

GRADUATION REQUIREMENTS

All classes must be passed with a 'D' or better to earn credit. One semester equals 5 credits. A 'C' or better is required to advance to the next course in a college prep sequence.

English - 40 credits (must include English I)

Social Science - 40 credits

Math - 30 credits (must include Algebra I or Algebra A and B)

Science - 30 credits (must include 1 year Biology and 1 year of a physical science - Int. Ag., Chemistry, or Physics)

Fine/Performing Arts or Foreign Language - 10 credits

P.A.S.S. - 40 credits

PE - 20 credits

Vocational Education - 10 credits

Computer Literacy - 5 credits

General Electives - 85 credits

Once a student has met his/her graduation requirement in a subject area, any further classes taken in that subject area will be used to meet the general elective requirement. Example: students are only required to take three years of math. Students who plan to attend a four-year university after high school routinely take four years of math. The fourth year is counted as a general elective for graduation purposes. It still meets the university entrance requirement for math.

UNIVERSITY ENTRANCE REQUIREMENTS

All classes must be passed with a grade of 'C' or better to qualify for university entrance

College Prep English - 40 credits

Social Science - 20 credits

Math - 30 credits (must include Algebra I, Geometry, and Algebra II)

Science - 20 credits of **lab** science (must include 1 year of a life science and 1 year of a physical science)

Foreign Language - 20 credits (30 recommended)

Visual or Performing Arts - 10 credits

College Prep Elective - 10 credits from any of the areas listed above (Example: Int. Ag. Science and Economics)

Any extra college prep classes taken earn extra points toward the college entrance calculation.

COURSE DESCRIPTIONS

College prep classes will be designated by a 'P' after the course title. Honors and AP classes will be designated by an 'HP' after the course title. All AP, honors, and college prep classes meet entrance requirements for the California State University and University of California systems and will be designated **[UC/CSU]**. Although no formal agreement exists with other universities, they consistently accept any course approved by UC and CSU.

Each course has a bracketed subject area designation that shows which subject area requirement can be met by the course, what grade level the student must be in to take the course, and what if any prerequisites must be met before the student may enroll in the course. Example (see next page): ROP Accounting is for 11th and 12th graders only and meets the subject requirement for Computer Literacy. It is not college prep and requires prior completion of Algebra I with a 'D' grade or higher.

COMPUTER LITERACY

ROP ACCOUNTING: 11th-12th Grade

[Computer Literacy]

Prerequisite: Completion of Algebra I with a 'D' or better.

This class will provide students with a variety of experiences working with both manual and computerized accounting. The goal of this program is to give students a solid accounting foundation and to prepare them for entry level employment as an accounting clerk, accounts payable clerk, accounts receivable clerk, and for the state certificate test for accounting clerk or payroll clerk.

ROP BUSINESS APPLICATIONS: 9th-12th Grade

[Computer Literacy]

Prerequisite: None

This course is for students with little or no previous computer experience. The first semester of the course will provide knowledge of the computer keyboard as well as basic word processing functions. During the second semester students will learn practical applications for computer usage in the home, school, or workplace. Students will be provided with an opportunity for further improvement in word processing as well as an introduction to database, spreadsheet and multi-media presentation software.

ROP ELECTRONIC DESIGN & PRESENTATION: 9th-12th Grade

[Computer Literacy]

Prerequisite: Business Applications or satisfactory completion of the technology assessment.

Electronic Design and Presentation is designed to provide the student with knowledge, skills, and hands-on application in the areas of: Graphic Design and Layout, Desktop Publishing, Web Page Design and Layout, and Multimedia Presentations. Software used includes: Microsoft Word, Microsoft PowerPoint, Adobe PageMaker, Adobe Photoshop Elements, Macromedia Flash and Macromedia Dreamweaver.

ROP ANIMATION-P: 9th - 12th Grade

[Computer Literacy]

[UC/CSU]

Prerequisite: None

This course will provide an introduction to 2-D and 3-D computer animation through project-based learning. Topics covered will include: history and principles of animation, basic design concepts, 3-D modeling, materials, cameras, lights, and rendering. Digital portfolios will be kept and will give students practice in delivering content over the web. Job skills will be emphasized. Animation meets the "g—other college prep elective" req. for UC/CSU.

ENGLISH

AP ENGLISH-HP: 12th Grade

[English]

[UC/CSU]

Prerequisite: Completion of English III or III Honors with a grade of 'B' or better is recommended

A course designed to help students prepare for the AP English Literature exam, this class offers motivated readers an opportunity to experience a wide range of literary themes and genres and engage in stimulating and academic conversation regarding these works. Although encouraged to take the AP exam in the spring, all students who LOVE to read and discuss the ideas generated through literature are welcomed. *Only students who take the AP exam, however, will receive the extra grade point awarded for honors and AP classes.* Emphasis is on the novel, poetry and drama; the reading list covers different eras of work. Themes and motifs discussed include speculative/futuristic fiction, the heroic journey, magical realism, etc.

