

EVERY STUDENT, EVERY DAY

Covina High School

Course Catalog

2017-2018



“EXPRESS YOURSELF”

AGRICULTURE DEPARTMENT

2175 Agriculture Government – Grade 12 Semester

Prerequisite: Completion of Agriculture Biology with a “C” or better; must be enrolled or completed Ag Economics

This course will provide the students with an understanding of the American political process, its influence on agriculture and the individual. Students will study the constitution, governments, federalism and the U.S. Farm Bill and policies. Life skills such as resumes, job applications, interview skills and college and scholarship applications will be included.

2292 Agricultural Economics – Grade 12 Semester

Prerequisite: Completion of Agriculture Biology with a “C” or better and International Math I

Through this course, the student will understand and apply basic principals of economics and matters of economic policy as they relate to individual consumers, production agriculture, and agri-business management.

9500 Agriculture Science - Grades 9, 10, 11, 12 Year

Prerequisite: Instructor approval.

This course is designed to introduce the students to Agri-science and Technology in a changing world, Biological Science and Technology, Plant Science and Technology, Animal Science and Technology, and creating improved plants and animals through technology.

9560 Agriculture Biology (P) - Grades 10, 11, 12—UC, CSU Year

Prerequisite: None

Meets the Laboratory Science "D" requirement for the UC system.

This course is a laboratory science course for the college-bound student. It emphasizes detailed knowledge of the central concepts, principles, and basic factual material of biology as it pertains to the field of agriculture.

5079 Agriculture and Soil Chemistry - Grades 10, 11, 12- UC Year

Prerequisite: Completion of Ag Biology or Biology with a grade of “C” or better. Completion of International Math I (Algebra 1) with a “C” or better

This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agri-science research program to be conducted throughout the first semester of the course. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

9565 Veterinary Science - Grades 11, 12- UC Year

Prerequisite: Completion of Ag Biology or Biology with a grade of “C” or better

This course will provide the student with the principles in Animal Science and Veterinary Medicine focusing on the areas mammalian production, anatomy, physiology, reproduction, nutrition, respiration, and genetics. This course is intended to successfully prepare those students who plan on majoring in Agricultural or Animal Science

ART DEPARTMENT

- 8007 Art Appreciation 1 (P) - Grades 9, 10, 11, 12—UC, CSU Year**
Prerequisite: A desire to develop artistic skills and understand aesthetic evaluation.
This course is a first-year art course that will include the study of Artistic Perception, Creative Expression, Historical and Cultural Context, Aesthetic Valuing, and connecting these concepts and applications to other curricular areas as well as to possible career options. The course introduces and develops basic concepts, skills, tools, and techniques of drawing and painting within the sequence of the units taught. The elements of art as well as the principles of design serve as a foundation for each unit covered. Selected historical and/or cultural contexts will be applied with attention to analysis, interpretation, and judgment of student work as well as developing an appreciation of works of art from other cultures and times. Several units will incorporate the use of technology to enrich the curriculum.
- 8040 Advanced Art (P) - Grades 10, 11, 12 - UC, CSU Year**
Prerequisite: Successful completion of two semesters of Intermediate Art and instructor approval.
A continuation of Intermediate Art with specific assignments that explore a variety of media and techniques at an advanced level.
- 8090 Advanced Placement (AP) Studio Art: Drawing (H) - Grades 11, 12—UC, CSU Year**
Prerequisite: One year of Art Appreciation and one year of Advanced Art or instructor approval.
Advanced Placement (AP) Studio Art is designed to allow the student to prepare and submit a portfolio of artwork for evaluation by a group of artist and teachers representing the Advanced Placement Examination Board. Students may elect to submit either a general portfolio or a drawing portfolio. They must present a body of work in the portfolio that demonstrates quality, concentration, and breadth
- 8091 Advanced Placement (AP) Studio Art: 2D Design (H) - Grades 11, 12—UC, CSU Year**
Prerequisite: One-year successful completion of a related studio arts course with a grade of B or better, instructor approval.
- 8290 Music History and Appreciation - Grades 9, 10, 11, 12 Year**
This course is designed to develop and appreciation and basic understanding of music through the activities of lecture, demonstration, listening and participation. This course is designed to help the student develop a basic understanding of music through medium, form, and style. It is further designed to help the student find enjoyment in music of diversified types and styles.
- 9105 Video Production I - Grades 9, 10, 11, 12 Year**
Video Production I will develop skills in all areas needed to plan, write, collaborate, film, and edit video production projects including news reports, commercials, short films, special effects chase scenes, music video, mini-documentaries, personal reels, and special video project including general teacher/district support videos.
- 9106 Video Production II - Grades 10, 11, 12 Year**
Video Production II advances the basic skills learned in Video Production I as well as enhances all artistic skills to further refine the career path students eventually choose. The class is mainly project-based and supports ASB and the school in rallies and other events. The class load is demanding and calls for independently motivated students.
- 9110 ROP Video Production – Grades 9, 10, 11, 12 - UC Year**
Students will work together as production teams in a “real world” studio to produce game shows, commercials, talk shows, and news broadcast. Course content includes learning skills performed by video camera operators, directors, technical directors, floor directors, set designers, scriptwriters, and on-air talent.
- 9150 ROP Graphic Arts/Multimedia – Grades 11-12 Year**
In this program, students receive a foundation of up-to-date classroom instruction using today’s latest software and state-of-the-art Macintosh computers. Using Adobe Photoshop, Illustrator, Adobe Go Live, QuarkXPress, PowerPoint and Final Cut Pro digital editing students will demonstrate the use of the programs for photographic image rendering and manipulation, drawing and coloring, ad design, graphic and text placement, page layout and Public Service Announcements.

