

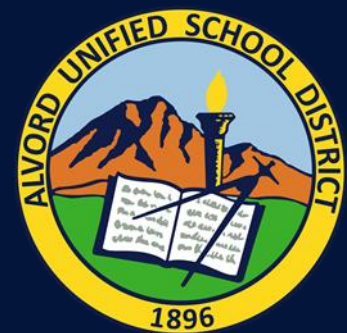
ALVORD UNIFIED  
SCHOOL DISTRICT

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**HIGH SCHOOL  
COURSE  
CATALOG**

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2020-2021





## Alvord Continuation High School

3606 Pierce Street  
Riverside, CA 92503  
951-358-1715



## Hillcrest High School

11800 Indiana Avenue  
Riverside, CA 92503  
951-358-1755



## La Sierra High School

4145 La Sierra Avenue  
Riverside, CA 92505  
951-358-1725



## Norte Vista High School

6585 Crest Avenue  
Riverside, CA 92503  
951-358-1740



## Alvord Alternative Continuation High School

10368 Campbell Avenue  
Riverside, CA 92505  
951-509-6120



# Alvord Unified School District Mission Statement

Alvord Unified School District, a dynamic learning community that embraces innovation, exists to ensure all students attain lifelong success through a system distinguished by:

- Active and inclusive partnerships
- Relationships that foster a culture of trust and integrity
- High expectations and equitable learning opportunities for all
- A mindset that promotes continuous improvement
- Multiple opportunities for exploration and creativity
- Professional development that promotes quality teaching and learning
- Access to learning experiences that promote a high quality of life





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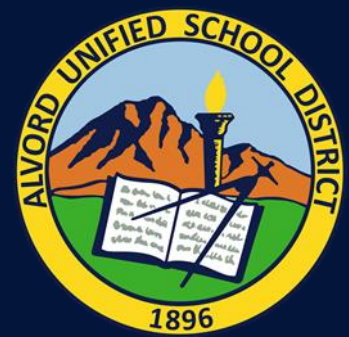
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# DEFINITIONS & TERMS





## Definitions & Terms

### A-G

The course requirements to be considered for admission to any of the California State Universities (UC's and Cal States). A student must complete 15 "A-G" courses with a grade of "C" or better – at least 11 of them prior to the senior year. Taking approved "A-G" courses isn't the only way to satisfy these requirements. Students may also meet them by completing college courses, or earning minimum scores on SAT Subject tests, Advanced Placement or International Baccalaureate exams.

### ADVANCED PLACEMENT (AP)

Advanced Placement (AP) courses provide high school students the opportunity to take college-level courses taught by Alvord Unified staff at their respective high schools. Upon passing an AP course examination administered by the College Board, students can receive college credit, advanced placement, or both from many U.S. colleges and universities. AP courses make substantial academic demands on students. Most courses are a full year in length. Students are required to do considerable outside reading and other assignments and to demonstrate the analytical skills and writing abilities expected of first-year students in a strong college program. Not all Advanced Placement courses are offered on all campuses.

### ARTICULATED COURSES

Articulated courses allow high school students to receive college credit for classes they complete in high school. Students may elect to include credits earned through an articulated course on their college transcript. The articulation process eliminates the need for duplication of courses at the college level.

### AVID

Advancement Via Individual Determination, is a global nonprofit organization dedicated to closing the achievement gap by preparing all students for college and postsecondary opportunities. AVID holds students accountable to the highest academic standards and provides academic and social support. The program teaches the necessary skills and behaviors for academic success and provides intensive support through tutorials and strong student teacher relationships. AVID provides a positive peer group and helps students develop a sense of hope for the personal achievement that can be gained through hard work and determination.

### CALIFORNIA PARTNERSHIP ACADEMIES (CPA)

CPA's are structured as a school-within-a-school. Academies focus on smaller learning communities with a career theme. Academy components include rigorous academics and career technical education, a committed team of teachers, and active business and post-secondary partnerships. One such partnership is the Health Careers Academy at La Sierra High School.

### CAREER TECHNICAL EDUCATION (CTE)

Career Technical Education (CTE) prepares students to be college and career ready by providing core academic skills, employability skills and technical, job-specific skills. Today's cutting-edge, rigorous and relevant Career Technical Education prepares students for high-wage, high-skill, high-demand careers in established and emerging industries.

### CTE PATHWAY

A CTE pathway is a sequence of two or more CTE courses within a student's area of career interest. Pathways are designed to connect high school classes to college, industry certifications, and/or a career.





## ENGLISH LANGUAGE DEVELOPMENT

English Language Development classes provide the English learner with instruction and strategies to acquire and understand the English Language. The goal is to support the student in developing a level of proficiency that maximizes their capacity to engage successfully in academic studies taught in English. Instruction focuses on guiding the students to interact in meaningful ways while simultaneously learning how English works.

## HONORS (H)

Honors course in English, Social Science, Science and Mathematics are designed for students who can learn at an accelerated pace. Content is qualitatively differentiated: through in-depth coverage, by emphasis upon critical analysis and related higher-level thinking skills, and by fostering student responsibility for self-learning and independent study.

## INTERNATIONAL BACCALAUREATE (IB)

The International Baccalaureate Diploma Program (IB) is a rigorous pre-university course of study that meets the needs of the highly motivated and academically gifted secondary student. The comprehensive curriculum, leading to examinations, is international in nature. It is not limited to the cultures of any one country. It provides students of different linguistic, cultural, and educational backgrounds with the intellectual, social and critical skills necessary for the international world community ahead of them. The intent is to teach students how to learn, analyze, and reach considered conclusions about humanity, their languages and literature, their ways in society and the scientific forces of their environment. This program is offered at Norte Vista High School. For more information, contact your counselor.

## NCAA

The National Collegiate Athletic Association (NCAA) maintains a list of courses which serve as a guide for prospective student-athletes seeking to participate in athletics at the college level. The list of approved courses serves to inform student eligibility but does not, nor is intended to, signify accreditation, certification, approval or endorsement of any high school or specific courses by the NCAA or NCAA Eligibility Center and is subject to change at any time and without notice.

## PROJECT LEAD THE WAY

Project Lead the Way is a nonprofit organization that provides transformative learning experiences for students and teachers across the U.S. through integrated instruction. By integrating computer science, engineering, and biomedical science into core academic instruction, students learn problem-solving strategies, critical and creative thinking and how to communicate and collaborate.

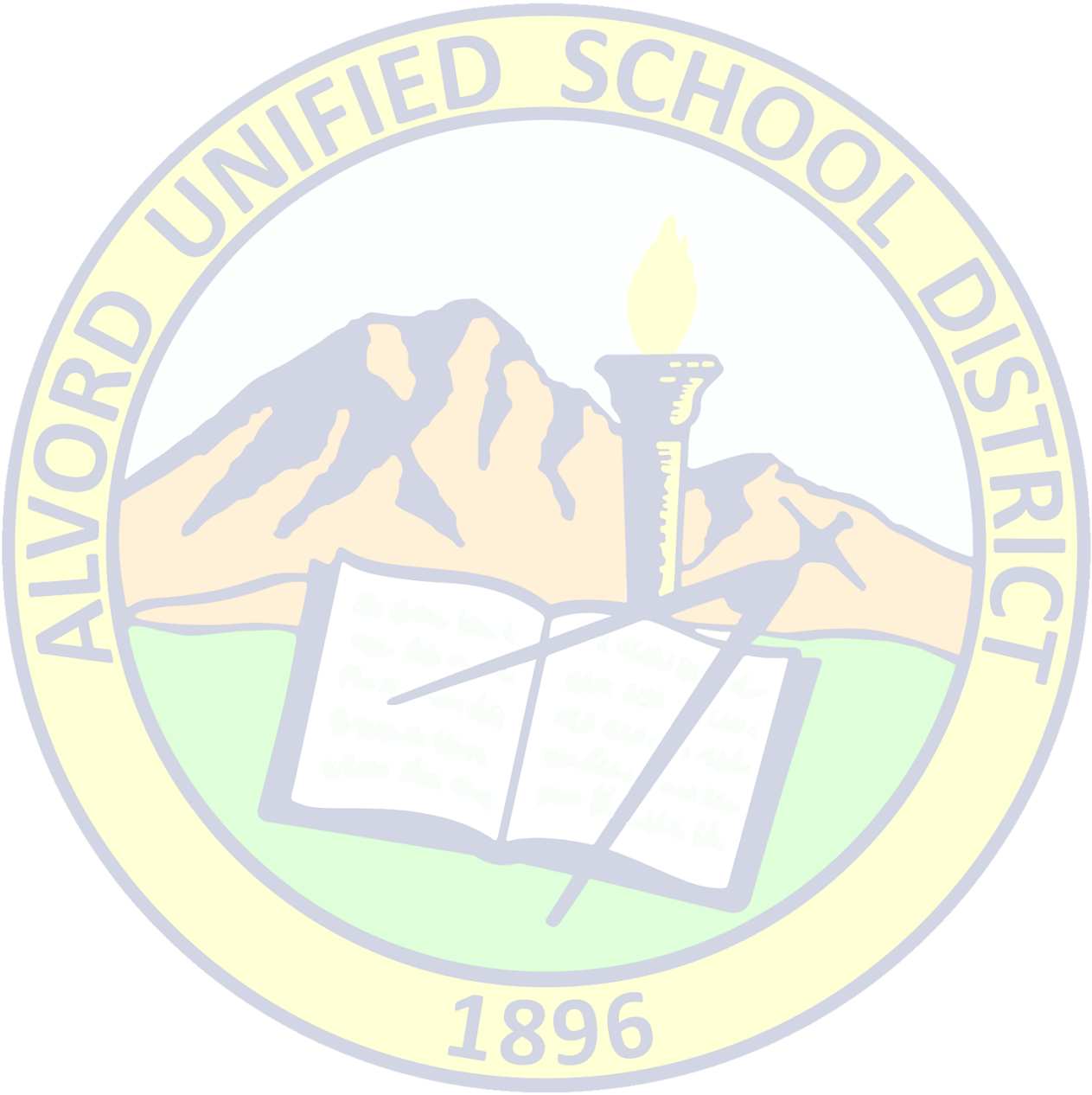
## SPECIAL EDUCATION COURSES

Special Education courses cover the same content standards as the general education courses. Special education courses include para professional instructional support and are modified to meet the unique needs of a student on an individualized education plan (IEP).



A grayscale photograph of a classroom with rows of wooden desks and chairs. A large white rectangular box is overlaid on the left side of the image, containing the title text. The bottom right corner of the image is a solid dark blue rectangle.

# **GRADUATION REQUIREMENTS**





**Alvord Unified School District requires 220 Units to graduate.**

Subject Area	Credits Required
English I	10.00
English II	10.00
English III	10.00
English IV (English Elective)	10.00
Modern World History	10.00
US History	10.00
American Government	5.00
Economics	5.00
Mathematics	30.00
Life Science	10.00
Physical Science	10.00
Fine Arts / Language	10.00
Health	5.00
Physical Education	20.00
Electives	65.00
TOTAL	220.00

## College Prep Requirements

Subject Area	AUSD Requirement	A-G Requirement
A) History, Social Science	3 years	2 Years
B) English	4 years	4 years
C) Math	3 years (must include Algebra I)	3 years (Algebra, Geometry, Algebra II)
D) Science	2 years	2 years
E) World Language	n/a	2 years
F) Visual and Performing Arts	1 year	1 year
G) College Prep Elective	65 credits	1 year

*Note: Students are not required to take college prep classes in each subject area in order to graduate from an AUSD school.*





# **COURSE DESCRIPTIONS**

*Courses are offered at each of our  
comprehensive high schools unless  
otherwise noted.*



## English 1

The standards-based curriculum integrates vocabulary development, reading comprehension, literary analysis, writing strategies training and application, and oral communication development through listening and speaking practice. The course will cover a variety of fictional short stories, nonfiction selections, functional documents, poetry, drama, and author studies. Students will be required to complete a minimum of six process writing assignments per academic year, in addition to daily and weekly writing activities.

1032, 1032GC, 1032PC, 1032PL \*^  
 1032PD Special Ed  
 0950 Honors \*^  
 400/401 \*

## English 2

The standards-based curriculum integrates vocabulary development, reading comprehension, literary analysis, writing strategies training and application, and oral communication development through listening and speaking practice. This course will cover a variety of fictional short stories, nonfiction selections, functional documents, poetry, drama, and folk literature. Students will be required to complete a minimum of six process writing assignments per academic year in addition to daily and weekly writing activities.

1232, 1232GC, 1232PC, 1232PL \*^  
 1232PD Special Ed  
 1262 Academy (La Sierra and Norte Vista) \*^  
 0951 Honors (Hillcrest and La Sierra) \*^  
 0402/0403 \*

## English 3

The standards-based curriculum integrates vocabulary development, reading comprehension, literary analysis, writing strategies training and application, and oral communication development through listening and speaking practice. The course will focus on American Literature dating from the 1500's to the 1980's. The readings will cover a variety of nonfiction selections, including reports, chronicles, speeches, documents, letters and essays, poetry, drama, and short stories. Students will be required to complete a minimum of six process writing assignments per academic year in addition to daily and weekly writing activities.

1332, 1332BA, 1332GC, 1332PC, 1332PL \*^  
 1332PD Special Ed  
 1362 Academy (La Sierra, Norte Vista) \*^  
 0404/0405 \*





## English 4

The standards-based curriculum integrates vocabulary development, reading comprehension, literary analysis, writing strategies training and application, and oral communication development through listening and speaking practice. The course will cover a variety of fictional short stories, nonfiction selections, functional documents, poetry, drama, and author studies. Students will be required to complete a minimum of six process writing assignments per academic year, in addition to daily and weekly writing activities.