ELD: 9th-10th Grade

[English]

Prerequisite: English assessment will be used to place students in ELD

A beginning course in English as a second language. It gives students wide experience in listening, speaking, reading and writing skills in the English language. There is an emphasis on communication in real life contexts as well as on vocabulary, grammar and pronunciation. Historical and cultural aspects of the English speaking world are also studied.

ENGLISH I-P: 9th Grade

[English]

[UC/CSU]

Prerequisite: None

The emphasis of the course will be the study of literature, incorporating extensive reading, analysis (both individual and group), writing and speaking. We will work on the various forms of writing: creative, descriptive, narrative, and expository. A passing grade is needed as a graduation requirement. Course instruction is geared to assist students in meeting the California State English/Language Arts Standards and the Expected Schoolwide Learning Results (ESLRS) established for Coast Union High School. In order to qualify for Honors English II (sophomore year), a student must earn an 'A' (at least 90%) in both semesters of English I and be recommended by his/her teacher.

ENGLISH II-P: 10th Grade [English] [UC/CSU]

Prerequisite: Completion of English I with a 'D' or better.

English II is a more intense extension of English I in that it is a survey of different kinds of literature mixed with a continued study of grammar, composition skills, and increased vocabulary. Emphasis is placed on students being able to write in a legible, literate, and intelligent manner with minimal grammatical errors. Different kinds of composition are explored as are a variety of methods for understanding and appreciating literature. Students are expected to do homework on a regular basis, take notes in class, come prepared to learn, study at home, and be disciplined enough to participate intelligently in a college prep course.

ENGLISH II-HP: 10th Grade [English] [UC/CSU]

Prerequisite: 'A' grades for both semesters of English I.

Experience the marvels of British literature, starting with the Anglo-Saxons and dragon-slaying Beowulf and concluding with the psychological modern fiction of the 20th century. Along the way, travel with Chaucer to Canterbury, march with Macbeth's army in Scotland, engage in witty repartee with Johnson and Boswell in the 18th-century coffeehouses of London, trek through the Lake District with the Romantic poets, and walk the wild moors with the Bronte sisters. An emphasis is placed on reading and composition although vocabulary and grammar are also included in this course.

ENGLISH III-P: 11th Grade [English] [UC/CSU]

Prerequisite: Completion of English II with a grade of 'C' or better.

English III is a one-year college preparatory course with an emphasis on the study of American literature from its early days to contemporary writings. Students will also prepare themselves for the SAT I and SAT II, with an extensive review of vocabulary and grammar usage. Course instruction is geared to assist students in meeting the California State English/Language Arts Standards and the Expected Schoolwide Learning Results (ESLRS) established for Coast Union School.

ENGLISH III-HP: 11th Grade [English] [UC/CSU]

Prerequisite: Completion of English II Advanced with a grade of 'B' or better or completion of English II with a grade of 'A' for both semesters.

Honors English III is a one-year survey, honors course with an emphasis on the study of American literature from the romantic period to contemporary writings. Through the study of American literature, students will further develop reading, writing, listening and speaking skills, and also become aware of the connection between a country's history and the development of its literature and arts. Specific assignments will be made in grammar usage, vocabulary, and literary interpretation. The course will be more challenging and demanding than the regular English III course and will require a summer reading assignment.

ENGLISH IV-P: 12th Grade [English] [UC/CSU]

Prerequisite: Completion of English III with a grade of 'C' or better

Truth! Justice! Love! Evil! Fate! All these and more will be themes available to the senior English student. Spend time in futuristic societies, on the wind-swept English moors, in Gothic villas. Meet mad scientists, noble savages, melancholy Danes and other tortured souls. In addition, fine tune composition, vocabulary, and grammar skills while reading, analyzing, interpreting, reflecting and writing about a plethora of topics.

ENGLISH SKILLS: 9th-12th Grade [English]

Prerequisite: Placement is made by English assessment.

English Skills is a non-college preparatory course designed not only to cover five main areas of language instruction (literature, composition, vocabulary/spelling, grammar and the research process), but also to offer remediation in reading and writing to improve students' SAT9 scores (those who score below and far below basic), aid students in passing the High School Exit Exam, improve English skills in English Language Learners, and prepare all students for entry into the college preparatory English program.

MYTHOLOGY/MASS MEDIA: 11th-12th Grade [English]

Prerequisite: Completion of English I and II with a grade of 'D' or better.

In Mythology (first semester), through the study of Greek and Roman mythology, students will further develop reading, writing, listening, vocabulary and speaking skills.