BUSINESS/TECHNOLOGY DEPARTMENT

6120 Accounting - Grades 10, 11, 12

Year

Prerequisite: Algebra or counselor approval.

Students will acquire accounting knowledge in this course integrating computer technology and software with instruction. The course will enable students to acquire accounting knowledge, understanding, and skill. It is designed to show the use of mathematics and its application in a real-world setting. If a student has successfully completed two years of math in his/her 9th and 10th grade years, this course satisfies the graduation requirement for one year of math in the junior-senior level.

6195 Introduction to Personal Finance – Grade 11 - 12

Sem

Prerequisite: None

This course is designed for 11th and 12th grade students. This course is appropriate for all students who desire a comprehensive overview of budgeting, investments, insurances, taxes and finances.

6810 Digital Media Marketing - Grades 11, 12

Year

Prerequisite: Algebra I with a “C” or better, completion of Computer Applications or instructor approval.

This course was developed as part of the Business Academy curriculum to offer a comprehensive, advanced curriculum in the marketing sector. This course offers both a theoretical and applied academic foundation to visual arts through an emphasis on the concepts of marketing.

6650 ROP Retail Sales

Year Prerequisites: 16 years of age. 9th or 10th grade students may enroll if class has been identified as one of a sequence of classes in a program of study forming a career plan for a 9th or 10th grade student. Internships are subject to industry guidelines.

Students are trained for entry-level positions in Retail Occupations. Competencies taught include: sales, safety and security, human relations, professionalism and communication.

9365 ROP Micro Computer Repair and Maintenance

Year

Prerequisites: Students must have basic keyboard knowledge. Computer experience is preferred

Prepares students to install, program, operate, maintain and service computers. Includes instruction in diagnosis, detection, isolation, and correction of malfunctions. Instruction includes A+ certification preparation and an introduction to networking.

6250 -

6340 School Services—Grades 12

Year

Opportunities are provided for responsible students to gain practical office work experience in school offices. Students must have good attendance and meet dress standards expected of regular office workers.

The following courses are designed for students identified through the I.E.P. process:

6710 Workability – Grades 9, 10, 11, 12

Year

Students will be presented with information on career choices while making the transition to the world of work. Students have the opportunity for pre-vocational and job skills training.