1430, 1430PC \*^  
1430PD Special Ed  
1421/1423 \*

## English 4 Expository Reading and Writing

The goal of this course is to prepare college-bound seniors for the literacy demands of higher education. Students who place conditional-ready on the CSU EAP test can bypass the English Placement Test articulating directly to English 1A, negating any need for remediation classes, by passing ERWC with a “B” or better in their senior year. Through a sequence of fourteen rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. The cornerstone of the course—the assignment template—presents a process for helping students read, comprehend, and respond to nonfiction and literary texts. Modules also provide instruction in research methods and documentation conventions.

0810, 0810BA, 0810GC, 0810PC, 0810PL \*^  
0810PD Special Education

## English IB Higher Level 1

Offered at Norte Vista HS only.

English IB HL 1 focuses on literature that spans culture, race, genre, time, and gender boundaries. Chosen works encourage the exploration of various cultural influences in literature and promote a “world spirit” that offers an appreciation and understanding of experiences common to all humanity. World literature is emphasized since it reflects the IB philosophy of global perspective and international knowledge. The IB learner profile will serve as a backbone to the curriculum, as students are guided toward becoming learners that embody the philosophies of the profile.

0902 \*^



## English IB Higher Level 2

Offered at Norte Vista HS only.

English IB HL 2 is a one-year course designed specifically for IB students continuing in their studies of the IB curriculum. This course emphasizes the importance of critical thinking and the acquisition of strong reading, writing, and speaking skills. This course is based upon the California Reading/Language Arts Framework and includes the California Content Standards. In addition, English IB HL 2 maintains strict adherence to the guidelines set forth in the Vade Mecum (IB program guide). As such, it is anticipated that this course will be the second part of a two-year study in IB English, whereby the student will continually cycle through the materials, so that by the end of this second year of study, they will have a high degree of specialization with the materials and skills presented throughout the two years. This course will meet both the University of California and the California State University entrance requirements.

0903 \*^

## Theory of Knowledge IB

Offered at Norte Vista HS only.

This course emphasizes the individual as a critical thinker who reflects critically on diverse ways of knowing and on areas of knowledge, considering the role and nature of knowledge in their own culture, as well as the cultures of others. TOK also has an important role to play in providing coherence for the student as it transcends and links academic subject areas, thus demonstrating the ways in which they can apply their knowledge with greater awareness and credibility. This course intertwines the use of California Content Standards in the areas of English, history, math, and science. This course will meet both the University of California and the California State University elective credit requirements.

0914 \*

## AP English Language & Composition

This college-level course for 11<sup>th</sup> graders enables students to write a variety of essays effectively and confidently in preparation for their college courses. Students learn that the expository, analytical, and argumentative writing they must complete is based on reading, not solely on personal experience and observation. The course focuses on American Literature but may include other challenging primary and secondary sources. Building on the Honors courses, students will focus on using their knowledge and skills to analyze and interpret the interactions between a writer's purposes, audience expectations, and subjects, as well as the way language contributes to effectiveness in writing. Homework loads average five hours per week. Completion of a summer assignment is required.

1475 \*^



## AP English Literature & Composition

This college-level course for 12<sup>th</sup> graders engages students in the close reading and critical analysis of fictional literature. Through the careful reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Reading is accompanied by thoughtful discussion and writing about texts with other students. Writing instruction includes attention to developing and organizing ideas in clear, coherent, and persuasive language. Homework loads average five hours per week. Completion of a summer assignment is required.

1455 \*^

## Advanced Academic Language Development

This course is designed to empower English Learners through the development of targeted academic vocabulary and English language skills. Academic Language is the formal language written and spoken in the classroom (in all subject areas) as well as college and professional work settings. Developing Academic Language is necessary for students to be able to read and understand increasingly difficult texts, and to clearly and confidently express ideas in class discussions and writing assignments using academic English. Special emphasis will include building academic Tier 2 & Tier 3 words, word analysis, reading comprehension, writing strategies and applications, and developing oral skills through speech. Students enrolled in AALD must also be enrolled in their grade appropriate regular English class.

0458 (Alvord Continuation, Norte Vista)



## Integrated Mathematics 1 and Information Communication Technologies

This course is designed for students who value applications of integrated concepts of mathematics and have a desire for a career in computer programming. This course focuses on formalizing and extending the mathematics that students learned in the middle grades. As students research, analyze, and modify existing programming code and develop their own systems of coding through the platform, Scratch, students understand the elements of creating games and simulations. The course's critical areas are organized into units by deepening and extending understanding of linear relationships, in part contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition, the course uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. This course centers on the depth and complexity of enduring mathematical understanding through the unit programming projects.

0960, 0960PC \*^  
 0960PD Special Ed  
 0964 Academy \*^

## Integrated Mathematics 2 and Information Communication Technologies

This course focuses on formalizing and extending the mathematics that students learned in the previous course, IM 1/ICT. The content includes the concepts of extending number systems, interpreting quadratic functions and modeling, evaluating and interpreting the structure of expressions, applying diverse forms of probabilities, applying and interpreting similarity, right triangle Trigonometry and proof, and focusing on circles with and without coordinates. The multifaceted course content includes Algebra 2, Geometry, Statistics and Probability, and Trigonometry. As students research, apply, and synthesize the existing programming code and develop their own systems of coding through the platform, Scratch, students understand and enhance programming languages, create intelligently designed simulations that educate, engage players, interpret, and discover the correlation between terms used in IT coding languages and mathematics. This course centers on the depth and complexity of enduring mathematical understanding through six units of programming projects. Understanding and gaining proficiency in two pathways of ICT, students also explore various ethical issues around the twenty-first century's increasingly rapid development of technology and its cultural impact on society.

0961, 0961PC \*^  
 0961PD Special Ed



## Integrated Mathematics 3 and Information Communication Technologies

This course focuses on formalizing and extending the mathematics that students learned in the previous course, IM 2/ICT. The content includes the concepts of inferences and conclusions from data, polynomials, rational, and radical relationships, trigonometry of general triangles and trigonometric functions, exponential and logarithmic functions, and mathematical modeling. The multifaceted course content includes Algebra 2, Geometry, Statistics and Probability, Trigonometry, and Pre-calculus. As students research, apply, and synthesize the existing programming code and develop their own systems of coding through the platform, Scratch, students understand and enhance programming languages, create intelligently designed simulations that educate, engage players, interpret, and discover the correlation between terms used in IT coding languages and mathematics. This course centers on the depth and complexity of enduring mathematical understanding through five units of programming projects. Understanding and gaining proficiency in two pathways of ICT, students also explore various ethical issues around the twenty-first century's increasingly rapid development of technology and its cultural impact on society.

0962, 0962PC \* ^

## Integrated Mathematics 1 / Robotics and Computing

This course is designed for students who value applications of integrated concepts of mathematics and have a desire for a career in computing, robotics, and engineering. The purpose of this course is to promote students' understanding of Information and Communication Technologies (ICT) through computer programming and operating and programming modular robot Linkbots in hardware and virtual Linkbots in RoboSim while learning mathematics. The course guides students through the clusters of standards of Common Core State Standards for mathematics of IM1 while simultaneously teaching students about programming skills. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, and analyzing the results for accuracy, going back, and modifying the programming solutions. Through computing and robotics activities, students collaborate and communicate their reasoning by providing evidence from reenacting physically derived mathematical problems through robotics technologies to visualize situations, associate linear and quadratic graphs with physical phenomena, predict and identify key features of the graphs with the specific physical situations, and solve physical problems through the concepts and clusters of standards of Integrated Mathematics One.

0975 \* Offered at Hillcrest and La Sierra



## Integrated Mathematics 2/Robotics and Computing

This course is designed for students who value applications of integrated concepts of mathematics and have a desire for a career in computing, robotics, and engineering. The course guides students through the clusters of standards of Common Core State Standards for Mathematics of Integrated Mathematics Two while simultaneously teaching students about programming skills. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, analyzing the results for accuracy, going back, and modifying the programming solutions. The purpose of this course is to promote students' understanding of Information and Communication Technologies (ICT) through computer programming and operating and programming modular robotics with Linkbots in hardware and virtual Linkbots in RoboSim while learning mathematics.

0976 \* Offered at Hillcrest

## Integrated Mathematics 3/Robotics and Computing

This course provides learning opportunities to students about computing and robotics while learning mathematics. This course focuses on computer programs and robotics systems to solve real world mathematics problems using computational thinking, such that they will form generalized algorithmic solutions to model various situations with mathematics. Students will focus on applying methods from probability and statistics to draw inferences and conclusions from data, expanding understanding of functions to include polynomial, rational, and radical functions, expanding right triangle trigonometry to include general triangles, and consolidating functions and geometry to create models and solve contextual problems. Students then test their solutions, verifying computationally or graphically that the answers are reasonable in relation to the situation. In these programs, students identify variables, constraints, initial inputs or conditions, and create algorithms which incorporate logical progressions of processes culminating in outputs or actions. Students are guided through the clusters of standards of Common Core State Standards for Mathematics of Integrated Mathematics Three with computing skills, and use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts through offering solutions to real life problems, and then analyzing the results for accuracy and modifying the programming solutions by utilizing Linkbots.

0977 \* Offered at Hillcrest



## Intermediate Algebra

This course examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing and word problem applications will also be included. In addition to the basic operations, logarithms, exponential equations, systems of linear and nonlinear equations, Cramer's Rule, the Binomial Theorem, the complex number system and sequences and series are included.

2104 \*

## IB Math Higher Level 2

IB Math HL 2 is the final year that prepares students to take the IB Higher-Level (HL) Math exam. This class covers all topics typically covered during the second and third quarters of college calculus. In addition, it also covers additional IB required topics. This course is designed for the student who may wish to focus on mathematics, engineering, or science after high school and is ready to learn concepts at a faster pace.

0922 \* Offered at Norte Vista

## Mathematical Reasoning with Connections

MRWC is a fourth year mathematics course designed to prepare students for the expectations and rigor of college mathematics courses. It reinforces and builds on mathematical topics and skills development in IM 1-3 and prepares students for mathematics courses required in either STEM and non-STEM majors.

0820 \* Offered at Hillcrest and Norte Vista

## Mathematical Studies IB SL

Mathematical Studies IB SL is a one year course for IB Diploma Candidates to take in their eleventh or twelfth grade year. This course emphasizes reading, interpreting and solving given problems using appropriate mathematical terms; formulating a mathematical argument and communicating it clearly; recognizing patterns and structures in a variety of situations, and making generalizations; recognizing and demonstrating an understanding of the practical applications of mathematics; demonstrating an understanding of both the significance and the reasonableness of results; interpreting a mathematical concept then using a graphic calculator to perform the necessary operations; displaying practical uses of mathematics aligned in our California State Standards.

0908 \*



## Statistics

This course is an introduction to the study of statistics and probability. Students will learn how to collect, analyze, and draw conclusions from data. Specific topics in statistics will include tables and graphs (frequency tables, histograms, line and bar graphs, stem and leaf displays, and box and whisker plots), univariate statistics (mean, median, mode, variance, standard deviation, and skewness), and bivariate statistics (correlation, line fitting and least squares).

2110 \*^ Hillcrest, La Sierra

## Trigonometry/Pre-calculus

This is a year college preparatory course that blends together all trigonometric concepts and skills and vigorous analysis of algebraic functions and their graphs that must be mastered prior to enrollment in a college-level calculus class. Some topics include solutions of triangles, complex numbers, polar coordinates trigonometric and other functions and their graphs, vectors, mathematical induction, conic sections, parametric equations, and limit concepts. Calculus topics may include differentiation, integration, applications of each. Graphing calculator use is emphasized.

2102 \*^  
0957 Honors

## AP Calculus A/B

This course provides high achieving students with an advanced study in mathematics and the opportunity of earning college credit in mathematics on the high school campus. Included in this course is the study of functions, limits and methods of differentiation and integration with applications.

2112 \*^

## AP Calculus B/C

This course covers differentiation and Integral Calculus Techniques and their applications. Also included are; polynomial approximations and the study of a series. Graphing calculator use will be emphasized. This course is for high achieving students who have completed Algebra and Geometry before entering the ninth grade.

2108 \*^





## AP Statistics

This course is equivalent to an introductory statistics class in college, and offers the opportunity of earning college credit upon successfully passing the AP exam. It provides the student with knowledge of the language and method of statistics. The topics studied in the course revolve around three main themes of statistics; collecting, organizing, and interpreting data.

2109 \*^

## AP Computer Science A

Computer Science A (CSA) builds on the basic skills learned in Computer Science Principles (CSP) to teach students authentic Android™ app development. Students in this course continue to hone their communication and collaboration skills while learning to use a variety of tools. The primary goal of the course is to create independent-thinking app developers; every unit in this course builds on students' prior knowledge and skills until they are able to complete an app development cycle independently from the ground up.

0935CT (Hillcrest)

## AP Computer Science Principles

Students work in teams to develop computational thinking and problem solving skills. The course covers the College Board's new CS Principles framework. The course does not aim to teach mastery of a single programming language but aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. The course also aims to build students' awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. Each unit focuses on one or more computationally intensive career paths. The course also aims to engage students to consider issues raised by the present and future societal impact of computing.

Students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Problems aim for ground-level entry with no ceiling so that all students can successfully engage the problems. Students with greater motivation, ability, or background knowledge will be challenged to work further.

0932CT (Hillcrest) \*



## American Government

This semester course takes an in-depth look at the foundations of American government, the Constitution and Bill of Rights, and the democratic process. Students will examine how political parties and interest groups work; the roles of the executive, legislative and judicial branches; and the responsibility of federal, State, and local government.