Mass Media (second semester) provides a comprehensive survey of newspapers, magazines, radio, television and film. It involves the student as both a consumer and producer of media content, and provides an opportunity to detect and analyze propaganda techniques. The student is encouraged to apply analytical and creative thinking to his or her role as both consumer and producer of various media. Content includes reading, viewing and listening to significant examples from the media. Activities include writing, producing and performing original materials.

FINE, VISUAL AND PERFORMING ARTS

ART I-P: 9th-12th Grade

[Fine Art]

[UC/CSU]

Prerequisite: None

Art I is a one-year comprehensive program that integrates the areas of aesthetics, art criticism, art history and studio productions. Students develop an awareness of and appreciation for the presence of art in everyday experiences. They learn and apply the elements and principles of design by working with a variety of media, and evaluating master's arts. The website is oriented to help students through each chapter through summaries, quizzes, vocabulary flash cards and activities.

ART II-P: 9th-12th Grade

[Fine Art]

[UC/CSU]

Prerequisite: Completion of Art I

Art II is a one-year exploratory course based on the extension of knowledge taught in Art I. Students experience hands-on application of the elements and principles of design in art designs and projects. The textbook is used as a reference and guide for students.

ADVANCE CONCERT BAND-P: 9th-12th Grade

[Fine Art]

[UC/CSU]

Prerequisite: Have own instrument and been playing for several years.

In band, students will receive instruction on wind and percussion instruments and develop instrumental skills and techniques in solo and group performances. Various styles and periods of music will be explored including jazz, pop, rock and marching.

BEGINNING GUITAR/PERFORMING ARTS: 9th-12th Grade

[Fine Art]

Prerequisite: None

Beginning Guitar is a one-semester course that will cover instruction on basic guitar techniques including chording, strumming, picking and reading chord symbols. Students will play folk, blues and pop tunes while learning music theory.

Performing Arts is the second semester of Beginning Guitar and will include vocalists and select instrumentalists on guitar, bass, drums, keyboards, sax, flute, trumpet, or trombone. Students will have an opportunity to perform solo and as part of small groups.

CHORUS-P: 9th-12th Grade

[Fine Art]

[UC/CSU]

Prerequisite: None

Chorus is a non-audition group open to freshmen through seniors. The class emphasizes basic music theory, vocal training, sight singing and performance. A variety of music is learned including classical, jazz, folk, modern, and multi-cultural. Singers perform in fall and spring concerts, festivals, and sing at many other local venues. No previous experience is necessary.

CRAFTS: 9th-12th Grade

[Fine Art]

Prerequisite: None

Students will be introduced to a variety of craft projects. Some of the crafts will be pottery, sculpting, mosaic design, woodcrafts, beading/jewelry, weaving, toy making, masks, basket weaving, and decorating gourds. Each project will have requirements for grades.

ROP ANIMATION-P: 9th - 12th Grade

[Fine Art]

[UC/CSU]

Prerequisite: None

This course will provide an introduction to 2-D and 3-D computer animation through project-based learning. Topics covered will include: history and principles of animation, basic design concepts, 3-D modeling, materials, cameras, lights, and rendering. Digital portfolios will be kept and will give students practice in delivering content over the web. Job skills will be emphasized. Animation meets the "g—other college prep elective" req. for UC/CSU.

ROP PORTRAIT TECHNIQUES/IMAGING FOR PUBLICATION: 12th Grade [Fine Art]**Prerequisite:** Completion of Professional Imaging.

Portrait Techniques is a one-semester course designed to develop visual literacy by combining writing skills with photography for entry-level employment in the photojournalism field. The student will work with a variety of camera equipment, films, and photo printing techniques to produce photographic stories. The assignments will include sports, candid portraits, groups, and travel scenic subjects. The portfolios will be theme-based and will be the choice of the student with approval from the instructor. Electronic portfolios will also be explored. The student may be required to make a portfolio and burn it to a CD, make a CD label, and make a cover for the CD case.

Imaging for Publication is a one-semester course that will prepare the student with skills required for entry into the career of portrait photography. The course will provide training in both environmental and studio portraiture, including the technical aspects of lighting, film, cameras, film processing, and specialized techniques. The training will cover a wide range of situations that will help the student to produce a substantial portrait portfolio.

ROP PROFESSIONAL IMAGING: 11th -12th Grade [Fine Art]**Prerequisite:** None

This course is designed to make students aware of various occupations in the field of photography. Students will be taught the basic competencies related to and required in commercial photography. The students will achieve photographic skills through lecture and practical classroom application. The ultimate goal of the course is to make the student employable at the entry level in photo-related occupations in our community.

