elective.

This class provides an overview of careers that focus on environmental protection. Students learn job skills in fields such as outdoor education and recreation, solar technology, green construction, resource management, field research, and more.

Health Careers (year, 10 credits)

Grades 10–12 course.

Fulfills: SVHS Elective.

This course provides an overview of the medical field and the skills needed to be successful. Students explore potential career options in the healthcare field. Medical terminology is emphasized. Prerequisite for ROP Medical Technologies.

Medical Technologies (year, 10 credits)

Grades 11 and 12 course.

Prerequisites: ROP Health Careers. Enrollment in Biology recommended.

Fulfills: SVHS Elective. UC/CSU A-G requirement for College Prep Elective (G) credit.

This course is for student planning to attend college or receive other advanced training in the healthcare field. It introduces students to the necessary scientific concepts, theories, and skills for the healthcare setting.

Organic Agriculture Production/Gardening (year, 10 credits)

Grades 10–12 course.

Fulfills: SVHS Elective.

Students explore organic gardening and agriculture production techniques, including planning, when to plant, caring for plants, how and when to harvest and products made from garden produce.

Veterinary Science (year, 10 credits)

Grades 11 and 12 course.

Fulfills: SVHS Elective. UC/CSU A-G requirement for College Prep Elective (G) credit

In this course, students study healthcare of both small and large animals. The student-run domestic grooming shop offers safety training for handling animals and provides the skills necessary for employment in the animal care industry.