



Scotts Valley High School
An International Baccalaureate World School

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Introduction

Mission Statement

Scotts Valley High School endeavors to educate students to be productive, responsible American citizens who, through lifelong learning, can participate effectively in a global society. Our students can realize their potential through curricular and extra-curricular programs that nurture intellectual, aesthetic, social, physical and moral development. We are dedicated to educational opportunity for all, a commitment to excellence, and partnerships with the community that foster pride through example.

Educational Objectives

Scotts Valley High School's academic environment and school culture is based upon its stated mission as well as identified student needs and up-to-date educational research. The foundation for this environment and culture are based on some of the following practices:

- Develop a graduation system based on performance so students are able to demonstrate the skills they have learned
- Establish a core curriculum to ensure all students achieve academic competency
- Create a positive and caring school climate through mentor relationships between students, faculty, administration and counselors
- Develop a program of community service learning opportunities for all students
- Foster the development of problem-solving skills for all students
- Create pathways for transitions to work programs for students
- Provide educational options for at-risk students
- Form strong alliances with business, industry and educational institutions to benefit the school, departments and students

The International Baccalaureate Diploma Program

The International Baccalaureate Organization's (IBO) Diploma Program is a demanding, pre-university course of study that leads to international examinations in six subjects and the International Baccalaureate Diploma, recognized worldwide.

The IB Diploma has become a symbol of academic integrity and intellectual promise. The program has earned a reputation for rigorous assessment, giving IB Diploma holders access to the world's leading universities. The general objectives of the IB Program are to provide students with a balanced education; to facilitate geographic and cultural mobility; and to promote international understanding through a shared academic experience. It is designed for highly-motivated high school juniors and seniors. The Diploma Program's grading system is criterion-referenced—each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next.

The IBO has shown over the course of nearly 40 years that IB students are well-prepared for university work. Colleges and universities recognize that IB Diploma recipients are better prepared for the demands of college. Tuition savings are realized for students whose IB performance awards them advanced standing and college credit. The program was born of efforts to establish a common curriculum and university entry credential for students moving from one country to another. International educators were motivated by practical considerations but also by an idealistic vision—students should have an academic experience that emphasizes critical thinking, intercultural understanding and exposure to a variety of points of view.

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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 a 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 through the writing and verbal responses introduced in English 1. This college preparatory course introduces students to a variety of literature from across time, cultures and genres. Students will 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.

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 designed to meet the California State Language Arts Standards and develop 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 are trained to 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.

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.

This is a comprehensive course designed to meet the California State Language Arts Standards and develop the full range of English skills - 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 will be the main emphasis of

this course. Writing assignments include literary analysis, reflection, creative writing and a Senior Portfolio project. Grammar and vocabulary will be studied in the context of improving writing skills.

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 of a two year course which emphasizes the development of the student's ability to respond to a range of complex works in an in-depth and articulate manner. IB English provides a rigorous curriculum of American and world literature designed for the college preparatory student seeking academic challenges. The curriculum places an emphasis on 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 is designed to meet 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 which emphasizes the development of the student's ability to respond to a range of complex works in an in-depth and articulate manner. IB English provides a rigorous curriculum of American and world literature designed for the college preparatory student seeking academic challenges. The curriculum places an emphasis on 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 is designed to meet both California State Standards and the Language A curricular framework for the International Baccalaureate Diploma Program.

Sciences

Integrated Science/Environmental Science (year)

10 credits

Entry-level science course.

Prerequisites: Recommended to have completion of Biology and 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 integrates 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 laboratory 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 will be 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 1B (year)

10 credits

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

Prerequisites: Successful completion of Algebra 1A or equivalent.

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

Next course: Geometry.

Algebra 1B is the second year of our two-year elementary algebra curriculum. Students who enroll in this course either are continuing their elementary algebra studies (which they began in Algebra 1A) or are needing to retake the second half of Algebra I. First semester topics include a review of linear functions; followed by a study of quadratic functions and equations; exponential functions and expressions; properties and trigonometry of right triangles; and radical expressions and their equations. Second semester topics include multiplying and factoring polynomials, solving polynomial equations and working with rational expressions and equations.

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 (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 (1 year)

10 credits

Grade 9 physical education course.

Prerequisites: None.

Fulfills: SVHS Physical Education. Does not meet UC/CSU 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 (1 year)

10 credits

Grades 10-12 physical education course.

Prerequisites: None.