SPEECH/DRAMA: 9th-12th Grade [Fine Art]**Prerequisite:** None

This course combines the teaching of speech and dramatic arts. During fall semester, students will be required to write and deliver five types of speeches: introductory, informative, persuasive, impromptu and demonstration. This class also puts on a one-act play to be performed for the school and at the Cuesta College One Act Play Festival in the spring. Second semester also includes additional speeches and several short skits performed for the school.

FOREIGN LANGUAGE**AP FRENCH-HP: 12th Grade [Foreign Language] [UC/CSU]****Prerequisite:** Completion of French III with a 'B' or better is recommended

AP French will follow the College Board curriculum to prepare students to take the AP exam in May. Students who choose not to take the AP exam will not receive the extra grade point awarded for AP and honors classes.

AP SPANISH-HP: 12th Grade [Foreign Language] [UC/CSU]**Prerequisite:** Completion of Spanish III with a 'B' or better is recommended

AP Spanish will follow the College Board curriculum to prepare students to take the AP exam in May. Students who choose not to take the AP exam will not receive the extra grade point awarded for AP and honors classes.

FRENCH I-P: 9th-12th Grade [Foreign Language] [UC/CSU]**Prerequisite:** None

Welcome to the French-speaking world! In this class, we will discover the Francophone world and appreciate its culture. We will develop reading, writing, listening and speaking skills at a beginner level. By the end of the school year, you will be able to communicate in a Francophone environment." Bienvenus!

FRENCH II-P: 10th-12th Grade [Foreign Language] [UC/CSU]**Prerequisite:** Completion of French I with a grade of 'C' or better.

Chouette! Mes amis de l'année dernière rentrent! Welcome to the French II class where we will continue to explore the wonderful Francophone world. We will advance in our reading, writing, listening and speaking skills at an intermediate level. By the end of the school year you will be able to communicate better in a Francophone environment. Salut and Bienvenus!

FRENCH III-P: 11th-12th Grade [Foreign Language] [UC/CSU]**Prerequisite:** Completion of French II with a grade of 'C' or better.

Bienvenus mes amis! Welcome to the French III class where we will continue to appreciate and discover more the great Francophone world. We will develop more reading, writing, listening and speaking skills at an advance level. By the end of the school year you will be capable of conversing in a Francophone environment. Salut a tous!

FRENCH IV-P: 12th Grade [Foreign Language] [UC/CSU]

Prerequisite: Completion of French III with a grade of 'C' or better.

Salut mes amis! Welcome to the French IV class where we will continue not only to explore the unique Francophone world, but where we will also master the four components of this wonderful language: reading, writing, listening and speaking at a very advance level. By the end of the school year you will be capable of conversing fluently in a Francophone environment. Bienvenus mes amis!

SPANISH I-P: 9th - 12th Grade [Foreign Language] [UC/CSU]

Prerequisite: 'C' or better in previous English class

Students will learn the Spanish verb tense system, acquire a vocabulary of approximately one thousand words and be able to write a simple paragraph at the end of this entry-level course.

SPANISH II-P: 10th - 12th Grade [Foreign Language] [UC/CSU]

Prerequisite: Completion of Spanish I with a grade of 'C' or better

¡Hola y bienvenidos! Welcome to the Spanish II class where we will further explore the wonderful Spanish-speaking world. We will advance in our reading, writing, listening and speaking skills at an intermediate level. By the end of the school year, you will be able to communicate better in a Spanish-speaking environment. ¡Fantástico!

SPANISH III-P: 11th - 12th Grade [Foreign Language] [UC/CSU]

Prerequisite: Completion of Spanish II with a grade of 'C' or better

¡Bienvenidos de nuevo mis amigos! Welcome to the Spanish III class where we will continue to appreciate and discover the Spanish-speaking world. We will develop more reading, writing, listening and speaking skills at an advance level. By the end of the school year you will be capable of conversing in a Spanish-speaking environment. ¡Hola a todos!

SPANISH IV-P: 12th Grade [Foreign Language] [UC/CSU]

Prerequisite: Completion of Spanish III with a grade 'f 'C' or better

¡Bienvenidos una vez más! Welcome to the Spanish IV class where we will continue not only to explore the unique Spanish-speaking world but also where we will master the four components of this wonderful language: reading, writing, listening and speaking at a very advance level. By the end of the school year you will be capable of conversing fluently in Spanish. ¡Hola a todos!

GENERAL ELECTIVES

ASB: 9th-12th Grade [General Elective]

Prerequisite: Must be elected.

This course introduces students to leadership skills and techniques and offers them a way in which to put these skills into action. Student activities touch all phases of student life, from Homecoming events to being politically involved in community issues that effect the school. Students learn how to bring about constructive change by working within the educational system, organize and plan a variety of events, manage student body finances, improve communication skills, and practice parliamentary procedure.

AVID: 10th-11th Grade [General Elective]

Prerequisite: College bound student with 'B' and 'C' grades.