6995 FS Elective Wheel – Grades 9, 10, 11, 12

Year

Prerequisites: Identified special education students enrolled in the Life Management and Transition Program as per the recommendations of the IEP team.

To enable students to acquire technology competencies deemed essential for functioning successfully in community and adult life.

ENGLISH DEPARTMENT

1171 Composition and Literature I (P) CCSS - Grade 9 - UC, CSU Year

This course will create 21st century learners who will demonstrate creativity in collaboration, effective communication, and critical thinking. Using literature, writing, technology, and visual media, this course is designed to develop students' ability to decode various documents, such as historical speeches, classical artwork, newspaper and other informational texts, blogs, web sites, Tweets, advertisements, and fiction from multiple time periods and perspectives. Students will acquire the skills necessary to read and analyze texts, gain a knowledge and appreciation of language, develop the tools necessary for critical thinking, and extend speaking, listening and writing skills.

1178 Composition and Literature I (H) CCSS - Grade 9 - UC, CSU Year

Prerequisite: Instructor and counselor approval.

This course will create 21st century learners who will demonstrate creativity in collaboration, effective communication, and critical thinking. Using literature, writing, technology, and visual media, this course is designed to develop students' ability to decode various documents, such as historical speeches, classical artwork, newspaper and other informational texts, blogs, web sites, Tweets, advertisements, and fiction from multiple time periods and perspectives. Students will acquire the skills necessary to read and analyze texts, gain a knowledge and appreciation of language, develop the tools necessary for critical thinking, and extend speaking, listening and writing skills. This course is designed to provide differentiated learning and enrichment through depth, complexity, novelty and acceleration, while adhering to the freshman college prep course description.

1270 Composition and Literature II (P) CCSS - Grade 10 - UC, CSU Year

Prerequisite: Composition and Literature I. Sophomore Standing

This course will create 21st century learners who will demonstrate creativity in collaboration, effective communication, and critical thinking. Using literature, writing, technology, and visual media, this course is designed to develop students' ability to decode various documents, such as historical speeches, classical artwork, newspaper and other informational texts, blogs, web sites, Tweets, advertisements, and fiction from multiple time periods and perspectives. Students will acquire the skills necessary to read and analyze texts, gain a knowledge and appreciation of language, develop the tools necessary for critical thinking, and extend speaking, listening and writing skills.

1275 Composition and Literature II (H) CCSS - Grade 10 - UC, CSU Year

Prerequisite: Successfully complete 9th grade Honors English with an "A" or "B" or 9th grade College Prep English with an "A" and teacher recommendation.

This course will create 21st century learners who will demonstrate creativity in collaboration, effective communication, and critical thinking. Using literature, writing, technology, and visual media, this course is designed to develop students' ability to decode various documents, such as historical speeches, classical artwork, newspaper and other informational texts, blogs, web sites, Tweets, advertisements, and fiction from multiple time periods and perspectives. Students will acquire the skills necessary to read and analyze texts, gain a knowledge and appreciation of language, develop the tools necessary for critical thinking, and extend speaking, listening and writing skills. This is and Honors course designed for students in grade 10 to prepare them for the rigor of Advanced Placement English courses.

1301 Composition and Literature III (P) CCSS - Grade 11 - UC, CSU Year

Prerequisite: Successful completion of Composition and Literature CCSS I and II

This course offers an in-depth study of core literary works from American literature that ranges from Pre- Colonial period to the present. Using a balance of reading material, including literature and informational text, this course is designed to develop and reinforce literary concepts, enhance knowledge and appreciation of language, encourage analysis and critical thinking, and develop and extend speaking, listening and writing skills as they relate to the Common Core Standards.

1910 Advanced Placement (AP) English Language and Composition (H) - Grades 11, 12 - UC, CSU Year

Prerequisite: Instructor/counselor approval.