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

PE 10 - 12 includes team sports, personal fitness skills (biomechanics), concepts and techniques, as well combative training. Students will develop teamwork synergy, effective communication skills, dynamic strategies and self-efficiency in motor development. This program utilizes the Pyramid Pathway method of giving individual students the necessary knowledge and skills to become active for life.

Health Education (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 is an introduction to the study of the Modern World. While many of the same concepts and theories from previous study will be further developed, there will be a particular focus on those concepts that develop in the modern world. The international study will focus primarily on the study of culture and major current issues, both historically and in the present day. Students will examine our local culture and use this study to guide them in their understanding of the Middle East and Africa. Through this study students will engage in frequent class discussions, lectures, cooperative learning projects, independent assignments and research projects based on the various areas of study.

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 part of global studies. This course builds on the concepts, theories and information developed during World Studies 1. Through examination we will trace various social political and economic trends that have shaped the modern world from The Enlightenment to the end of the Cold War. During the course of study, students will engage in frequent class discussions, lecture, film analysis and cooperative learning projects, independent assignments and major projects. Students will also compare historical events to current events in various assignments.

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.

Video Productions (year)

10 credits

Grade 10-12 performing arts course. 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.

IB Theatre Arts SL (year)

10 credits

Grade 11-12 performing arts course. SVHS Honors status; not UC/CSU Honors status.

Prerequisites: Recommended to have successful completion of Drama 1 and Drama 2.

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

IB Theatre Arts SL is a highly rigorous course examining and practicing the intricacies of the Performing Arts. Students will experience the interdisciplinary approach to learning that unifies other academic areas and encourages appreciation of various cultural perspectives. Practically, this course aims to help students understand performance through experience with the mind, senses, body and emotions. The program deals with making theatre, theatre production, world theatre and research for production.

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 animal drawings in graphite, still-life in chalk pastel and charcoal, repeated object in pen & ink, mixed-media collage, African mask making, landscapes in watercolor, balsa wood carving and acrylic painting. Students learn and experience self and peer critiques.

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 4 builds on Spanish 3 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 run on-campus errands, 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. May be repeated for credit with teacher approval.

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.

English 9-12 (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 English. Does not meet UC/CSU requirements.

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.

Linguistics (year)

10 credits

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

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

The Linguistics course provides intense work in developing basic English reading and writing skills. Students RSP and Special Day Class students may take this course. Students are assigned individually in sections appropriate to their skill level.

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

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 a changing workplace and continuing education. ROP, a Western Association of Schools and Colleges (WASC) accredited program of the Santa Cruz County Office of Education, offered in cooperation with county high school districts and the local business community, provides job training for students age 16 and older. Students can take ROP courses at any of the participating high schools.

Scotts Valley High School Courses

Administration of Justice (year) 10 credits

Grades 10-12 course.

Fulfills: SVHS Elective.

Prerequisites: None

Next Step: Completion of course with C or higher is eligible to petition CJ-1 Intro to Criminal Justice for 3 units of credit by exam at Cabrillo College.

Learn the various aspects of law enforcement and the law. Potential careers include police officer, forensic scientist, lawyer, security officer, and more.

Economics of Marketing (year) 10 credits

Grades 10-12 course.

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

Next Course: Marketing 2.

Want to learn about advertising, marketing communications and research? Then take this class and learn more about the business world.

Sports Occupations (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective. Instruction includes CPR certification.

Learn about the many exciting career related to sports: Athlete, coaching, officiating, exercise physiology, sports management, athletic trainer, physical therapy orthopedic surgery, parks and recreation, sports sociology and more.

Off-Campus Courses

Students must provide their own transportation to off-campus classes

Engine Repair @ Santa Cruz High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This basic course of the automotive technology stresses general diagnosis, engine removal and reinstallation, cylinder head and valve train diagnosis and repair, engine block diagnosis and repair, lubrication and cooling system diagnosis and repair.

Healthcareers @ Harbor High School (semester) 5 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective. Two semesters recommended, additional semester can be taken for credit.

This course provides an overview of the medical field and administrative skills needed to be successful. Students will explore potential career options in the healthcare field. Medical terminology will be emphasized.

Medical Technologies @ Harbor High School (year) 10 credits

Prerequisites: Completion of, or enrollment in Biology recommended.

Information: Grade 12 and Grade 11 by application only. Students will receive First Responder Certificate.

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

This course provides an introduction to scientific concepts, theories and skill development in the healthcare setting for high school students planning on going on to college or advanced training in the healthcare field. Students will participate in a combination of interactive classroom instructions, skill practice, lab activities, and clinical rotations in medical facilities.