The acronym AVID means Advancement Via Individual Determination. The class is designed to help those students in the middle to complete a college preparatory pathway in high school. In addition, the goal for these students is to complete rigorous course work and enter a four-year college upon high school graduation.

READING SKILLS: 9th-12th Grade [General Elective]

Prerequisite: Placement based on STAR Reading scores.

Students who score "below basic" or "far below basic" on the reading portion of the STAR test will take Reading Skills instead of an elective. Materials presented in the class will help the student improve word attack skills, reading fluency, speed and comprehension.

RSP DIRECTED STUDIES: 9th-12th Grade [General Elective]

Prerequisite: Current I.E.P. and Resource teacher recommendation.

This course offers students an opportunity to work on I.E.P. goals and review class material. The classes are very small and have both a teacher and a classroom aide.

RSP READING: 9th-12th Grade**[General Elective]****Prerequisite:** Resource teacher recommendation.

Students in the Resource program who need additional support in reading will be placed in RSP Reading. In Reading they will improve their word attack skills, increase reading speed and improve fluency and comprehension.

TEACHER'S ASSISTANT: 11th-12th Grade**[General Elective]****Prerequisite:** Teacher approval

TA's perform a wide variety of tasks for the teacher they choose. These tasks can include making photocopies, collating, stapling, filing, running a Scantron (grading machine), setting up for labs, cleaning up after labs, and running errands.

MATHEMATICS

ALGEBRA B-P: 9th-12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Algebra A with a 'C' or better.

Covers the second semester of Algebra I. It is the second year of a two year Algebra I program. Students who received a 'D' or 'F' in Algebra A, should choose Algebra I instead.

ALGEBRA I-P: 9th-12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Foundations Math (Pre-Algebra) with a grade of 'C' or better

The purpose of this course is to give students an introduction to the skills involved in mathematical problem-solving. By using operations with monomials, polynomials, factoring, radical expressions and exponents, students will be able to solve problems using linear and quadratic equations, and systems of equations.

ALGEBRA II-P: 10th-12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Geometry with a grade of 'C' or better

This course reviews and extends topics covered in Algebra I, including solving and graphing of linear and quadratic equations. In addition, this course introduces concepts necessary for subsequent mathematics courses including complex numbers, solutions of higher degree equations, graphing and analysis of equations of the conic sections, exponential and logarithmic functions, and sequences and series.

AP CALCULUS A/B-HP: 12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Math Analysis with a grade of 'C' or better

This course prepares students for the Calculus A/B Advanced Placement Examination. Topics to be covered include functions, limits, differentiation and the associated rules, integration and the associated rules, and applications of differentiation and integration. *Students who choose not to take the AP exam at the end of the course will not receive the extra grade point normally awarded for honors and AP courses.*

AP STATISTICS-HP: 12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Algebra II with a grade of 'C' or better. (Completion of Math Analysis preferred).

This course in statistics involves the rigor, calculations, and deductive thinking of mathematics, the real-world examples and problems of social sciences, decision-making needs of business and medicine, and the experimental procedures of the natural sciences. A student should expect to read and understand a statistics textbook, perform statistical calculations using a TI-83 plus, TI-84, or TI-89 graphing calculator (a required calculator for the course), and then write explanations of the meaning of solutions in the context of each problem. *Students who choose not to take the AP exam at the end of the course will not receive the extra grade point normally awarded for honors and AP courses.*

CONSUMER MATH: 10th-12th Grade**[Math]****Prerequisite:** Completion of Algebra I with a 'D' or better

This is a non college prep course which will help the student prepare for life in the "real world". Students will learn about purchasing a car, and a home, depreciation, amortization, taxes, and much more.

FOUNDATIONS MATH (Pre-Algebra): 9th Grade**[Math]****Prerequisite:** None

Foundations Math prepares students for Algebra I. Students will learn basic facts and procedures, develop the understanding and ability to use them in new and challenging problems, and acquire problem-solving strategies. Graphing, order of operations, decimal work, percentage work, probabilities, multiplication, subtraction, division and addition of integers, areas of squares, rectangles, and parallelograms, and elementary work with variables are some of the specific areas that will be covered. In addition, considerable time in the second semester will be spent reviewing the concepts necessary for successful completion of the standardized tests to be administered in April.

GEOMETRY-P: 9th-12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Algebra B or Algebra I with a grade of 'C' or better.

An integrated team and individual learning course. Upon completion of the course students will be able to: use problem solving skills in data organization, looking for patterns, drawing diagrams, making systematic lists/tables, finding and solving sub problems, and writing algebraic representations to make and test conjectures about angles, lines, congruence, polygons and circles; communicate mathematical understanding in clear conjectures, explanations and/or justifications; understand the interdependence between algebra and geometry; learn a core set of geometric facts and relationships about polygons, circles, prisms congruence and measure; use coordinate geometry as often as possible, particularly for the study of area, perimeter, transformations, congruence and functions; and develop facility with ratios, particularly in the areas of similarity, right triangle trigonometry and probability.