This course trains students to examine linguistic and rhetorical conventions through examples of literature that range from the Greek classics to the late 20th Century. During the course of the year, students study various modes of discourse related to a particular topic, period, and theme and will also develop some of the same flexibility in their own writing. This understanding is measured by the complexity and depth, not necessarily the quantity, of the student's oral and written expression. Students may expect to be prepared, at the conclusion of this course, to take with confidence the Advanced Placement Examination in the field of Language and Composition. (Fee for AP Exam TBA)

- 1571 Expository Reading and Writing Grade 11,12 - UC, CSU** **Year**
Prerequisite: Composition and Literature III. Senior Standing.
 This course consists of a template that organizes and guides 14 course modules and is composed of a sequence of integrated reading and writing experiences, beginning with pre-reading activities, moving into reading and post reading activities, and continuing through informal and formal writing assignments.
- 1920 Advanced Placement (AP) English Literature and Composition (H) - Grades 11, 12** **Year**
Prerequisite: Instructor/counselor approval.
 This course is primarily concerned with understanding and responding analytically to works of recognized literary merit which reflect cultural and ethnic diversity. This understanding is measured by the complexity and depth, not necessarily the quantity, of the student's oral and written expression. Students may expect to be prepared, at the conclusion of this course, to take with confidence the Advanced Placement examination in the field of Literature and Composition. (Fee for AP Exam TBA.)
- 17009 Introduction to Theater Arts (P) - Grades 9, 10, 11, 12** **Year**
 This course introduces students to all aspects of theatre, acting, stage techniques, and the functional roles of the actor, director, and stage support personnel. All aspects of theatre arts are introduced, including make-up, set design, and crew and performance skills. A history of theatre will be included in the course work through the reading of plays from different historical periods. This course is a CTE course of study, Arts, Media, and Entertainment Industry Sector as a "introductory" course.
- 1710 Play Production - Grades 10, 11, 12 - UC, CSU** **Year**
Prerequisite: Successful completion of Introduction to Theater Arts and instructor approval.
 This course concentrates on refining acting and stagecraft skills. Emphasis will be on character analysis and interpretation. Play Production differs from Introduction to Theatre Arts in that it requires students to become totally involved in all aspects of producing a play. With permission of the drama instructor, this course may be taken more than once for elective credit to develop advanced skills. May be repeated for credit.
- 1715 Vocal Production) - Grades 9, 10, 11, 12** **Year**
Prerequisite: Successful completion of Introduction to Theater Arts or Play production; or instructor's approval
 This course is designed to further develop the student's stage, acting, voice and dance techniques as they participate in developing ensemble shows for performance. A variety of styles and historical periods of music dance and drama will be introduced for interpretation and analysis to gain a better understanding and appreciation of the different musical theatre forms. This course will explore creating thematic show ideas, writing and learning material for the shows, revising and rehearsing the show material and critiquing individual and group performances. Auditioning techniques, developing stage presence, and performance skills will also be emphasized. This course is a CTE course of study, Arts, Media, and Entertainment Industry Sector as a "concentrator" course.
- 1720 Advanced Acting - Grades 10, 11, 12 - UC, CSU** **Year**
Prerequisite: Successful completion of Introduction to Theater Arts and instructor approval.
 This course concentrates on refining acting and stagecraft skills. Emphasis will be on character analysis and interpretation. Play Production differs from Introduction to Theatre Arts in that it requires students to become totally involved in all aspects of producing a play. With permission of the drama instructor, this course may be taken more than once for elective credit to develop advanced skills. May be repeated for credit.
- 1770 Speech - Grades 10, 11, 12 - UC, CSU** **Semester**
Prerequisite: None
 Students will develop their communication skills through the use of formal and informal speech. Students will read research and interpret material in order to create original speeches that express ideas clearly and effectively.
- 1780 Advanced Speech - Grades 10, 11, 12 - UC, CSU** **Semester**
Prerequisite: Successful completion of 1170 Speech and teacher approval.
 Students will extend their communication skills beyond the introductory level though the interpretation of oral and written language. Extensive reading and writing will be required to enable students to prepare for challenging speech performances. Students will research classical rhetorical theory, examine contemporary models of discourse, and analyze mass media techniques.
- 1820 Yearbook - Grades 10, 11, 12** **Year**
Prerequisite: Good English and typing skills. Instructor approval.