1631, 1631AG, 1631BA, 1631IS, 1631OL, 1631PL, 1631PC \*^  
 1631PD Special Education  
 0562 Health Academy (La Sierra) \*^

## Economics

This course will enable the student to use economic concepts in a reasoned, careful manner in dealing with the personal, community, and national economic issues students confront or will confront.

1731, 1731AG, 1731BA, 1731IS, 1731OL, 1731PC, 1731PL \*^  
 1731PD Special Education  
 0564 Health Academy (La Sierra) \*^

## United States History

This course examines major turning points in United States history in the twentieth century. Specific themes are emphasized: the expanding role of the federal government and federal courts; the continuing tension between the individual and the state; change in the ethnic composition of American society; the movements toward equal rights for racial minorities and women; and the role of the United States as a major world power.

1582, 1582BA, 1582GC, 1582PC, 1582PL \*^  
 1582PD Special Education  
 0561 Health Academy (La Sierra) \*^  
 0414/0415 (Alvord Continuation) \*^

## Modern World History

This course is a survey of world culture and world history, with an emphasis on modern history from late eighteenth century to the present. Current world issues are discussed with focus on the expansion of the west and the growing interdependence of people and cultures throughout the world.

1540, 1540GC, 1540PC, 1540PL \*^  
 1540PD Special Education  
 0857 Health Academy (La Sierra) \*^  
 0855/0856 (Alvord Continuation) \*^



## Honors Geography

Students entering Honors Geography will be guided towards a better understanding of their surroundings and the interactions that occur between the many peoples and environments around the world. Through an understanding of these interactions, students will learn concepts ranging from social justice, equality, and most importantly empathy. The class will focus on the fundamentals of geography, which include absolute location, as well as the contemporary issues related to that location. Other issues such as map reading, map and data interpretation and analysis will also be emphasized. The class will look at a basic understanding of the earth's physical systems and the role that they play in human populations and movement.

0955 (Norte Vista) \*^

## World Geography

This course allows students to understand their surrounding from a local and global perspective. It emphasizes the importance of specific world locations as well as the representations of the cultures of those locations. The course also allows insight into the many peoples of the world.

1505

## Geography IB Standard Level

The intention of IB Geography SL is for the students to develop an understanding of the concepts of differing geographical hemispheres and varying cultural phenomena that surrounds them. Students will be asked to be open-minded inquirers who examine how each society establishes their own unique identity within our world community. Furthermore, students will be asked to demonstrate a clear understanding of the relationships between people and the environments which they choose to be a part of and the reasoning behind those choices, whether they be physical, social, political, or economic. With the understanding of these varied societies comes the need to recognize the humanistic concepts of social justice, equality, respect for others, and empathy. An overarching goal of the course is to assist students to recognize the relevance of geography to contemporary world issues.

0906 (Norte Vista) \*^

## History of the Americas IB HL2

This course is a survey of world culture and world history, with an emphasis on modern history from late eighteenth century to the present. Current world issues are discussed with focus on the expansion of the west and the growing interdependence of people and cultures throughout the world.

0907 (Norte Vista) \*^



## Psychology

This course is a basic, introductory psychology course oriented toward the college-bound student. The course surveys the history of psychology with special emphasis upon the study of well-known psychologists. In this course there is an emphasis on human behavior and mental processes with a specific concentration on human concept, coping strategies and personal growth.

7116 \*^

## Sociology

The purpose of this course is to study man in social groups. Students will learn about similarities and differences among cultures. The class will focus on basic institutions of society and the nature of social class. Students will investigate the variety and scope of social problems in the United States such as poverty, discrimination, suicide and aging.

7117 \*^

## AP Economics

This is a year-long course comprising macroeconomics. It is an opportunity to study the workings of the theories behind the policies that shape the global marketplace. Topics analyzed include markets and trade, supply and demand money, banking, monetary policy, and the role of government.

1735 (Hillcrest, Norte Vista) \*^

## AP European History

The course is an extensive study of Europe from the High Renaissance (1450) to the recent past. Topics include the intellectual cultural, political, diplomatic, social, and economic history of Europe. Advanced Placement exam is given in May.

1555 \*^

## AP Government

This course is offered as a year-long class. The American political system is examined from its foundation to the present. The course will develop an understanding of the function of the levels of government, the democratic process, and contemporary issues. Throughout the course, the role of the individual and the ideals of American democracy will be emphasized. The Advanced Placement Exam is in May.

1635 \*^



## Social Science

**AP Psychology**

AP Psychology is designed to introduce the students to the systematic study of human behavior and experience through study of the major perspectives in this field. Students will gain an understanding of the methods used in development and verification of these theories based on human and animal behavior. The course is designed to prepare the student for the Advanced Placement Examination in Psychology.

7115 (Hillcrest, La Sierra) \*^

**AP United States History**

This course will survey American history from 1492 to 1992 with an emphasis from 1750 to 1992 with a study of major themes and an emphasis on interpretation and analysis. Areas included will be American chronology and geography, the historical development of democratic institutions, social and economic growth and change, character and values of our nation's cultural and ethnic diversities and significant individuals' contributions to the development of the American nation. Advance Placement Exam is in May.

1592 \*^

## Science

**Anatomy/Physiology**

This course is an in-depth survey of the systems of the body. This course will emphasize the interrelatedness of the body systems, along with memorization and dissection skills in human anatomy and physiology. It includes five hours of lecture and lab weekly for forty weeks. Mastery of topics covered will require considerable preparation outside the classroom. Labs will include, but not be limited to: blood pressure and pulse measurements, respiratory rate lab, nervous system reflex and senses lab, and cat dissections.

3072 \*^

3071 Academy (La Sierra) \*^

**Biology of the Living Earth**

This course integrates earth science into standard biology concepts from a phenomenon-based approach. It is aimed at building a solid foundation in biology, integrating an intensive laboratory component that consists of both classroom labs and practical field studies, and building student competency in science practices and cross cutting concepts. Student-centered laboratory activities will emphasize the process of inquiry and critical thinking. Students will apply their knowledge of Disciplinary Core Ideas to various real-world phenomena. Earth and space science concepts will be incorporated at logical points in the curriculum to enhance student learning. Students will view these phenomena through the lenses of the crosscutting concepts, such as Energy and Matter (ecology, biochemistry) or Structure and Function (cells and mitosis and cancer). Students will demonstrate their knowledge in use through their engagement in the Science and Engineering Practices during hands-on activities and labs.

3800, 3800GC, 3800PL, 3800PC \*

3800PD Special Education

3800H Honors \*

Key

\* meets A-G requirements

^ meets NCAA requirements



## Biology of the Living Earth IB Standard Level

The IB Diploma Program biology standard level course covers the relationship of structure and function at all levels of complexity. Students learn about cell theory, the chemistry of living things, plant structure and growth, and the difference between genes and alleles, among many other topics, to further their understanding of and learning about biology. Throughout this challenging course, students become aware of how scientists work and communicate with each other. Further, students enjoy multiple opportunities for scientific study and creative inquiry within a global context.

0923 (Norte Vista) \*^  
3800IL

## Biology of the Living Earth IB Higher Level 2

The purpose of the Biology IB HL 2 curriculum is to provide students with a clear path toward the knowledge of principles, methods and techniques required for investigation into the scientific world around us. To accomplish this, students must gain a disciplined mind toward scientific investigation and rigorous study using technology, statistics and learning methods consistent with the international science society. This course is based upon the California Science Framework and includes the California Content Standards. In addition, Biology IB HL 2 maintains strict adherence to the guidelines set forth in the Vade Mecum (IB program guide). This course meets both the University of California and the California State University entrance requirements.

0901 (Norte Vista) \*^  
3800IB

## Principles of Biomedical Sciences

The Principles of Biomedical Science (PBS) course provides an introduction to biomedical science through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems.

3059 Honors (La Sierra) \*



## Biomedical Innovation PLTW

In the capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local businesses and healthcare community.

*Prerequisites: Principles of Biomedical Science, Human Body Systems, Medical Interventions.*

3060 Honors (La Sierra) \*

## Chemistry

This class provides an opportunity for students to learn the fundamental concepts of chemistry in preparation for college, as well as to enable them to acquire laboratory skills and an appreciation for the placement of chemistry in their lives.

3540, 3540GC, 3540PL \*^

0563 Health Academy (La Sierra) \*^

0959 Honors (Hillcrest, La Sierra) \*^

## Conceptual Physics

Throughout the seven units, students' learning outcomes of the course include the skills and knowledge needed to research and publish coursework by utilizing Google platform and its apps. In this course, students execute laboratory activities, complete in-depth projects, succeed in a variety of assessments and verbally and in writing explain the knowledge and skills. Seven common formative and summative assessments are administered periodically to assess student mastery of the standards among seven units: science and motion; force laws and gravity; momentum and collisions; energy; thermodynamics; waves; and electromagnetism. By the end of the course students will have explored how the laws of physics describe the observable phenomena in the world and be able to explain these processes using academic vocabulary of Conceptual Physics. Furthermore, students learn how to convert their observations into the language of physics by describing cause and effect and predict outcomes and building models and prototypes for engineering challenges which demonstrate their mastery of physics concepts.

0359, 0359PC (Hillcrest) \*^



## Earth Science

This course is a comprehensive analysis of planet Earth, Earth's place in the Universe, and the energy relationships that influence all living and non-living things on the planet. Basic design of the curriculum for this course follows the California High School Earth Science Content Standards. Although not a lab course, students will spend a significant portion of time participating in hands-on activities. Introductory principals of astronomy and Earth sciences will be explored, including the solar system, cosmology, oceanography, plate tectonics, energy, biogeochemical cycles, the atmosphere, meteorology, and seismology. Special attention is paid to the state of California and the unique history of the state from a science perspective. The most statistically proven, innovative methods of teaching are employed, including SDAIE strategies, Kagan strategies in cooperative learning, and hands-on activities to ensure the best possible comprehension and retention for a wide range of student profiles. Hands-on activities will be based on the California Science Content Standards as delineated in the California Science Framework.

3506, 3506PC \*^

3506PD Special Education

0364/0365 (Alvord Continuation) \*

## Human Body Systems PLTW

In the Human Body Systems (HBS) course, students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, and often play the role of biomedical professionals to solve medical mysteries.

*Prerequisite: Principles of Biomedical Science*

0931CT Honors (La Sierra) \*

## Physical Science

An introductory course to basic concepts of physical science which includes the study of physics, chemistry, and earth science.

3533 (Alvord Continuation) \*





## Medical Interventions PLTW

Medical Interventions (MI) allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. A “How-To” manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios students will be exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions; reinforce concepts learned in the previous two courses, and present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcased across the generations of the family and will provide a look at the past, present, and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role that scientific thinking and engineering design play in the development of interventions of the future.

*Prerequisites: Principles of Biomedical Science, Human Body Systems*

3058 Honors (La Sierra) \*

## Physics

This is a college preparatory course utilizing a pre-college level textbook and laboratory manuals. Student independent research is an integral part of this course. Students will be expected to complete outside reading and homework assignments on a daily basis.

3562 (La Sierra, Norte Vista) \*^

## Physics IB Standard Level

This course is a survey of the principle ideas of physics, focusing on physical measurement, classical mechanics, thermodynamics, waves and optics, electrical current, forces and fields, atomic and nuclear physics, energy and climate change, astrophysics, and radio communication. The focus of the program will be on both the physical laws of the universe and the practical application of these laws and the role of technology in today’s international community. Infused throughout the program will be considerations of the moral, social, and environmental aspects of science and technology. The international and cross cultural aspects of the both the historical development and the technological applications of physics will be emphasized throughout the course.

0909 (Norte Vista) \*^



## Health

Health education provides students with basic knowledge and specific skills upon which to build healthy behaviors. Health instruction provides the student with learning experiences to empower them to engage in and value the importance of healthy lifelong practices.

There are nine content areas of health instruction which integrate physical, mental / emotional and social well-being to impact the whole individual. The content areas include: personal health and fitness, consumer and community health, injury prevention and safety, tobacco, alcohol and other drugs, nutrition education, environmental health, family living, individual growth and development, and communicable and chronic diseases. Prevention is a major strategy in health instruction. Students are informed of career opportunities.

8011, 8011OL, 8011PC  
8011PD Special Education

## AP Biology

This course is a lecture-based class with the labs included in the AP curriculum. This class will be taught at a college freshmen level and requires much independent work by students. Topics include: structure and functions of cells, tissues and organs; systems of classification; human anatomy and physiology; ecology and technological advancements.

3070 (Hillcrest, La Sierra) \*^

## AP Environmental Science

Designed to be equivalent to a one-semester college-level course. Incorporates both physical and biological sciences in the study of the environment. Topics include the interdependence of the earth's systems, human population dynamics, renewable resources, environmental quality, global changes and consequences, environment and society, and choices for the future.

3045 (Hillcrest) \*^

## AP Physics

Designed to be equivalent to a one-semester college-level course. Topics include the principle ideas of physics, thermodynamics, waves and optics, the physical laws of the universe and the practical application of these laws. The technological applications of physics will be applied to today's community.

3498 (Hillcrest) \*^



## Agriculture Mechanics 1

This course is designed for students interested in learning in a hands-on environment. The course will focus on the safety operation and utilization of equipment used in the basic maintenance of homes, farms, and shops. The course will cover basic agriculture mechanics skills in the areas of shop and facility safety, tool use and safety and shop safety, measurements, fasteners, oxyacetylene welding, arc welding, metalworking, woodworking, rope work, project design, concrete and masonry, plumbing & irrigation, electrical systems, equipment operation and maintenance and small engine operation, maintenance and repair.