MATH ANALYSIS-P: 11th-12th Grade**[Math]****[UC/CSU]****Prerequisite:** Completion of Algebra II with a grade of 'C' or better.

The trigonometry portion of this course involves methods of solving for unknown sides and/or angles of triangles and solving trigonometric equations. The pre-calculus portion will broaden previously learned concepts and introduce new concepts which will facilitate success in a college calculus course.

ROP ACCOUNTING: 11th-12th Grade**[Math]****Prerequisite:** Completion of Algebra I with a grade of 'D' or better.

This class will provide students with a variety of experiences working with both manual and computerized accounting. The goal of this program is to give students a solid accounting foundation and to prepare them for entry level employment as an accounting clerk, accounts payable clerk, accounts receivable clerk, and for the state certificate test for accounting clerk or payroll clerk.

PHYSICAL EDUCATION**PE: 9th-12th Grade****[PE]****Prerequisite:** None

Co-ed Physical Education will promote the development of appropriate social behaviors during planned physical activities. A wide variety of activities will be scheduled to promote physical fitness and encourage lifelong participation in recreational sports. Students will participate in tennis, basketball, volleyball, badminton, and other units of instruction.

WEIGHT TRAINING: 10th-12th Grade**[PE]****Prerequisite:** None

This course is designed as an elective in physical education and also meets the CUHS graduation requirement for PE. Daily activities will include stretching, cardiovascular training, and an individualized weight program designed to help the student-athlete further develop his/her strength and sports-related skills. Participation in an extracurricular sport is recommended, and priority will be given to those students.

SCIENCE

AG BIOLOGY-P: 9th-11th Grade [Science] [UC/CSU]

Prerequisite: Completion of Integrated Ag. Science with a grade of 'C' or better or concurrent enrollment in Geometry and prior science teacher's recommendation.

This course covers Cell Biology, Biomes, Ecology, Genetics and Protein Synthesis, Evolution, Plants and Animals. All subjects covered are linked to their agricultural backgrounds using plant and animal systems. This class includes membership in the National FFA Organization. This one-year lab science is for all college-bound students but especially those with career interests in the diverse field of agriculture.

ANATOMY & PHYSIOLOGY-P: 10-12th Grade [Science] [UC/CSU]

Prerequisite: Completion of Biology or Ag. Biology with a grade of 'C' or better.

This is a one-year college prep lab science which focuses on the human anatomy (structure), physiology (function), and pathology (study of disease) of each of the major body systems. Students will learn about the bones, muscles, nerves, circulation and respiration of the human body and the physiological functions of human musculature.

AP BIOLOGY-P: 11th-12th Grade [Science] [UC/CSU]

Prerequisite: Completion of Chemistry with a 'C' or better and concurrent enrollment in Algebra II or more advanced math.

This class follows the curriculum of the College Board. It covers: Science as a process, Evolution, Energy Transfer, Continuity & Change, Relationship of Structure to Function, Regulation, Interdependence in Nature, Science, Technology and Society. This is a college level class. College credit may be given for an AP Exam grade of 3 or higher! Check with the individual college for requirements. *Students who choose not to take the AP exam at the end of the course will not receive the extra grade point normally awarded for honors and AP courses.*

BIOLOGY-P: 9th-11th Grade [Science] [UC/CSU]

Prerequisite: Completion of Integrated Ag. Science with a grade of 'C' or better or concurrent enrollment in Geometry and the recommendation of prior Science teacher.

A basic biology course which will cover the cell, the chemical basis of life growth and reproduction, evolution and heredity, taxonomy, the animal kingdom, plants, protists, monera, ecology, and human biology.

CHEMISTRY-P: 10th-12th Grade [Science] [UC/CSU]

Prerequisite: Completion of Biology or Ag. Biology with a grade of 'C' or better and concurrent enrollment in Algebra II or more advanced math.

The chemistry classes at Coast Union High School consist of lecture, problem solving, activities, labs, and projects. While covering the State Standards the course also provides preparatory learning for freshman chemistry at the college level. The topics explored are broadly grouped in the following categories: atomic and molecular structure, chemical bonds, conservation of matter and energy, gases and their properties, acids and bases, solutions, thermodynamics, reaction rates, chemical equilibrium, organic and biochemistry, and nuclear processes.

INTEGRATED AG. SCIENCE-P: 9th Grade [Science] [UC/CSU]

Prerequisite: None

Topics covered will include concepts in physics, chemistry, geology and biology. This course can be used to meet the UC/CSU college prep elective requirement. Because it is taken in 9th grade, it does not qualify as a lab science.