1975 Applied Reading and Writing - Grades 9, 10, 11, 12

Year

This four-year course emphasizes the development and practical application of basic reading and writing skills as they relate to effective independent daily functions in the home and in the community.

FOREIGN LANGUAGE DEPARTMENT

4550/ American Sign Language I P - Grades 9, 10, 11, 12 – UC, CSU

Year

Prerequisite: None

This course introduces the student to the fundamentals of American Sign Language (ASL) using the five organizing principles identified by the National Standards in Foreign Language Project. These principles are considered the five C's of foreign language instruction: communication, culture, connections, comparisons, and communities. The course will teach basic vocabulary, grammar, finger spelling and aspect of Deaf Culture.

4555/ American Sign Language II P - Grades 9, 10, 11, 12 – UC, CSU

Year

4552

Prerequisite: A grade of "C" or better in ASL I or the prior approval of instructor

This course continues the work begun in ASL I. Emphasis will be on further developing expressive and receptive skills. There will be opportunities for students to use their ASL skills through interaction with deaf students.

4560/ American Sign Language III P - Grades 9, 10, 11, 12 – UC, CSU

Year

4553

Prerequisite: A grade of "C" or better in ASL II, or a grade of 80% on the placement test

This course further develops the student's receptive and expressive skills in American Sign Language. Emphasis will be on syntax, grammar, vocabulary development, Deaf Culture and the ability to express abstract ideas and concepts in American Sign Language. Students will be required to use American Sign Language in class discussion, dialogues, debates, skits, storytelling, reviews, reports and poetry. Assignments will include frequent translation exercises, required attendance at two Deaf Community events, and reports on people, events, and aspects important to Deaf Culture.

4554 American Sign Language IV P - Grades 9, 10, 11, 12 – UC, CSU

Year

Prerequisite: A grade of "C" or better in ASL III; Teacher and/or Counselor Recommendation

American Sign Language (IV) reinforces, expands and refines the receptive and expressive skills learned in ASL III, including role-shifting, precise use of classifiers, and the language skills necessary to help organize and discuss complex subjects. Students continue to develop skills in interpreting for a variety of situations, for example, describing accidents and health conditions. They deepen their understanding of the key aspects of Deaf culture and history through research, visitors, presentations, and participation in various Deaf events. Finally, students continue researching in depth the numerous careers for which people knowing ASL are highly sought. Formative and summative assessments will be ongoing and a combination of performance-based and research-based assignments. The University of California has approved American Sign Language I, II, III and IV as meeting the requirement under e – Language other than English.

4625 Chinese I P - Grades 9, 10, 11, 12 – UC, CSU

Year

Prerequisite: Grade of "B" or recommendation of English teacher.

Chinese I will introduce students to the language and culture of China and the Chinese-speaking world. Students will develop basic skills in speaking, listening, reading and writing Mandarin Chinese.

4627 Chinese II P - Grades 9, 10, 11, 12 – UC, CSU

Year

Prerequisite: Grade of "C" or better in previous level and teacher recommendation is required.

Chinese II is a yearlong intermediate course for non-Chinese speaking students who have successfully completed Chinese I. The course is designed to continue developing students' communication skills through vocabulary development, deepening their understanding of word formation and sentence structure of the Chinese Language, and the further development of listening, speaking, reading, and writing skills. Cultural topics will continue being presented to develop students' awareness of and appreciation for Chinese culture.

4629 Chinese III P - Grades 9, 10, 11, 12 – UC, CSU

Year

Prerequisite: Grade of "C" or better in previous level and teacher recommendation is required.

Chinese III will focus on further developing students' abilities in communication accurately and effectively in listening, speaking, reading, and writing. 90% of instruction is given using target language, which is Mandarin Chinese. 10% of instruction is given in English when necessary for grammar or sentence pattern explanation.