0539, 0539PL (Norte Vista) \*

## Agriculture Mechanics 2

This advanced course is designed for students to continue to expand their interest in learning in a hands-on environment. The course will expand on the safety operation and utilization of equipment used in the basic maintenance of homes, farms, and shops. The course will expand on agriculture mechanics skills in the areas of shop and facility safety, tool use and safety and shop safety, measurements, fasteners, oxyacetylene welding, arc welding, metalworking, woodworking, rope work, project design, concrete and masonry, plumbing & irrigation, electrical systems, equipment operation and maintenance and small engine operation, maintenance and repair.

0538 (Norte Vista)

## Agriculture Science

This course includes fundamentals of Plant and Animal science, forestry, soils, water, basic chemistry, record books, student projects, communication skills, research projects, aquaculture, hydroponics, entomology, and small animal projects. Introductory course for Agriculture department.

3051 (Norte Vista) \*



## Art/History of Floral Design

This course provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flowers, tile, and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop and appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by society, culture, history, politics, and economic influence. Various assignments based on abstract two and three dimensional designs, historical culture and theory, color theory, and analytical critiques of various floral art works using design vocabulary in conjunction with development of technical skills in floral art will serve as a foundation for more complex works such as multi-part floral designs and creative expression through wedding consultations.

0547, 0547OL, 0547PL (Norte Vista) \*

## Plant and Soil Science

The course will cover the basic fundamentals of physical science and our natural resources with emphasis on landscape fundamentals, forestry, land use and wildlife, growing plants and proper use in landscape design. Students are encouraged to have plant projects in the school greenhouse.

3535, 3535AG, 3535PC (Norte Vista) \*

## Sustainable Agriculture – A Biological Approach to Industry

Sustainable Agriculture is designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. Within each unit, specific life science principles will be identified with agricultural principles and practices guiding the acquisition of this knowledge, culminating in the development of a sustainable farm model and portfolio of supporting student research.

3050 (Norte Vista) \*



## American Sign Language 1

This course will teach basic signs, grammar, fingerspelling, and the cultural aspects of deafness. Students will learn basic communication as well as song signing. Total participation is mandatory in order to properly learn the language. Activities will include but not be limited to: working in pairs or groups, role playing, skits, songs, and presentations. In addition to written homework, students are expected to study/practice the language outside the classroom on a daily basis. Students will also be required to complete a book report and attend one out-of-class function. This course is aligned to standards provided by the American Sign Language Teachers Association.

4145 (Hillcrest) \*^

## American Sign Language 2

This course will teach a continuum of signs, grammar, fingerspelling, and the cultural aspects of deafness. Students will continue to learn communication as well as song signing. Total participation is mandatory in order to properly learn the language. Activities will include but not be limited to: working in pairs or groups, role playing, skits, songs, and presentations. In addition to written homework, students are expected to study/practice the language outside the classroom on a daily basis. Students will also be required to complete a book report and attend one out-of-class function per semester.

4146 (Hillcrest) \*^

## American Sign Language 3

This course teaches vocabulary, ASL idioms, fingerspelling, the cultural aspects of being Deaf and ASL linguistics including phonology, morphology, and syntax. Students learn communication, storytelling, and basic interpretation between ASL and English. Students develop receptive skills, delivery skills, and skills in reading and writing the specialized written modalities of ASL called Glossing. Utilizing the Google Drive platform, students will create a Digital Portfolio of their signed presentations to demonstrate their skills progress and development.

4147 (Hillcrest) \*^

## American Sign Language 4

Enhances and builds upon vocabulary, fingerspelling, American Sign Language (ASL) grammar and syntax, and improves the fine motor skills that produce advanced level ASL skills. Advanced level receptive and expressive signing skills and vocabulary will be acquired. A more in-depth study of Deaf Culture and its rich history and challenges will be presented. Students will know how, when, and why to say what to whom.

4148 (Hillcrest) \*^



## French 1

This course emphasizes developing the students' comprehension of the spoken language. Students are given opportunities to speak at the appropriate level. Vocabulary specific to basic survival situations is developed, such as socializing, exchanging information, and expressing preferences.

4002, 4002OL (La Sierra, Norte Vista) \*^

## French 2

This course further develops the receptive skills of listening and reading as well as the productive skills of speaking and writing. Vocabulary includes topics beyond basic needs, involving such functions as describing, expressing opinions, and persuading.

4012 (La Sierra, Norte Vista) \*^

## French 3

This course further develops skills in listening, reading, and writing sufficient to allow for spontaneity and access to authentic material. Vocabulary includes special interest topics and areas well beyond basic survival skills.

4022 (La Sierra) \*^

## French IB Standard Level

This course focuses on language acquisition and development of the receptive skills (reading and listening) and productive skills (speaking and writing). Acquisition requires interacting with a range of materials related to Francophone cultures. Mastery of skills involves processing, comparing and analyzing the way language is used to produce a message. The purpose of French IB SL is to begin to challenge students to reach a reasonable level of linguistic competence in order to use French comfortably and effectively in personal and professional settings, for further study, or for careers.

0904 Norte Vista \*^

## French IB Standard Level 2Y

This course focuses on further language acquisition and development of the receptive skills (reading and listening) and productive skills (speaking and writing). Acquisition requires interacting with a range of materials related to Francophone cultures. Mastery of skills involves processing, comparing and analyzing the way language is used to produce a message. The purpose of French IB 2 is to continue to challenge students to reach a reasonable level of linguistic competence in order to use French comfortably and effectively in personal and professional settings, for further study, or for careers.

0905 (Norte Vista) \*^



## Spanish 1

This course emphasizes developing the students' comprehension of the spoken language. Students are given opportunities to speak at the appropriate level. Vocabulary specific to basic survival situations is developed (socializing, exchanging information, expressing preferences, etc.)

4102, 4102BA \*^

## Spanish 2

This course further develops the receptive skills of listening and reading as well as the productive skills of speaking and writing. Vocabulary includes topics beyond basic needs, involving such functions as describing, expressing opinions, and persuading.

4112 \*^

4113 Academy (La Sierra) \*^

## Spanish 3

This course further develops skills in listening, reading and writing sufficiently to allow for spontaneity and access to authentic material. Vocabulary includes special interest topics and areas well beyond basic needs.

4122 (Hillcrest, La Sierra) \*^

## Spanish for Native Speakers 1

This course develops the foundational skills of reading and writing in Spanish for those students who already have the ability to speak and understand oral Spanish in order for these students to be able to continue towards the ultimate goal of language fluency. Provides students with the opportunity to thoroughly practice and master the goals outlined in Stage I of the California Language Learning Continuum and introduces students to the goals outlined in Stage II of the California Language Learning Continuum. Vocabulary, grammar and culture are taught as needed to support learning objectives. Course instruction is in Spanish.

4142 \*^

## Spanish for Native Speakers 2

This course develops the foundational skills of reading and writing in Spanish for those students who already have the ability to speak and understand oral Spanish in order for these students to be able to continue towards the ultimate goal of language fluency. Level 2 Spanish provides students with the opportunity to thoroughly practice and master the goals outlined in Stage II of the California Language Learning Continuum and introduces students to goals outlined in Stage III of the California Language Learning Continuum. Vocabulary, grammar and culture are taught as needed to support learning objectives. Course instruction is in Spanish.

4143 \*^



## Spanish IB Standard Level

The Spanish IB SL curriculum continues to enhance the skills that have been previously acquired in the pre-IB years, (2-3 years of experience). The focus of this course is to further develop the students' written and oral conversational skills through the development of the four primary language skills: listening, speaking, reading and writing. All four will be developed for the purposes of work, social interaction and the discussion of abstract ideas. These skills are taught and developed through the study of a range of authentic oral and written texts, such as debates, discussions, and oral presentations in either individual or group settings. Also, opportunities will be given for students to interview each other as well as additional native speakers from the community, so that they may participate in a more holistic immersion into the nuances of the language.

0913 (Norte Vista) \*^

## Spanish IB Standard Level 2Y

The focus of this course is to further develop the students' written and oral conversational skills through the development of the four primary language skills: listening, speaking, reading and writing. All four will be developed for the purposes of work, social interaction and the discussion of abstract ideas. These skills are taught and developed through the study of a range of authentic oral and written texts, such as debates, discussions, and oral presentations in either individual or group settings. Also, opportunities will be given for students to interview each other as well as additional native speakers from the community, so that they may participate in a more holistic immersion into the nuances of the language. A continued cycling through the materials begun in Spanish IB SL will allow students to gain greater access to the curriculum through a simulation of immersion into the culturally relevant components of the culture.

0912 (Norte Vista) \*^

## Spanish IB Higher Level 1

The focus of this course is to further develop the students' written and oral conversational skills through the development of the four primary language skills: listening, speaking, reading and writing. Ultimately, this course differs from the SL line of studies in that HL requires the student to reach a level of excellence tantamount to the studies of the language in a native country. All four areas of communication will be developed for the purposes of work, social interaction and the discussion of abstract ideas. In short, the purpose of this course includes, but is not limited to: developing oral fluency, comprehending authentic texts, commenting on text meaning and content orally and in writing and developing aural comprehension on a high standard.

0910 (Norte Vista) \*^





## Spanish IB Higher Level 2

The focus of this course is to further develop the students' written and oral conversational skills through the development of the four primary language skills: listening, speaking, reading and writing. All four areas of communication will be developed for the purposes of work, social interaction and the discussion of abstract ideas. In short, the purpose this course includes, but is not limited to: developing oral fluency, comprehending authentic texts, commenting on text meaning and content orally and in writing and developing aural comprehension on a high standard.

0911 (Norte Vista) \*^

## AP French Language

Advanced French students considering pursuing language studies can refine their skills in preparation for college work and receive college credit for completing this rigorous course and obtaining a passing score on the AP test. Emphasis is on developing the student's comprehension of the spoken language at a near native-like level. Vocabulary includes special topics, as well as from cultural and literature-based sources. Grammar training allows for formation of longer, compound and complex sentences. Oral and written description and narration complement the mastery of the above.

4033 (La Sierra) \*^

## AP Spanish Language

Course is designed for native speakers and advanced Spanish students considering pursuing language studies. Emphasis is on developing the student's comprehension of the spoken language at a near native-like level. Vocabulary includes special interest topics, as well as topics from cultural and literature-based sources. Grammar training allows for formation of longer, compound and complex sentences. Oral and written description and narration complement the master of above.

4132 (Hillcrest, La Sierra) \*^

## AP Spanish Literature

Native speakers and advanced Spanish students can receive college credit in Spanish Literature by completing prescribed coursework and obtaining a passing score on the AP Exam. Emphasis is on reading, analysis and discussion of Latin American and Spanish Literature in Spanish. The student will also develop critical thinking skills and be given the opportunity to increase self-esteem and pride in culture and language.

4133 (Hillcrest, La Sierra) \*^



## Physical Education

P.E. is a planned sequence of instructional experiences related to skills, knowledge and understanding of human movement. The eight units of study in P.E. 1 are Conditioning and Fitness, Aquatics, Team Sports, Gymnastics, Rhythm and Dance, Combative, and Outdoor Education. Units incorporate a fitness focus in accordance with the state framework grade level theme. At the end of this course students will be able to develop a personal lifelong fitness plan.

2701, 2703 (Norte Vista)  
2699 (Hillcrest, La Sierra)

## Advanced Dance

This course is designed for the advanced dance student. Students will work to enhance their abilities, knowledge, talents, and creativity as dancers, performers, and choreographers. Emphasis will be placed on choreography and performance. Students will gain choreography and performance experience by participating in community events, school events, and competitions. Students work on increasing flexibility and technique through stretching and conditioning.

2743 (La Sierra)

## Jazz Dance

This course will study various genres of dance including ballet, jazz, lyrical, modern, and ballroom dancing. Each unit will focus on technique and movement development as well as dance vocabulary and creative expression.

2732 (La Sierra)

## Sports

The following sports are offered: Baseball, Basketball, Cross-Country, Football, Golf, Soccer, Softball, Swimming, Tennis, Track, Volleyball, Water Polo, Cheer and Wrestling. Students must try out for a sport and maintain a 2.0 GPA with no more than one F. A current physical exam is required.

## Strength & Conditioning

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training, and conditioning. This course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

2755 (Hillcrest, La Sierra)



## Advanced Band

This course provides instruction in musical concepts along with technical instruction on a band instrument. Students will rehearse as an ensemble receiving instruction on techniques and concepts of musical performance. Students will perform at various functions during and after school hours as designated by the instructor.

7052 (La Sierra, Norte Vista) \*

## Advanced Band Winds

This course provides instruction in musical concepts along with technical instruction on a band instrument. Students will perform at various functions during and after school hours as designated by instructor.

7053 (Hillcrest) \*

## Ceramics

This introductory course provides an opportunity to explore the various artistic possibilities of clay. Students are allowed to create and express ideas of their own while creating ceramic forms. The students will demonstrate an awareness of the aesthetic qualities of clay and design in their work and will demonstrate understanding of clay, glazing, and firing as the course progresses.

6032 (La Sierra, Norte Vista) \*

## Advanced Ceramics

This course will explore advanced techniques and surface design concepts and develop an advanced understanding of ceramic-pottery techniques. The course will identify and comprehend historical and contemporary perspectives on art works in clay and related media. Students will create works of art relating to cultural and background heritage. Students will gain experience working more independently using the teacher as one of many resources.

6033 (La Sierra, Norte Vista) \*

## Beginning Chorus

Students will receive instruction on the basic fundamentals of music theory along with training in vocal performance. Students will also be involved in concert performances during or after school hours as designated by the instructor.