PHYSICS-P: 11th-12th Grade [Science] [UC/CSU]

Prerequisite: Completion of Chemistry with a grade of 'C' or better and concurrent enrollment in Math Analysis or AP Calculus.

The physics class at Coast Union High School consists of lectures, problem solving, labs and activities, and competition projects, such as the catapult contest. The course covers the State Standards as well as preparing students for college freshman-level physics. The following topics are covered: forces, motion, pressure, energy and momentum, waves, electricity, and magnetism.

ROP ORNAMENTAL HORTICULTURE: 11th-12th Grade [Science]

Prerequisite: Completion of Biology or Ag. Biology with a 'D' or better.

This is a hands-on science class which includes membership in the National FFA Organization. Students learn: use of horticulture industry tools, greenhouse management, plant propagation, landscape design, record keeping and irrigation technology. Students will have an ongoing supervised agricultural experience in horticulture project throughout the year.

SOCIAL SCIENCE

AP U.S. GOVERNMENT & POLITICS-HP: 12th Grade [Social Science] [UC/CSU]

Prerequisite: Completion of U.S. History or AP U.S. History with a 'B' or better is recommended

This course is an intensive study of the structures of government and the process of the American political system. All students are encouraged to take the AP exam in the spring. College credit is awarded for certain AP exam scores. See specific colleges for their AP policy. *Students who choose not to take the AP exam at the end of the course will not receive the extra grade point normally awarded for honors and AP courses.*

AP U.S. HISTORY-HP: 11th Grade [Social Science] [UC/CSU]

Prerequisite: Completion of World History and English II with a grade of 'B' or better is recommended

The advanced placement program in United States history is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American history. The program prepares students for college by making demands upon them equivalent to those of full-year college introductory courses. Students taking honors or AP courses earn an extra grade point and those students who take and pass the AP exam may earn college credit. *Students who choose not to take the AP exam at the end of the course will not receive the extra grade point normally awarded for honors and AP courses.*

HEALTH/DRIVER'S ED/WORLD GEOGRAPHY: 9th Grade [Social Science]

Prerequisite: None

In Health students will be taught basic first aid and C.P.R. techniques and will learn about the effects of drug use and abuse, including tobacco and alcohol. They will gain further knowledge of communicable diseases, and good health practices. In Driver's Ed the rules of driving will be covered to prepare students to obtain a driving permit. In World Geography we will use the themes of geography to explore our world: climates, ecosystems, population, cultures, land uses, and resources.

ECONOMICS-P: 12th Grade [Social Science] [UC/CSU]

Prerequisite: Completion of U.S. History or AP U.S. History with a 'D' or better

Economics is a one-semester course that will allow students to study economic principles and theories and understand how they influence economic policy on a world, national and local level. In addition, students will gain further economic insight from occasional guest speakers.

GOVERNMENT-P: 12th Grade [Social Science] [UC/CSU]

Prerequisite: Completion of U.S. History or AP U.S. History with a 'D' or better

In order to become effective participants in our American democratic system, it is imperative students know and understand how the government operates and what their roles in that government are. This class emphasizes the foundations of the American governmental system, the structure of the national government, and the importance of basic civil liberties.

U.S. HISTORY-P: 11th Grade [Social Science] [UC/CSU]

Prerequisite: Completion of World History with a 'D' or better

This course is designed to provide students with an understanding of the events: economic, political, and societal that shaped the course of the United States from 1765 to the present. Students will learn important historical dates and relevant concepts to help in their understanding of the forces of change at work in the U.S. from its beginning to the present.

WORLD HISTORY-P: 10th Grade [Social Science] [UC/CSU]

Prerequisite: Completion of World Geography/Driver's Ed/Health

This course is designed to provide students with an understanding of world events and cultures regarding economic, political, social, and geographical changes that have taken place in the modern era from 1715 to present. Students will learn about concepts, events and people, as well as important historical dates.

VOCATIONAL EDUCATION

BEGINNING WOODWORKING: 9th-12th Grade

[Voc. Ed.]

Prerequisite: None

This course will introduce students to the woodshop. Safety procedures will be heavily emphasized. Through the completion of individual and group projects, students will gain experience in layout and measurement, the proper use of hand tools and power equipment, gluing and clamping procedures, and finishing techniques.

CRAFTS: 9th-12th Grade

[Voc. Ed.]

Prerequisite: None

Students will be introduced to a variety of craft projects. Some of the crafts will be pottery, sculpting, mosaic design, woodcrafts, beading/jewelry, weaving, toy making, masks, basket weaving, and decorating gourds. Each project will have requirements for grades.

OFFICE AIDE: 11th-12th Grade

[Voc. Ed.]

Prerequisite: Permission of the attendance clerk.