4632 Advanced Placement (AP) Chinese Language and Culture (H) - Grades 11-12 – UC, CSU

Year

Prerequisite: Grade of "C" or better in previous level and teacher recommendation is required.

This course builds on the content mastered in Chinese 1 and 2 and 3, but will provide more advanced practice in listening, speaking, reading, writing, grammar, culture and conversation skills of Mandarin. Students will use more realia, for example, Chinese

newspaper and recording from Chinese speaking surrounding as learning materials. They will also learn more sentence patterns, phrases and expressions, so they can narrate, describe, give or require information and express their opinions and feelings about more different topics.

**4120 Advanced Placement (AP) German Language (H) - Grades 11-12 – UC, CSU
Year**

Prerequisite: Recommendation from Foreign Language teacher and counselor/approval.

This course emphasizes the development of communication skills related to the German language-oral, grammar, composition, and literature. Emphasis is placed on acquiring the ability to express oneself, from extemporaneous conversation to the composition of essays on a variety of topics. The curriculum is designed to refine, perfect and enhance these skills as well as to broaden the student's understanding of German culture. The course will prepare students to take the AP German Examination and make them better prepared for advanced German studies at the college/university level.

4130 Spanish I (P) - Grades 9, 10, 11, 12—UC, CSU **Year**

Prerequisite: "B" in English or English instructor approval.

Proficient use of the language (understanding, speaking, reading, and writing) is an eventual goal. An oral approach to language learning is used, with ample reading and writing practice. This course fulfills the college requirement for one year of a foreign language at the high school level, as well as the foreign language/fine arts requirement for high school graduation.

4140 Spanish II (P) - Grades 9, 10, 11, 12—UC, CSU **Year**

Prerequisite: "C" in Spanish Level I or instructor approval.

This course continues the work begun in Spanish Level I, with the increased introduction of reading materials in the second semester while continuing the emphasis on communication skills.

4150 Spanish III (P) - Grades 10, 11, 12—UC, CSU **Year**

Prerequisite: "C" in Spanish Level II or instructor approval.

This course emphasizes language usage through listening, speaking, reading and writing.

**4270 Advanced Placement (AP) Spanish Language (H) - Grades 11, 12—UC, CSU
Year**

Prerequisite: Spanish III.

This course stresses oral skills, composition and grammar. Emphasis is placed on acquiring the ability to express oneself from extemporaneous conversation-making to the composition of essays. Students must achieve a semester grade of at least a "B" or have the instructor's approval to remain in this course or to enroll in the next course in the sequence.

HOME ECONOMICS DEPARTMENT: ROP

78802 ROP Health Careers - (SHOE) – Grades 11, 12

Year Prerequisites: TB Test and flu vaccines are required.

Students are taught skills for entry-level employment in health and medical occupations. Hospital departments are used as training locations. Uniform requirements: white pants and white shoes

78752 ROP Nurse Assistant - SHOE (P) – Grades 9, 10, 11, 12

Year

Prerequisites: Teacher and/or Counselor Recommendation

This course sequence teaches students the necessary theory and skills needed to provide nursing care to patients in various health care settings. Basic nursing principles and practices are combined with clinical practice in long term and acute care facilities. Upon successful completion of the course, the student becomes eligible to take the California Nurse Assistant Examination for Certification and meets the eligibility requirements for a Home Health Aide.

78852 ROP Health Science - SHOE (P) – Grades 9, 10, 11, 12

Year

Prerequisites: Teacher and/or Counselor Recommendation

This course is designed to provide a combination of subject matter to prepare and encourage the desire for further education in the health care field. Instruction will include lecture, demonstration, and hands-on work. Students earn industry certification in CPR, First Aid and HIPAA in this foundation course. The cost of testing is not included in the tuition unless the student candidate is sponsored through an approved program. Please verify your Student Fee Status through the Financial Aid Office.

7950 ROP Administration of Justice (P) – Grades 9, 10, 11, 12

Year

Prerequisites: Good reading and writing skills are recommended for optimum success.