7002 (Hillcrest) \*



## Three Dimensional Art & Design

This course is an intermediate course which allows experienced art students further develop their art skills and perceptions within the three dimensional (3D) art field. Throughout the course, students experience a variety of established 3D art concepts, art movements, and artists that contribute to a comprehensive view of the wide scope of 3D art and its affect to their contemporary environment. Additionally, this course provides students with a learning opportunity to enrich their lives with a deeper understanding and appreciation of art and design principles that surrounds their contemporary 3D life. Targeting on meeting the a-g's "f" requirements through rigours curriculum and instuction of Visual and Performing Arts, this course's critical areas are organized into units by deepening and extending understanding through units and its key assignments of projects. The units include the following: introduction to the 3D Art and Design, elements and principles of 3D art, history of sculpture/3D design, skethcbook, paper cutting with Notan, abstract wire sculpture, surrealist sculpture, soft sculpture, subtractive styrofoam, paper mache mask, and diorama art. Understanding and gaining proficiency in 3D Art and Design, students reinforce and practice 21<sup>st</sup> Century skills of communication, collaboration, critical thinking, creativity, and construction of new knowledge in art making that develop their knoweldge and skills capacity to be college and career ready.

6021 (Norte Vista) \*

## Art Lab

This course involves extended time for experimentation with materials and techniques. Emphasis is placed on personal development in an independent environment. Additional time is allowed to perform objectives of primary course and to develop an appreciation for personal style and originality.

6042 (Alvord Continuation)

## Color Guard

This class is required for all students participating in marching band as color guard members. Students will learn basic to intermediate dance twirling and flag technique.

2727 (La Sierra)

## Concert Band

7011 (Norte Vista)



## Concert Choir

This course further refines and masters the techniques of vocal music. The students will perform in concert activities or vocal competitions during or after school hours as designated by the instructor. Instruction is given in the theory of music, along with opportunities in vocal music and training in developing the voice as an instrument of music. *Prerequisite: Permission of instructor or one year of Chorus (performance may be required).*

7010 (Hillcrest, Norte Vista)

## Beginning Drama

This course will allow students to experience dramatic elements, actions, and characterizations through the use of both verbal and nonverbal skills. Students will develop an appreciation and understanding of the theatre as a cultural, educational and entertaining medium. Units center around individual and group performances for the development of sensory awareness, stage presence, voice, body movement and language, and self-discipline. No previous experience necessary.

6052 \*

## Intermediate Drama

This course develops an appreciation for the theatre in its various forms by exploring social, political, economic, and technological events which have influenced its development. This course will develop confidence in the student and begin to prepare him/her psychologically for public performing. Students will study movement, sensory and emotional awareness, rhythm, mime, pantomime, readers' theatre, oral interpretation, beginning video techniques, and storytelling.

*Prerequisite: One year of Beginning Drama, 2.0 GPA or permission from instructor.*

6062 \*

## Advanced Drama and Video Production

This course will apply basic concepts of movement, music, art, video technology and technical theatre in directed scenes and/or productions for student and/or public audiences. The course will teach a knowledge of and appreciation for drama/theatre/film and video production. The course is developed to provide an opportunity for creative expression and a system of aesthetic valuing of drama/theatre/video and film productions. The course will enable students to share knowledge and talents through projects and presentations.

*Prerequisite: Two years of drama, 2.0 GPA or permission of instructor.*

6072 \*



## Jazz Band

Students will receive instruction in commercial styles of music, music theory and career opportunities pertaining to their instruments in an ensemble situation. Students will also be involved in performances during or after school hours as designated by the instructor including marching performances combined with the other bands.

7062 (La Sierra, Norte Vista) \*

## Marching Band

Students will receive instruction in musical concepts along with technical instruction on a band instrument. Students will rehearse as an ensemble, receiving instruction on techniques and concepts of musical performances. Students will perform in marching and concert activities, such as parades, football games, concerts, festivals and competitions during and after school as designated by the instructor.

2728 (La Sierra, Norte Vista)

## Technical Theater

This course consists of a basic study of set construction, stage lighting, costuming, make-up, sound, and theatre management with the emphasis on practical construction procedures and design techniques. Each area of study will consist of a historical and theoretical overview, basic study and development of the practical skills needed, and the basic design fundamentals and techniques utilized in the field. The students will prepare the technical aspects of school productions and events in order to apply their studies to a realistic theatre situation.

6082 \*

## Visual Arts 1

This course introduces students to drawing, painting, and three dimensional works. The course uses the media of pencil, charcoal, pen and ink, and brush and wash. Contents will include the history of drawing and the variety of techniques including seeing, interpreting and visually drawing. Art history, color theory and art criticism are also introduced.

6006 \*

## Visual Arts 2

This course continues to introduce students to drawing, painting, and three dimensional works and includes concepts in applied art, art history, and portfolio creation.

6007 \*



## Visual Arts 3

This course continues to introduce students to drawing, painting, and three dimensional works and includes concepts in applied art, art history, and portfolio creation.

6008 (La Sierra, Norte Vista) \*

## Visual Arts IB Standard Level

Visual Arts IB SL is a one-year course designed for students taking part in the IB program. This course enables students to engage in practical exploration, artistic production and internationalism. In addition, the course will include independent contextual, visual and critical investigation, with option A students focusing more on the former and option B students on the latter. The course is designed to enable students to study visual arts in higher education and also welcomes those students who seek life enrichment through visual arts. The process will provide the knowledge, aims, assessment criteria and the specific requirements that are outlined in the IB Course Guide and syllabus, leading students to an appreciation of visual arts within the students' own culture as well as other cultural contexts. The major focus of this course of study will be in creating quality art that depicts a clear understanding of the aesthetic, critical, technical, historical and cultural concepts inherent in the arts found in today's international society.

900 (Norte Vista) \*

## Visual Arts IB Higher Level 1

Visual Arts IB HL 1 is the first year of a course for IB Diploma Candidate students to take part in as part of their IB program options. This course enables students to engage in practical exploration, artistic production and internationalism. In addition, the course will include independent contextual, visual and critical investigation, with option A students focusing more on the former and option B students on the latter. The course is designed to enable students to study visual arts in higher education and also welcomes those students who seek life enrichment through visual arts.

0915 (Norte Vista) \*

## Visual Arts IB Higher Level 2

Visual Arts IB HL 2 is the second year of a course for IB Diploma Candidate students to take part in as a part of their IB program options. This course will enable students to engage in practical exploration, artistic production and internationalism. In addition, the course will include independent contextual, visual and critical investigation, with option A students focusing more on the former and option B students on the latter. The course is designed to enable students to study visual arts in higher education and also welcomes those students who seek life enrichment through visual arts.

0916 (Norte Vista) \*



## Visual and Performing Arts

### AP Studio Art

Designed for advanced and self-motivated individuals. Students will put together a portfolio of twenty-four works. They will explore a variety of mediums and create a twelve-piece series to send to the College Board in an attempt to earn college credit for a beginning art course.

*Prerequisite: 1 year Art with a "B" or better, and permission from instructor.*

6030 (Hillcrest, La Sierra) \*

## English Language Development

### English Language Development

ELD courses offer standards-based instruction in reading and language arts. The program is designed for English learners to develop their growth in language and literacy. Students are concurrently enrolled in an appropriate language arts course.

1493/1495/1496

1494/1491 Lab

## Electives

### Associated Student Body

Admission to this course is dependent upon election to a class office, an A.S.B. executive office, or an A.S.B. Commissioner's post. Students will comprise the executive branch of the school's constitutional student government.

8615





## AVID

AVID is a four-year program designed to prepare students for post-secondary education. In addition to teaching students study skills, AVID seminars provide students with skills in note-taking, library research, test-taking, and time-management along with preparation for college entrance/placement examinations.

8627 AVID 1 \*

8628 AVID 2 \*

8629 AVID 3 \*

8630 AVID 4

## AVID Senior Seminar

This course follows the weekly structure of the AVID courses with two days of teacher led instruction, two days of tutorials, and one day allocated for guest speakers, mini-courses taught by college instructors, and visits to colleges, museums, art galleries or drama productions. A research based component is required for students to include this course as a part of the "G" requirement for UC and CSU.

8626 \*

## AVID Tutor

Students are able to serve as tutors for AVID students. They typically tutor students in the core academic courses, especially math. Students may receive community service as part of this course. A letter grade is awarded.

*Must have permission of AVID Coordinator.*

8329 S1

8330 S2

## California Cadet Corps

This course is an applied leadership program conducted within a military framework and is designed to provide maximum growth and leadership opportunities for cadets and stresses six objectives: develop leadership skills; enhance academic achievement; foster good citizenship; promote patriotism; provide basic military knowledge; and encourage health, wellness and fitness.

2791 Year 1 (La Sierra)

2792 Year 2 (La Sierra)

2793 Year 3 (La Sierra)

2794 Year 4 (La Sierra)



## Creativity, Activity, Service/Ext Essay IB

IB CAS/EE is a mandatory course for all students that wish to complete the IB Diploma. Through individualized and group meetings, students are guided through the process of completing all requirements related to this area of the IB Diploma. While the CAS component focuses more on the student as an active learner in the community, EE focuses more on the student as an academic researcher. The goal in both cases is that the IB Diploma Candidate explores the various things that are most essential to growth as a member of an academic community.

0921 (Norte Vista)

## Community Service

Students may earn up to 10 elective credits during the four years of high school by completing a maximum of 150 hours of service in a non-profit organization.

*See your guidance counselor for further information.*

9032 (La Sierra, Norte Vista)

## Freshman Focus

Freshman Focus is a required elective class for ninth grade students. Students will develop basic study, organization and social responsibility skills to assist in high school academic success. This course will assess and develop basic reading, writing, speaking, and listening skills that students need to succeed. Students will study a variety of books and materials and participate in activities designed to develop and practice strategies needed to succeed in school. Course content may be altered to help all students achieve success in meeting state criteria for graduation from high school

8009, 8009GC, 8009PC, 8009PL  
8009PD Special Education

## PALS

Peer assistance leadership training is a powerful resource that promotes the well-being of the peer helpers, those being helped, and the school and community as a whole. Peer assistance leadership is based on the premise that effectively trained and motivated people have the ability to positively influence the attitudes and behaviors of their peers. Students will be trained in peer assistance leadership skills and given the opportunity to serve the student body as P.A.L.'s.

8625 (La Sierra, Norte Vista)



## Electives

**Renaissance Counsel**

The goal of this course is to teach students the philosophies and the strategies of Renaissance. Students will study leadership, character and organizational skills to enhance their efforts in developing Renaissance on their campus.

9022 (Hillcrest, Norte Vista)

**Study Skills**

This course requires students to use a variety of materials and assignments to integrate course content and practice of basic study skills. Course content includes critical thinking skills, reading skills, test-taking, research, listening and social responsibility skills. Course content may be offered to meet the needs of each student.

IEP required.

5515

5515PD Special Education

5020

2637

**Teaching Assistant/Office Assistant**

Students may assist a teacher or an office in various tasks such as filing, delivering passes, organizing paperwork, etc. This student receives a pass/fail grade and may earn a maximum of 10 credits during their four years of high school. Good attendance is required.

8310

**Chicano Studies**

This course is an interdisciplinary study of Chicano culture. It will study the major developments in history, government, education, sociology, literature, art, film, music, theater, language, and folklore of Mexico and the Southwest. It encompasses the Pre-Columbian period to the present day.

0536 \*

**Yearbook**

This course will provide students with instruction in basic principles of layout, design and marketing. Students will produce and sell the school yearbook, chronicling the events of the school year.

7110 \*



## Accounting

This course focuses on the principles of the double-entry accounting system and introduces computerized accounting applications. This course will provide the student with the theoretical and practical skills necessary for gaining entry level employment in an office.

2202, 2202OL (Alvord Continuation, La Sierra)

## Administrative Specialist

This course is designed to prepare students for careers in business support services: Receptionist, Administrative Office Assistant, Data Entry Clerk, and Business Records Management.

5104 (La Sierra)

## International Business Studies

This course provides an overview of International Business activities and the economic, cultural, and political environment of global business; coverage of international business topic, including selecting a business structure and importing and exporting procedures, foreign exchange, legal agreements, and small business management; provides an overview of organizing for international business, including managing, human resources, career planning and labor; an overview of information and production systems of business; and overview of international marketing, including product development, pricing distribution activities, and promotional strategies.

4535 (La Sierra)

## Keyboarding/Word Processing

This course increases keyboarding speed and accuracy on the computer. Production of various correspondence, as well as tabulations will be emphasized. Text-editing skills, block moving, merging, and file management will be taught.

4530 (Alvord Continuation)

## Virtual Enterprise

This course has been developed to teach students the practical skills of business entrepreneurship and career readiness by linking students together in a global business network as they explore and simulate the steps and skills necessary to operate a business. A simulated working environment, equipped with the latest business technology allows students and teachers to enter the virtual business world in the pursuit of global business skills through project based instruction.

2148 (Hillcrest, La Sierra)

**Business Technology****Web Design**

This course will cover web browsers, web design, web addresses, E-Mail transmission and receipt, and Netiquette. Through this course, students will critically examine and evaluate the web design characteristics of various sites. Using what they have learned through this evaluation process, students will create a number of web pages from single to multiple page products. Students will also create individual websites using formatted text, hyperlinks, lists, images, tables frames and forms. Software that will be used in this course may include Dreamweaver for webpage design, Flash for animation and Fireworks and/or Photoshop for image creation and manipulation.

5081 (Hillcrest)

**Consumer and Family Studies****Child Development**

This course will help students learn how families nurture children, apply the problem-solving process to avoid teen pregnancy, understand prenatal development and factors affecting healthy prenatal development and identify principles of child growth and development in infants and toddlers.