This course will teach skills in telephone etiquette, dealing with the public, handling office machines including the master attendance scanner and other tasks as assigned. Must have good attendance, be responsible and be able to keep confidences.

PRE-SCHOOL AIDE: 11th-12th Grade

[Voc. Ed.]

Prerequisite: Current negative TB test (within one year)

Student must enjoy working with pre-school children and have a good attendance record. Students will be responsible for helping teachers during play activities, classroom activities and nutrition breaks. Fluency in Spanish is an asset.

PUBLICATIONS: 10th-12th Grade

[Voc. Ed.]

Prerequisite: Teacher approval.

Students in this class will be responsible for producing the yearbook. Tasks include photography, layout, advertising sales and others.

ROP ACCOUNTING: 11th-12th Grade

[Voc. Ed.]

Prerequisite: Completion of Algebra I with a 'D' or better.

This class will provide students with a variety of experiences working with both manual and computerized accounting. The goal of this program is to give students a solid accounting foundation and to prepare them for entry level employment as an accounting clerk, accounts payable clerk, accounts receivable clerk, and for the state certificate test for accounting clerk or payroll clerk.

ROP ANIMATION-P: 9th-12th Grade

[Voc. Ed.]

[UC/CSU]

Prerequisite: None (Completion of Art I preferred)

This course will provide an introduction to 2-D and 3-D computer animation through project-based learning. Topics covered will include: history and principles of animation, basic design concepts, 3-D modeling, materials, cameras, lights, and rendering. Digital portfolios will be kept and will give students practice in delivering content over the web. Job skills will be emphasized.

ROP BUSINESS APPLICATIONS : 9th-12th Grade

[Voc. Ed.]

Prerequisite: None

This course is for students with little or no previous computer experience. The first semester of the course will provide knowledge of the computer keyboard as well as basic word processing functions. During the second semester students will learn practical applications for computer usage in the home, school, or workplace. Students will be provided with an opportunity for further improvement in word processing as well as an introduction to database, spreadsheet and multi-media presentation software.

ROP COMPUTER AIDED DRAFTING: 9th-12th Grade

[Voc. Ed.]

Prerequisite: None

This course will introduce students to modern computer-aided drafting technology and practice. Using AutoCAD, students will learn standard drawing, dimensioning, tolerancing, and descriptive geometry techniques to produce detailed, assembly, electronic, and architectural drawings like those used in industry. Methods for 3-D design will also be introduced.

ROP ELECTRONIC DESIGN & PRESENTATION: 9th-12th Grade [Voc. Ed.]

Prerequisite: Business Applications or satisfactory completion of the technology assessment.

Electronic Design and Presentation is designed to provide the student with knowledge, skills, and hands-on application in the areas of: Graphic Design and Layout, Desktop Publishing, Web Page Design and Layout, and Multimedia Presentations. Software used includes: Microsoft Word, Microsoft PowerPoint, Adobe PageMaker, Adobe Photoshop Elements, Macromedia Flash and Macromedia Dreamweaver.

ROP PORTRAIT TECHNIQUES/IMAGING FOR PUBLICATION: 12th Grade [Fine Art]

Prerequisite: Completion of Professional Imaging.

Portrait Techniques is a one-semester course designed to develop visual literacy by combining writing skills with photography for entry-level employment in the photojournalism field. The student will work with a variety of camera equipment, films, and photo printing techniques to produce photographic stories. The assignments will include sports, candid portraiture, groups, and travel scenic subjects. The portfolios will be theme-based and will be the choice of the student with approval from the instructor. Electronic portfolios will also be explored. The student may be required to make a portfolio and burn it to a CD, make a CD label, and make a cover for the CD case.

Imaging for Publication is a one-semester course that will prepare the student with skills required for entry into the career of portrait photography. The course will provide training in both environmental and studio portraiture, including the technical aspects of lighting, film, cameras, film processing, and specialized techniques. The training will cover a wide range of situations that will help the student to produce a substantial portrait portfolio.

ROP ORNAMENTAL HORTICULTURE: 11th-12th Grade [Voc. Ed.]

Prerequisite: Completion of Biology or Ag. Biology with a grade of 'D' or better.

This is a hands-on science class which includes membership in the National FFA Organization. Students learn: use of horticulture industry tools, greenhouse management, plant propagation, landscape design, record keeping and irrigation technology. Students will have an ongoing supervised agricultural experience in a horticulture project throughout the year.

ROP PROFESSIONAL IMAGING : 11 -12th Grade [Voc. Ed.]

Prerequisite: None

This course is designed to make students aware of various occupations in the field of photography. Students will be taught the basic competencies related to and required in commercial photography. The students will achieve photographic skills through lecture and practical classroom application. The ultimate goal of the course is to make the student employable at the entry level in photo-related occupations in our community.