Prepares students for basic training in the field of law enforcement as well as being trained for employment as security guards in on-site locations. The class is conducted as a law enforcement academy involving physical as well as classroom training.

7990 ROP Early Childhood Education

Year

This course is designed to provide students with classroom and hands-on training, while assisting teachers in infant, toddler, and preschool programs, elementary schools, and special education programs.

MATHEMATICS DEPARTMENT

- 3017 International Math I (P) - Grades 9, 10, 11, 12—UC, CSU** **Year**
Prerequisite: Completion of Math 8 CCSS
This course follows and approach typically seen internationally (integrated) which is the first year of a three year sequence which integrates, conceptual categories of number and quantity, algebra, functions, geometry, modeling and probability and statistics, preparing students with the body of knowledge students should learn in each category to be college ready and to be prepared to study more advanced mathematics.
- 3023 International Math II (P) - Grades 9, 10, 11, 12 - UC, CSU** **Year**
Prerequisite: Successful completion of International Math I with a grade of C or better
This course is the second of the three-course integrated sequence. The overall focus of the course is to (1) extend the laws of exponents to rational exponents; (2) compare key characteristics of quadratic functions with those of linear and exponential functions; (3) create and solve equations and inequalities involving linear, exponential, and quadratic expressions; (4) extend work and probability; and (5) establish criteria for similarity of triangles based on dilations and proportional reasoning.
- 3038 International Math II Honors (H) - Grades 9, 10, 11, 12 - UC, CSU** **Year**
Prerequisite: Successful completion of International Math I with a grade of B or better
International Math II Honors is an enhanced second course of the three-course integrated sequence.
- 3030 International Math III (P) - Grades 9, 10, 11, 12 - UC, CSU** **Year**
Prerequisite: Successful completion of International Math II with a grade of C or better
This course is the third of the three-course integrated sequence. This full-year standards-based course will cover the state prescribed curriculum for Mathematics 3 (Integrated Pathway). This course emphasizes work with families of functions, transformations of functions, logarithmic, exponential and trigonometric functions; comparing their behaviors and characteristics to quadratic relationships from Mathematics 2. This course also includes standards from the conceptual categories of Number and Quantity, Algebra Functions, Geometry, and Statistics and Probability.
- 3035 International Math III Honors (H) - Grades 9, 10, 11, 12 - UC, CSU** **Year**
Prerequisite: Successful completion of International Math II Honors with a grade of B+ or better
International Math III Honors is an enhanced third course of the three-course integrated sequence. This course includes understanding how the different areas of mathematics are related, and how mathematics makes sense, is relevant, and is useful in understanding the real world. Students will become critical thinkers and gain tools necessary in any field that requires problem solving.
- 3100 Trigonometry and Pre-Calculus (P) - Grades 11, 12 - UC, CSU** **Year**
Prerequisite: Completion of Algebra II and Geometry with a grade of "C" or better.
Trigonometry and Pre-Calculus is an intensive course that blends together the techniques, concepts, and skills of both Algebra and Geometry that students have previously learned. Facility with these functions as well as being able to prove basic identities regarding them is especially important for students intending to study Calculus, more advanced mathematics, Physics and other sciences, and engineering in college. A functional approach integrating as many concepts as possible is used throughout the course.
- 3140 Advanced Placement (AP) Calculus AB (H) - Grade 12 - UC, CSU** **Year**
Prerequisite: Trigonometry and Pre-Calculus, instructor approval.
This course consists of a full academic year of work in calculus and related topics comparable to courses in college and universities. Completion of this course prepares students to take the Advanced Placement Test in calculus for possible college work. (Fee for AP Exam TBA)
- 3145 Advanced Placement (AP) Calculus BC (H) - Grade 12 - UC, CSU** **Year**
Prerequisite: "C" or better in Calculus AB and instructor approval.
This course consists of a full academic year of work in calculus and related topics comparable to courses in college and universities. Completion of this course prepares students to take the Advanced Placement Test in calculus for possible college credit. (Fee for AP Exam TBA.)
- 3120 Statistics, Probability, and Finite Math (P) – Grade 11-12** **Year**
Prerequisite: Completion of International Math II with a grade of "C" or better required.
This course will focus on a comprehensive overview of mathematical topics that are useful in the world of mathematics related to finance, probability and statistics and will help students understand the application of mathematics in career technical education settings.
- 3016 Math Lab**