5562, 5562OL (Alvord Continuation, Norte Vista)

**Creative Living**

This Comprehensive Core course is designed to provide students with hands-on activities in the areas of child development, clothing and textiles, and food and nutrition. This course can lead students on a high school pathway to fulfilling careers in some of California's largest growing industries.

8004 (Alvord Continuation)

8007 (Alvord Continuation)

**Family Living**

5592 (Alvord Continuation)

**Consumer and Family Studies****Foods & Nutrition 1**

This year course is designed to acquaint the student with principles of food and nutrition. These principles will include basic concepts of food preparation, nutrition and health, safety and sanitation, etiquette, kitchen organization, and food preparation terms and techniques.

5533 (La Sierra, Norte Vista)

**Foods & Nutrition 2**

This course is designed to acquaint the student with principles of food and nutrition. These principles will include basic concepts of food preparation, nutrition and health, safety and sanitation, etiquette, kitchen organization, and food preparation terms and techniques.

5534 (La Sierra, Norte Vista) \*



## Introduction to Computer Aided Drafting & Design

In this first year introductory course, students use a computer, computer software and peripheral devices to create images or drawings in the design and production of objects. Students present information graphically through two dimensional, three dimensional, orthographic, architectural and illustration drawings. Students create and produce objects through the use of printers, a laser cutter and 3D printers. Although the majority of the class focuses on graphic or pictorial production, students integrate mathematic, scientific, verbal and written skills learned in academic courses. Students are exposed to career discovery through video, discussion, internet research/survey and reflective assignments. Successful completion of this first year course prepares the student for Computer Aided Design and Drafting 2-Engineering Design and/or Computer Aided Design and Drafting-Architectural Design.

5110 (Hillcrest)

## Computer Aided Drafting & Design 2

This second year course is an in depth study of the language of engineering graphics. Students use a computer, computer software and peripheral devices to create images or drawings in the design, documentation and production of an object. Students present information graphically through two dimensional, three dimensional, orthographic, sectional, auxiliary, geometric dimensioning and tolerancing and illustration drawings. Students learn a parametric engineering design program used in industry. Students work cooperatively to learn the concept of "reverse engineering" in order to create and produce complex objects through the use of printers, a laser cutter and 3D printers. Students integrate mathematic, scientific, verbal and written skills learned in academic courses for the purpose of producing high end drawings and objects. Students are exposed to career discovery through video, discussion, internet research/survey and reflective assignments. Successful completion of this second year course prepares the student for Computer Aided Design and Drafting 3-Architectural Design and/or Computer Aided Design and Drafting 4-Animation. It also meets the articulation agreement with Riverside Community College to skip the first engineering course-Engineering 21 .

5111 (Hillcrest)

## Computer Aided Engineering Design and Prototyping 3

In this concentration course, students will work as part of a race team to develop an energy-efficient urban vehicle. Students will work cooperatively with industry partners, as well as mentor engineers. Students will identify an issue or problem and use the engineering design process, research, design, build, test, and present their solution to a team of peers, faculty, and mentor engineers to develop a portfolio of their work. Students will analyze data acquired and create a formal review and recommendations document that will be made available to the following year's students.

5112 (Hillcrest)



## Computer Aided Drafting & Design 4 – Animation

Students use a computer, computer software and peripheral devices to create 3D solid models in the design, documentation and production of an object. Students create digital animations that present various cross-curricular topics. Students create and produce objects through the use of printers, a laser cutter and 3D printers. Students use a 3D scanner to import digital representation of objects to be animated. The majority of the class focuses on 3D solid modeling and animation. Students integrate mathematic, scientific, verbal and written skills learned in academic courses. Students are exposed to career discovery through study trips, guest speakers, video, discussion, internet research/survey and reflective assignments. Successful completion of this sequential series of courses provides students with the technical skills necessary to transition into a community college or university engineering, architecture or animation degree.

5113 (Hillcrest)

## Digital Electronics - PLTW

In this course, students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies. Students are immersed in design as they investigate topics such as sustainability, mechatronics, forces, structures, aerodynamics, digital electronics and circuit design, manufacturing, and the environment, which gives them an opportunity to learn about different engineering disciplines before beginning post-secondary education or careers. From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

0933CT (Hillcrest) \*

## Game Design One

In this course students learn the fundamentals of computer programming and analytical skills throughout the year-long course via games and computer applications. Through designing games, students learn the basics of programming like coding, team coding, input/output, the use of variables, operators, conditional statements, looping, nesting and logical thought. The course makes strong connections to mathematical and scientific reasoning. In programming, students must be precise and use trial and error to get the desired results. Students develop effective habits of mind by practicing standards for Mathematical Practices and Scientific Engineering Practices.

5215 (La Sierra)





## Introduction to Engineering Design

In this course, students dig deep into the engineering design process, applying mathematics, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and document their work in an engineering notebook. Students gain proficiency and mastery of following concepts: design process, technical sketching and drawing, measurement and statistics, modeling skills, Geometry of design, reverse engineering, documentation, advanced computer modeling, design team, and design challenges.

0593 (Hillcrest) \*

## Principles of Engineering

This course provides engineering learning opportunities through problems that engage and challenge. Students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation). In this course, students learn about roles of engineers and how engineering technologists apply math, science, and discipline-specific skills to solve problems. At the same time, they explore how engineering and engineering technology careers offer creative job opportunities for individuals with a wide variety of backgrounds and goals. This course focuses on four big units: Energy and Power, Materials and Structure, Control Systems, and Statistics and Kinematics. Students gain proficiency and mastery of following concepts: energy and power and its mechanisms, energy sources, energy applications, design problems of energy and power, materials and structures and its statics, material properties, material testing, design problems of materials and structures, control systems of machine control, fluid power, design problems of control systems, statistics, and kinematics.

5095 (Hillcrest) \*

## Wood 1

This course introduces the student to the basic tools and techniques in woodworking. After completing safety instruction, including satisfactory scores on safety tests, the student is assigned a wood project as a first requirement. During the course of the semester, students are given instruction in other aspects of wood technology, such as: joinery, fasteners, finishing, designing and preparing material lists. Students then gain expertise with a variety of power tools such as the radial arm saw, band saw, jointer, planer, and table saw.

5001, 5001GC (Norte Vista) \*



## Industrial Technology

### Wood 3

This course teaches the use of machine tools in furniture construction and repair. Normal and special set-ups on machines will be taught. Each student will plan, design, and complete with machine and hand tools some piece of furniture. Safety will always be stressed. Subsequent projects will be planned by students and might include the use of one or more woodworking machines, as well as special set-ups or operations.

5022 (Norte Vista)

## Career Technical Education

### Culinary Management

This course offers a unique blend of management training with culinary training for high school students. Students with previous Culinary Arts experience will take part in developing management techniques used in an on-campus restaurant. Students will use information technology tools specific to restaurant management to gain an understanding of supervision. Students will participate in activities to develop leadership and teamwork skills while collaborating with others. Students will gain an understanding of professional ethics and legal responsibilities while solving a variety of problems using critical thinking skills.

7577 (La Sierra)

### Advanced Retail

This standards-aligned course explores professional sales concepts more deeply. Students learn to access and use marketing information to enhance sales activities and opportunities; and complete a strategic plan that includes establishing individual and company sales goals to guide activities of sales staff. The instructional program prepares students to perform marketing and management functions and tasks associated with operating a retail business in a variety of on-site, student enterprises, such as a student store.

7517 (Hillcrest)



## Auto Beginning

This class is designed to teach students about the automotive industry, automotive systems, and vehicle maintenance. These policies are designed around the safety of the students and what they can expect when employed at a dealership, repair facility, or in any other automotive related career. The classroom and lab policies are designed to mirror common business practices.

7501 (Norte Vista)

## Auto Maintenance and Repair I

Students will learn to use diagnostic equipment to find operational faults and learn to perform light maintenance procedures for multiple types of automobiles.

7502 (Norte Vista)

## Auto Maintenance and Repair II

Students will advance their knowledge in Automotive Services and Repair. Students will learn to use diagnostic equipment to find operational faults and learn to perform light maintenance procedures for multiple types of automobiles.

7506 (Norte Vista)

## Auto Maintenance and Light Repair III

This course is designed to prepare students for entry-level employment in the automotive service industry. Instruction includes both theory and lab experiences. Course training prepares the student for entry-level employment as an automotive technician helper, engine assembler helper, accessory installer, et al. This course is articulated with MSJC and RCC, students may receive 3 units if the course is passed with a B or better letter grade, pass the final with a 70% or better, and complete the enrollment process for either college.

7508 (Norte Vista)

## Business Computer Fundamentals

In this course, students will be introduced to elements of computer application systems. Students will understand how to properly utilize a variety of computer applications and enhance their understanding of computers.

7512 (La Sierra)



## Construction Tech

This course introduces the student to the basic tools, techniques, and processes of the construction industry. House framing/construction will be learned through model making and full scale projects. During this course, students will be given instruction in all aspects of home construction from site preparation through foundations, framing, roofs, and interiors. Students will gain expertise with a variety of hand and power tools.

7633, 7633GC (Norte Vista)

## Construction Tech 2

This course introduces the student to the basic tools, techniques, and processes of the construction industry. House framing/construction will be learned through model making and full scale projects. During this course, students will be given instruction in all aspects of home construction from site preparation through foundations, framing, roofs, and interiors. Students will gain expertise with a variety of hand and power tools.

7628 (Norte Vista)

## Culinary Lunch

This course is a community classroom. It is a hands-on class that allows students that may be credit deficient or wish to get ahead the opportunity to make up elective credits. Students must be enrolled in culinary arts or culinary management class to register to work in the Eagle's Nest Café during lunch. This allows students additional time to enhance their skills with hands on training while earning credits outside of the regular classroom day. It is a variable credit course.

7573 (La Sierra)

## Culinary Arts

This program prepares students with entry-level skills that will enable them to seek employment in institutional, commercial or independently owned food establishments or other food and hospitality industry occupations. Instruction includes such topics as: safety and sanitation, side work and customer service skills including cash handling; use of commercial equipment and food preparation. Students will develop these skills in an on campus-based restaurant.

7569 (La Sierra)



## Creative Digital Media

This course includes looking at art and studying the process of art creation in various subjects and mediums throughout history. Students will be taught the importance of art as a means of expression and communication and the way art impacts society and culture. Basic elements of art and principles of design will be taught as a foundation for creating artworks by hand and digitally.

7505 (Norte Vista)

## Digital Film Production I

This course is a course designed to address entertainment, marketing, and communications. Students will learn various skills, including camera operation, sound design, and storytelling elements that can help students succeed in an increasingly digital workforce.

7000 (Norte Vista)

## Digital Film Production II

This course offers students the opportunity to gain a profound knowledge of the television and film production industries, its history, and the careers involved. Students will become knowledgeable of the inner workings of on-screen talent through the development and performance scripts. Students will gain further technical training in the design and critique of motion graphics and pictures and understand the psychological impact digital media may have on the audience.

7001 (Norte Vista)

## Digital Imaging

This course focuses on creation and production of high-quality computer generated imagery. Students receive training in state-of-the-art industry software utilized in the creation of contemporary digitalized media. Hands-on interactive lessons provide a broad foundation and working knowledge of illustration, photographic, and layout software. Students are provided the opportunity to express their individual creativity while implementing principles associated with respected graphic design and visual communication techniques. Course content emphasizes the use of computer and electronic technology as a tool for creating commercial digitized media. Emphasis is placed on empowering students with knowledge of the employment potential in the various pathways of digitized media.

7504 (Hillcrest) \*



## Hospital Occupations

This course is designed to prepare students for entry-level employment in the hospital and/or community setting. Emphasis is placed on those skills required of a health care worker in various departments of an acute care hospital setting or specific health care facility. Students will receive CPR training.

7525 (La Sierra)

7622 (Health Academy)

## Retail

This course is designed to prepare students for employment in the retail industry. Based on industry standards, students will study and demonstrate the following: safety, cashiering, buying and ordering, merchandising, customer service, loss prevention, career preparation, career path, retail sales & marketing, promotional mix and business knowledge. Students will receive hands-on training through managing and operating Student Store.

7542 (Hillcrest, La Sierra)

## ROP Store (Retail Merchandising and Principles of Marketing)

This course prepares students to master marketing foundations and apply these principles to the characteristics of various types of retail environments; and provides opportunities to perform marketing practices and tasks in a variety of on-site, student enterprises, such as a student store and the principles of marketing. The course curriculum's community-classroom component is designed for on-campus student enterprise operations, facilitating student skill development in a variety of retail operational areas, including analyzing products, consumers, marketing research, target marketing and global perspective, cashiering, cash handling, sales events and promotion, inventory control, and strategic market planning. This class examines the role of marketing as it relates to society and economic development. The course will analyze product, consumer, marketing research and strategic market planning. The course will survey with a global perspective, the selection of target markets as well as the development of the marketing mix – place, product, price, and promotion.

7623 (Norte Vista)



## ROP Store Lunch (Retail Merchandising for Student Store)

This standards-aligned course covers the principles of retail selling. The course curriculum prepares students to master marketing foundation and applies these principles to the characteristic of various types of retail environments; and provides opportunities to perform marketing practices and takes in a variety of on-site, student enterprises, such as student store. The course curriculum's community-classroom component is designed for on-campus student enterprise operation, facilitating student skill development in a variety of retail operation areas, including cashiering, cash handling, sales events and promotion, inventory control, and general merchandising and strategic market planning.

7516 (Hillcrest, Norte Vista)

## Hospitality Community Class

This course is designed to build student's knowledge of the hospitality industry. This course will introduce students to a virtual 500 room in which they will take over management. The simulation will include the operations of: restaurant, culinary, banquet, meeting, housekeeping, and financial reports. Students will support their learning by being placed in the industry three days a week for on-the-job training to reinforce the skills that they have developed in the classroom.