Fire Science @ Local Fire Departments 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective. Students will have the opportunity to earn certifications in CPR, First Aid and Incident command.

This course is an overview of fire technology and includes information on fire fighting, hazardous materials, fire prevention, and the organizations that provide that service.

Cabinetry @ Soquel High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

The design and creation of cabinets, furniture and finish details are special areas of expertise in home and building construction or remodeling.

Floral Design @ Soquel High School (year) 10 credits

Information: Grade 10 - 12 course.
Fulfills: SVHS Elective.

Students will acquire practical skills and knowledge of floral design. Design and marketing of floral arrangements.

Veterinary Science @ Soquel High School (year) 10 credits

Information: Grade 10 - 12 course.
Fulfills: SVHS Elective. Fulfills UC/CSU category G elective course requirement with grade of C or higher.

This course provides a solid base of knowledge and skills in animal sciences. It provides an in-depth study of animal anatomy and physiology as well as animal health and disease. Related lab activities are an integral part of this course. Study of common health care and grooming of both small and large animals.

First Responder @ Emergency Training Services, Santa Cruz (year) 10 credits

Information: Grade 10 - 12 course. Contact ETS, 476-8813, for more information)
Fulfills: SVHS Elective.

Forty-four hours of advanced first aid and CPR for healthcare providers.

Dental Assisting @ Harbor High School (year) 10 credits

Information: Grade 12 course. Must attend orientation to register.
Fulfills: SVHS Elective.

Instruction includes orientation to the dental profession and dental health team, dental nomenclature, communication skills, interpersonal skills, computer applications, ethics and legal considerations, math applications, asepsis and universal precautions, employability skills, dental materials, sterilization procedures, 4 handed chair side skills, instrumentation and equipment.

Cosmetology @ Shoreline School of Cosmetology, Santa Cruz (year) 10 credits

Information: Grade 12 course. Must attend orientation meeting before registering.
Fulfills: SVHS Elective.

Begining instruction in the field of cosmetology.

Aquaculture @ San Lorenzo Valley High School (year) 10 credits

Information: Grade 10 - 12 course.
Fulfills: SVHS Elective. Fulfills UC/CSU category G elective course requirement with grade of C or higher.

A great hands-on applied math and science application of aquaculture. Students will apply math and science to a project-based curriculum with real world applications. The course includes aquatic careers, an overview of the different types of aquaculture, water-quality, monitoring, aquatic ecology, equipment, organism life cycles, and culturing techniques, feeds and nutrition, and business practice.

Green Careers @ Soquel High School or Natural Bridges High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This course will provide an overview of green careers. Students will learn the initial job skills and scientific knowledge necessary to pursue employment opportunities in such fields as outdoor education & recreation, solar technologies, green construction, resource management, field research, and more. Bridges 1:45-3:15 (internship 3-5 hrs. per week)

Sustainable, Organic Agriculture @ Natural Bridges High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This class will teach students about all aspects of planning, planting, maintaining, harvesting, and marketing produce.

Green Career Construction @ Natural Bridges High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

Beginning construction class will teach tool safety skills, basic skills related to estimating and reading plans, construction techniques(with included emphasis on green, sustainable construction practices).

Bike Assembly and Repair @ Harbor High School (semester) 5 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This course offers bicycle repair, maintenance and safety. Curriculum includes build-up and repair bicycles, sales and ordering parts, communication, safety laws and the health, and the environmental/economic benefits of cycling.

Interior Design @ Santa Cruz High (semester) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This course provides entry-level training in interior design/home furnishings. Students are prepared for job opportunities in the field that includes designer's assistant, fabric librarian, and sales of home furnishing products.

Culinary Arts @ Green Hills Road, Scotts Valley (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This instructional program prepares students with food production, preparation, and service skills for employment in institutional, commercial, or independently owned food establishments or other food and hospitality industry occupations.

Construction Technology @ San Lorenzo Valley High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

Athletic Training Program @ Harbor High School (year) 10 credits

Information: Grade 10 - 12 course.

Fulfills: SVHS Elective.

This course will provide participants with skills in athletic training, physical therapy, and fitness instruction. Background information is basic anatomy and physiology, nutrition, ethical and legal issues involved in medicine, and medical terminology. Participants will receive training in First Aid and CPR.

Outdoor Science Camp Cabin Leader @ County Office of Education

Information: Grade 10 - 12 course. Course is an 8 hour Saturday workshop.

Fulfills: SVHS Elective.

A fun way to earn elective credits toward high school graduation and receive community service hours. Gain great skills for working with kids. After the course students can decide whether they want to sign up for Science Camp.