5560 (La Sierra)

## MultiCraft Core Curr

This course has been developed to integrate skills and concepts from the Building and Construction Trades with applied mathematics and English. As a natural progression, students will apply the craft skills required to design and build a variety of scaled structures that meet current code requirements. In addition, students will make real-world connections between construction, math, and English using written projects, construction documents that include creating blueprints, project packets, and student-centered construction projects. This course provides students the opportunity to apply academic knowledge and technical skills through a hands-on curriculum that meets pre-apprenticeship requirements for the National Building Trades Council.

0930CT (Norte Vista)

## CTE Cyber Literacy 1

Cyber Literacy is a hands-on curriculum that builds a strong cyber foundation for high school students. This program nicely complements the IM STEM series courses that utilize the C programming language to drive and control the robots. The course introduces students to cyber by blending robotics, programming, electricity, and elements of liberal arts. Students will learn about the opportunities, threats, responsibilities, and legal constraints associated with operating in cyberspace. Throughout the course, students learn the basics of electricity, programming, and networking as well as develop critical thinking skills. Cyber Literacy lays a foundation for further exploration into STEM and Cyber related topics.

0940CT (La Sierra) \*







# CAREER TECHNICAL EDUCATION SECTORS AND PATHWAYS

**ALVORD USD**  
**CAREER&TECHNICAL**  
**EDUCATION**

*Learning that works*



## What is Career Technical Education (CTE)

Career Technical Education (CTE) prepares students to be college and career ready by providing core academic skills, employability skills and technical, job-specific skills. (actonline.org). Today's cutting-edge, rigorous and relevant Career Technical Education prepares youth for high-wage, high-skill, high-demand careers in established and emerging industries.

CTE students gain pathway-specific TECHNICAL and ACADEMIC skills as well as cross-cutting EMPLOYABILITY skills for success in any workplace, in further education and in career awareness and planning. CTE inspires and motivates students to develop many of the skills that employers most need across jobs and industries.

## What is an industry sector?

Alvord offers programs in industry sectors that are tied to the local economic and business needs of the surrounding community. These sectors are periodically reviewed and updated based on local needs. Each industry sector is broken up into different pathways that focus on a specific aspect of that industry.

## What is a pathway?

A CTE pathway is a sequence of two or more CTE courses within a student's area of career interest. Pathways are designed to connect high school classes to college, industry certifications, and/or a career.

CTE pathways are made up of introductory, concentrator and capstone courses. In order for a student to receive the full benefit of the courses and complete the pathways, all courses within the pathways must be completed.

## What pathways are offered at Alvord?

Alvord offers a variety of pathways that meet the needs of our students and the local business community.



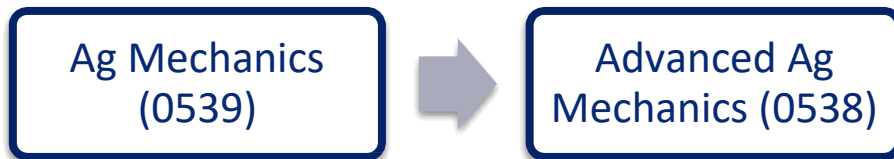
## Agriculture and Natural Resources Sector

The Agricultural and Natural Resources industry sector is designed to provide a foundation in environmental issues. Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in three pathways. The pathways emphasize real-world, occupationally relevant experiences of significant scope and depth in Business, Agriscience, Animal Science, Forestry and Natural Resources, and Plant and Soil Science. Integral components of classroom and laboratory instruction, supervised experiential projects, and leadership and interpersonal skills development prepare students for continued training, advanced educational opportunities, or entry to a career.

### Agricultural Mechanics (101)

*Offered at Norte Vista High School*

#### Courses:



### Agriscience Pathway (102)

*Offered at Norte Vista High School*

The Agriscience pathway helps students acquire a broad understanding of a variety of agricultural areas, develop an awareness of the many career opportunities in agriculture, participate in occupationally relevant experiences, and work cooperatively with a group to develop and expand leadership abilities. Students study California agriculture, agricultural business, agricultural technologies, natural resources, and animal, plant, and soil sciences.

**Sample occupations associated with this pathway:** Research Assistant/Associate, Water Quality Specialist, Plant Scientist, Agriscience Teacher, Entomologist

#### Courses:





## Ornamental Horticulture Pathway (105)

*Offered at Norte Vista High School*

The Ornamental Horticulture pathway prepares students for careers in the nursery, landscaping, and floral industries. Topics include plant identification, plant physiology, soil science, plant reproduction, nursery production, and floriculture, as well as landscaping design, installation, and maintenance.

**Sample occupations associated with this pathway: Florist/Floral Designer, Landscape Design/Architect, Hydroponics Grower, Botanical Specialist, Nursery/Greenhouse Manager**

### Courses:

The Art/History of  
Floral Design  
(0547)



Advanced Floral  
(0548)



## Arts, Media, and Entertainment Sector

Of all the career industries, the Arts, Media, and Entertainment sector requires perhaps the greatest cross-disciplinary interaction because the work in this sector has a propensity to be largely project-based, requiring both independent work and interdependent management skills for career success. New technologies are also constantly reshaping the boundaries and skill sets of many arts career pathways. Consequently, core arts-sector occupations demand constantly varying combinations of artistic imagination, metaphoric representation, symbolic connections, and technical skills. Successful career preparation involves both broad and in-depth academic and technical preparation as well as the cultivation of twenty-first-century skill assets, such as flexibility, problem-solving abilities, and interpersonal skills. Careers in the Arts, Media, and Entertainment sector fall into four general pathways: Design, Visual, and Media Arts; Performing Arts; Production and Managerial Arts; and Game Design and Integration. The anchor and pathway standards make explicit the appropriate knowledge, skills, and practical experience students should have in order to pursue their chosen profession, whether that profession requires postsecondary education, graduate training, or apprenticeship. Learning the skills and knowledge for creating, refining, and sharing work in the Arts, Media, and Entertainment industry sector promotes teamwork, communication, creative thinking, and decision-making abilities—traits that are necessary to function successfully in the competitive and media-rich twenty-first century. Through the manipulation of sight, sound, and motion, those choosing a pathway from this sector reach out in unique ways to enhance the quality of life for those around them.

### Production and Managerial Arts (113B)

*Offered at Norte Vista High School*

This pathway offers students the opportunity to gain a profound knowledge of the television and film production industries, its history, and the careers involved. This occurs through visual presentations, insightful analysis of film through reflective critiques, and by creating visual entertainment and thought-provoking media. Students will also become knowledgeable of the inner workings of on-screen talent through the development and performance of scripts. Students will gain further technical training in the design and critique of motion graphics and pictures as well as understand the psychological impact this digital media will have on their audience.

### Courses:





## Building and Construction Trades Sector

This sector provides a foundation in the Building and Construction Trades industry for secondary students in California. Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in the Building and Construction Trades industry. The sector encompasses four career pathways: Cabinetry, Millwork, and Woodworking; Engineering and Heavy Construction; Mechanical Systems Installation and Repair; and Residential and Commercial Construction. These pathways emphasize processes, systems, and the way in which structures are built. The knowledge and skills are acquired in a sequential, standards-based pathway program that integrates hands-on, project-based, and work-based instruction. Standards included in the Building and Construction Trades sector are designed to prepare students for technical training, postsecondary education, and entry to a career.

### Cabinetry, Millwork, and Woodworking (120)

*Offered at Norte Vista High School*

The Cabinetry, Millwork, and Woodworking pathway provides learning opportunities for students interested in preparing for careers in cabinet construction, millwork, finish carpentry, and furniture making for both production and custom products.

**Sample occupations associated with this pathway:** Cabinetmaker, Cabinet Installer, Woodworking Machinery Operator, Custom Millwork Project Estimator, Woodworking Engineer/Drafter (CAD)

#### Courses:



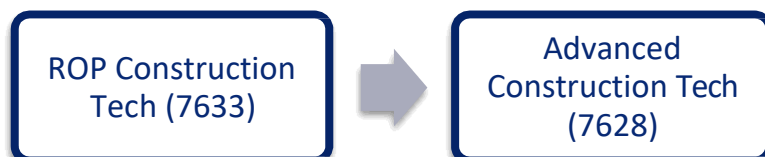
### Residential and Commercial Construction (123)

*Offered at Norte Vista High School*

The Residential and Commercial Construction pathway provides learning opportunities for students interested in preparing for careers in construction and building design, performance, and sustainability. The standards focus on the manner in which residential and commercial structures are designed and built. The pathway includes instruction in the way in which these structures are built (Class B California License).

**Sample occupations associated with this pathway:** Plumber, Electrician, Building Inspector, Estimator, Carpenter

#### Courses:





## Business and Finance Sector

Persons trained in fields such as business management, international trade, and various financial services specialties (e.g., accounting, banking, and investing) will find that their skills are highly marketable. Students master basic business principles and procedures before proceeding to the career path specializations. The specializations emphasize concepts of accounting and finance, including computer applications, taxes, investments, and asset management as well as pathways in international business and business management. Because almost every business and organization has a financial and management component, students will find that opportunities exist in many career paths in addition to those in business and finance.

### Business Management Pathway (182)

*Offered at La Sierra High School*

Management consists of planning, leading, and controlling an organization or effort to accomplish a goal. In the Business Management pathway, students learn entrepreneurship and business fundamentals, goal-setting, resource allocation, organizational structure and management techniques, economics, financial data, risk management, information technology, and supply chain management.

**Sample occupations associated with this pathway: Human Resources Specialist, Education Administrator, Purchasing Agent, Office Manager, Chief Financial Officer**

#### Courses:



*This is a year-long, 2 period course which places students in an off-site internship.*

*Prerequisites: International Business Studies, ROP CIS*



## Engineering and Architecture Sector

This sector is designed to provide a foundation in engineering and architecture pathways and occupations for students in California. Students are engaged in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and career preparation in a pathway that emphasized real-world occupationally relevant experiences of significant scope and depth. To prepare students for continued training, advanced educational opportunities, and direct entry to a career the Engineering and Architecture programs offer the following components: classroom, laboratory, and hands-on contextual learning; project- and work-based instruction; and leadership and interpersonal skills development.

### Architectural Design (150)

*Offered at Hillcrest High School*

The Architectural Design pathway provides learning opportunities for students interested in preparing for careers in such areas as architecture, industrial design, and civil engineering.

**Sample occupations associated with this pathway: Drafter, Architect, Structural Designer, Building Department Plan Examiner, City Planner**

### Courses:







## Health Science and Medical Technology Sector

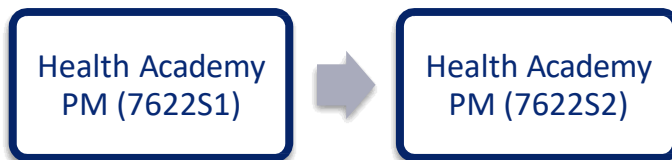
The standards in this sector represent the academic and technical skills and knowledge students need to pursue a full range of career opportunities in health science and medical technology, from entry level to management as well as technical and professional career specialties. The standards describe what workers need to know and be able to do to contribute to the delivery of safe and effective health care. The six career pathways are grouped into functions that have a common purpose and require similar attributes. The pathways are Biotechnology, Patient Care, Health Care Administrative Services, Health Care Operational Support Services, Public and Community Health, and Mental and Behavioral Health. Standards for each career path build on and continue the anchor standards with more complexity, rigor, and career specificity.

### Patient Care Pathway (198)

*Offered at La Sierra High School*

The standards for the Patient Care pathway apply to occupations or functions involved in the prevention, treatment, and management of illness and the preservation of mental and physical well-being through the services offered by the medical and allied health professions. The standards specify the knowledge and skills needed by professional and technical personnel pursuing careers in this pathway.

**Sample occupations associated with this pathway:** Kinesiotherapist, Nurse Anesthetist, Respiratory Therapist, Radiologic Technician, Dental Hygienist



*This is a 2 period, year-long course that places students in an off-site internship.*

### Biotechnology Pathway (196)

*Offered at La Sierra High School*

The standards for the applications of the Biotechnology pathway relate to occupations and functions relevant for understanding and solving biomedical problems and creating products to improve the quality of human life. The standards represent knowledge and skills necessary to succeed in diverse careers in this pathway.

**Sample occupations associated with this pathway:** Clinical Trials Research Coordinator, Forensic Pathologist, Biostatistician, Geneticist Lab Assistant

### Courses:



*Pre-requisites: Principles of Biomedical Science PLTW, Human Body PLTW.*



## Hospitality, Tourism, and Recreation Sector

The Hospitality, Tourism and Recreation sector provides students with the academic and technical preparation necessary to pursue high-skill, high-demand careers in these related and growing industries. The sector encompasses three distinct, yet interrelated, career pathways: Food Science, Dietetics, and Nutrition; Food Service and Hospitality; and Hospitality, Tourism and Recreation. The standards are designed to integrate academic and career technical concepts. The anchor standards include Consumer and Family Studies comprehensive technical knowledge and skills that prepare students for learning in the pathways. The knowledge and skills are acquired within a sequential, standards-based pathway program that integrates hands-on projects, work-based instruction and leadership development such as that offered through FHA-HERO, the California affiliate of Family, Career and Community Leaders of America (FCCLA). Standards in this sector are designed to prepare students for technical training, postsecondary education and entry to a career.

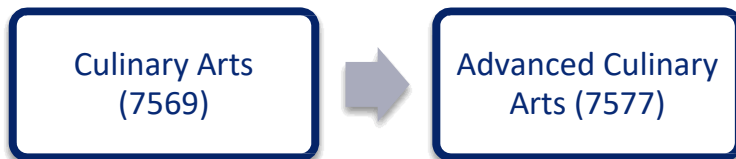
### Food Service and Hospitality Pathway (201)

*Offered at La Sierra High School and Norte Vista High School*

The Food Service and Hospitality pathway focuses on the key aspects of the industry. Students pursuing this career pathway have in-depth, hands-on experiences that emphasize industry awareness; sanitation and safe food handling; food and beverage production; nutrition; food service management; and customer service.

**Sample occupations associated with this pathway: Food Expeditor, Restaurant Manager, Banquet and Catering Director, Research Chef, Executive Chef**

### Courses:





## Information and Communication Technologies Sector

Information and Communication Technologies (ICT) have expanded the need for employees who can understand, manage, and support all rapidly emerging, evolving, and converging computer, software, networking, telecommunications, Internet, programming, and information systems. Essential skills for careers in the ICT sector include understanding systems that support the management and flow of data, the ability to work well and communicate clearly with people, and the ability to manage projects efficiently. The ICT sector meets national criteria for high demand, high wages, and high skills and provides students with excellent opportunities for interesting work and good pay. More than 70% of jobs in this sector will require a bachelor's degree or higher by 2018.

### Software and Systems Development Pathway (174)

*Offered at Hillcrest High School*

Students in the Software and Systems Development pathway prepare for careers related to computer science that involve the design, development, implementation, maintenance, and management of systems that rely on software programs to satisfy the operational needs of modern business organizations. Persons with expertise in systems development and programming are critical to support operations like electronic commerce, medical records management, retail sales and inventory management, digital entertainment, and use of energy.

**Sample occupations associated with this pathway: Computer Programmer, Software Developer/Applications, Information Security Analyst, Web Developer, E-Business/E-Commerce Specialist**

#### Courses:





## Manufacturing and Product Development

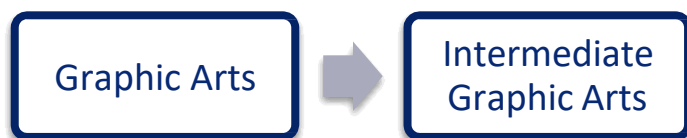
The Manufacturing and Product Development sector provides a foundation for secondary students in California in manufacturing processes and systems, including graphic design production, machine tooling and forming, welding and materials joining, and product innovation and design. Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in four pathways. The pathways emphasize real-world, occupationally relevant experiences of significant scope and depth in manufacturing. The knowledge and skills are acquired within a sequential, standards-based pathway program that integrates hands-on, project-based, and work-based instruction. Standards in this sector are designed to prepare students for entry to a career, postsecondary education, or advanced technical training.

### Graphic Production Technologies (210)

*Offered at Hillcrest High School*

This pathway provides a foundation for students in manufacturing processes and systems, including graphic design production and product innovation and design. The pathway will emphasize real-world, occupationally relevant experiences of significant scope and depth in manufacturing. The knowledge and skills are acquired within a sequential, standards-based course of study that integrates hands-on and project-based instruction. The courses in this pathway are designed to prepare students for entry to a career, postsecondary education, or advanced technical training.

#### Courses:





## Marketing, Sales, and Services Sector

The Marketing, Sales and Services sector is designed to align career-path course work with current and projected employment opportunities. There is a basic business foundation in this sector: marketing and innovation are two major competitive issues for business today. Marketing includes the processes and techniques of identifying, promoting, and transferring products or services to consumers and is a function of almost every business. It exists within an environment of rapidly changing technology, interdependent nations and economies, and increasing demands for ethical and social responsibility. The pathways in this sector emphasize training to meet the growing need for marketing professionals with skills in communication, small business, self-employment, advertising, marketing strategies, product and service management, and promotion and selling concepts. These pathways provide a firm foundation for advanced education, entry to a career, and success in the global marketplace. All industry sectors include entrepreneurship and marketing, and therefore students in the Marketing, Sales and Services sector and have a variety of career options.

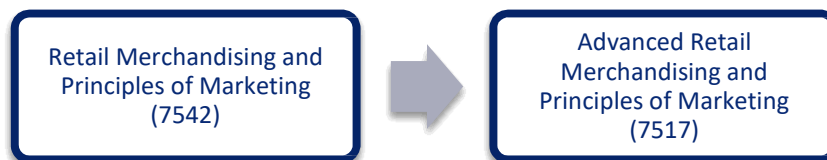
### Marketing (244)

*Offered at Hillcrest High School and Norte Vista High School*

Using both creative and systems processes, develop marketing concepts and principles and their practical application in marketing and management. Subject matter includes market research, economics, marketing budgets, creative development and design, and marketing foundations/functions with emphasis on public relations, advertising, branding, promotion, product/service management, pricing and distribution. Specialized programs of study in this field may include sports marketing, hospitality marketing, advertising or market research.

**Sample occupations associated with this pathway: Advertising Account Representative, Advertising Sales Manager, Market Research Analyst, Marketing Manager, Public Relations Specialist,**

### Courses:





## Transportation Sector

This sector is designed to provide a foundation in transportation services for all industrial technology education students in California. There are eight focus areas that fall under the Transportation sector, each with different career opportunities. The focus areas are On-Road; Off-Road; Stationary; Rail; Water/Sea; Air; Space; and Small Engines and Specialty Equipment. The pathways in the Transportation sector emphasize real-world, occupationally relevant experiences of significant scope and depth in three areas: Operations, Structural Repair and Refinishing, and Systems Diagnostics, Service, and Repair. The standards are designed to integrate academic and technical preparation and focus on career awareness, career exploration, and skill preparation in the three pathways. Integral components include classroom, laboratory, and hands-on contextual learning; project- and work-based instruction; and leadership development. The standards in this sector prepare students for continued training, postsecondary education, and entry to a career.

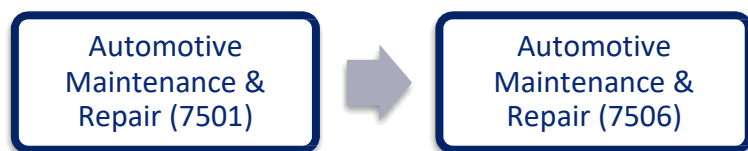
### Systems Diagnostics, Service, and Repair Pathway (221)

*Offered at Norte Vista High School*

The Systems Diagnostics, Service, and Repair pathway prepares students for postsecondary education and employment in the transportation industry, which includes but is not limited to motor vehicles, rail systems, marine applications, and small-engine and specialty equipment.

**Sample occupations associated with this pathway: Service Technician/Maintenance Worker/Shop Foreman, Technical Writer, Dispatcher, Engineer, Investigator/Inspector**

#### Courses:



# ARTICULATED COURSES

**NORCO**  
COLLEGE

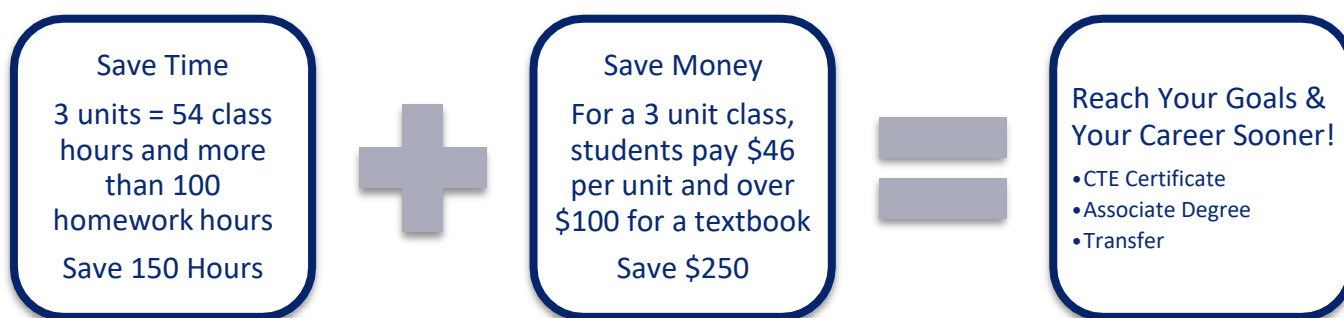




## What is Articulation?

Articulation is a process that allows students to receive a letter grade, along with the unit value of the college course, on their college transcript for high school courses. The credit appears on a student's college transcript with the same letter grade they received in their high school class. Active articulation agreements must be in place between the student's high school and an RCCD college at the time the student was enrolled in the high school class.

Articulation allows students to meet prerequisite course requirements before they get to college, saving them TIME. Since there is no cost to take an articulated course at their high school, students also save MONEY. These advantages allow students to advance more quickly toward their goal of a certificate, degree, or transfer. Students can earn up to 16 college units through secondary articulation.



Please note that credit will only be awarded to students who complete an articulation application. This is a voluntary process, once credit is placed on student's transcripts it will not be removed. Students have up to four academic years in which to request articulated credit.

See RCCD academic advisor for process on applying for articulation credit.





## Articulated Courses

### Accounting Principles

- Articulated with Norco College
- Offered at La Sierra

### Anatomy & Physiology

- Articulated with Norco College
- Offered at Hillcrest, La Sierra, Norte Vista

### Computer Aided Design & Drafting

- Articulated with Norco College
- Offered at Hillcrest High School

### American Sign Language 2

- Articulated with Riverside City College
- Offered at Hillcrest

### American Sign Language 3

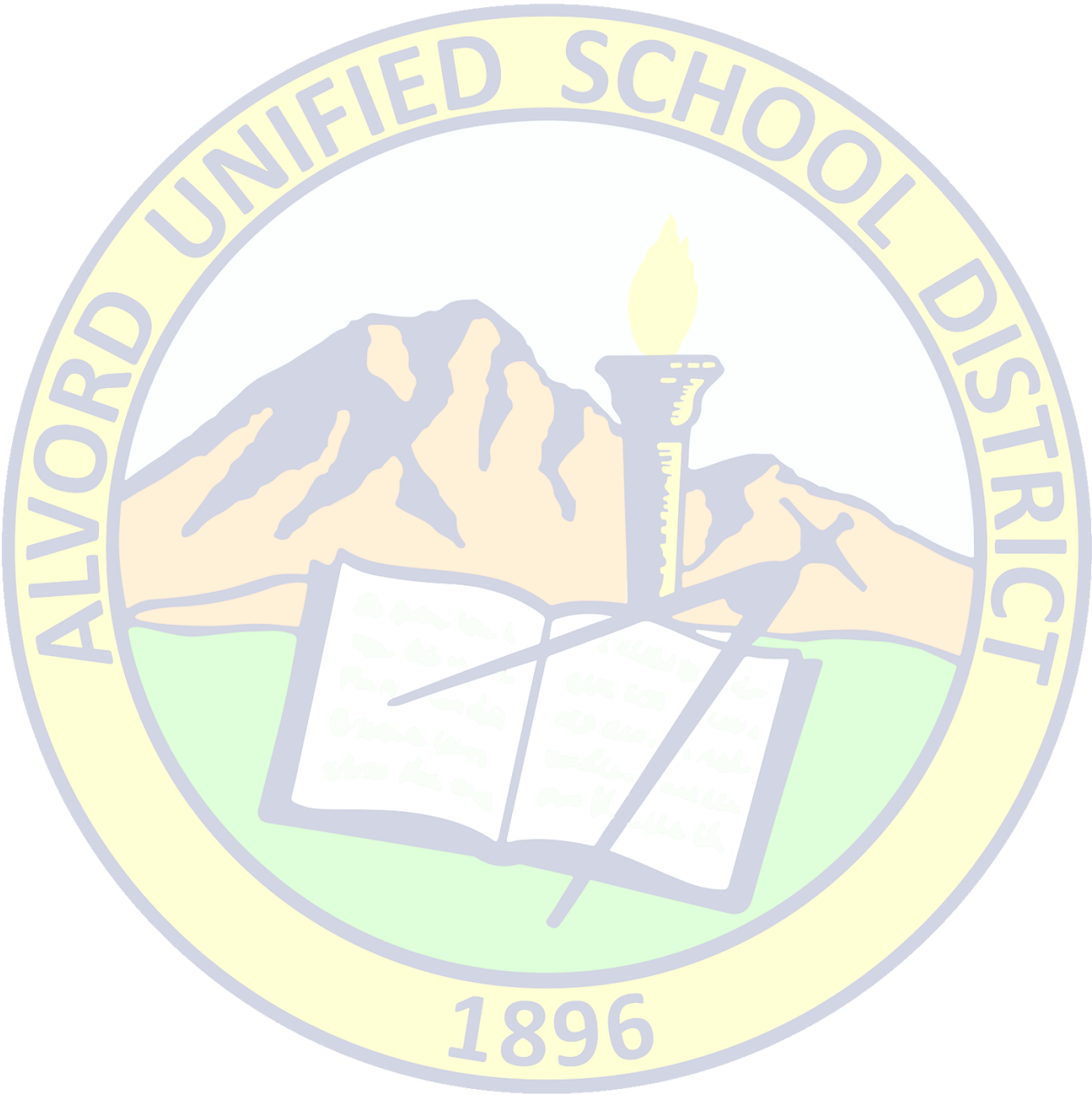
- Articulated with Riverside City College
- Offered at Hillcrest

*Articulated courses are updated regularly, please see counselor for most current list.*





# **DUAL ENROLLMENT COURSES**





## Dual Enrollment

Community college partnership allows high school students to take college level courses receive college units and high school credits towards graduation on the high school campus. Students who take advantage of dual enrollment in high school are more likely to earn high school diplomas, enroll in community colleges and four-year universities, attend post-secondary education on a full-time basis, and complete degrees than students who did not complete college credits in high school.

Courses offered vary by semester and are contingent on enrollment.