The following courses are designed for students identified through the I.E.P. process:

3005 Algebra Essentials - Grades 9, 10, 11

Year

Prerequisite: Successful completion of DHH Algebra Fundamentals A/B; Teacher placement.

Students will be able to demonstrate the use of symbolic reasoning and calculation with symbols; develop an understanding of the symbolic language of mathematics and the sciences; develop algebraic skills and concepts and use them in a variety of problem solving situations.

3003 Algebra Readiness Essentials - Grades 9, 10, 11

Year

Prerequisite: Teacher placement.

Students will be able to demonstrate the use of symbolic reasoning and calculation with symbols; develop an understanding of the symbolic language of mathematics and the sciences; develop algebraic skills and concepts and use them in a variety of problem solving situations. This course is a formal development of the algebraic skills and concepts necessary for students who will complete Algebra 1b by taking it the following year.

3096 Geometry Essentials – Grades 11,12

Prerequisite: Algebra Essentials or 01Algebra I is recommended

Students will develop and demonstrate an understanding of the skills and concepts of geometry and be able to construct simple formal logical arguments and proofs.

3895 Applied Math - Grades 9, 10, 11, 12

Year

(Core requirement for students enrolled in the Life Management and Transition Program, semester course, can be repeated for credit.)

Prerequisite: Identified SDC students enrolled in the Life Management and Transition Program per the IEP team recommendation.

This course is designed to help students develop mathematical skills and gain knowledge in the seven strands of mathematics: number theory, measurement, geometry, patterns and functions, statistics and probability, logic, and algebra. It emphasizes exploration, investigation, reasoning and communication, orally, in writing, and in cooperative groups. Each student will have access to the core curriculum as designed in the District's K-12 math Curriculum Guide based on individual ability and need. The course includes application of consumer and vocational skills.

MUSIC DEPARTMENT

8230 Advanced Band (P) - Grades 9, 10, 11, 12 - UC, CSU

Year

Prerequisite: Instructor approval.

This course develops major performing organizations which perform at school and community functions. Playing techniques, tone, intonation, balance, marching skills, and teamwork are among the skills emphasized.

8240 Marching Band – Grades 9, 10, 11, 12

Year

Prerequisite: Instructor approval.

This course is open to students who have expressed an interest in performing with the marching band and demonstrate a sustaining interest as a participant of this activity throughout their years of membership. This course is structured around performances at high school football half-time shows, parades, field tournaments, and various state and community events. May be repeated for credit.

8270 Concert Choir (P) - Grades 10, 11, 12 - UC, CSU

Year

Prerequisite: Instructor approval.

This course develops a major performing organization which performs at school and community functions. Voice training skills and music skills are stressed.

8290 Music History & Appreciation (P) - Grades 9, 10, 11, 12 - UC, CSU

Year

This course is open to all students. No previous experience is required. It is concerned with the study and analysis of music as related to history, past and present.

8360 Pop Ensemble (P) - Grades 9, 10, 11, 12 - UC, CSU

Year

Students learn a variety of music. Students learn to coordinate dance routines with the music. Solo, small group ensembles are encouraged. Performance before various audiences is sought.

8390 Jazz Ensemble (P) - Grades 10, 11, 12 - UC, CSU

Year

Prerequisite: Instructor approval.

This course acquaints students with the basic instrumentation and styles of jazz music. Technical skills and application of music fundamentals are stressed in individual and group work.

PHYSICAL EDUCATION DEPARTMENT

The Covina-Valley Unified School District Board of Education, in support of the California Education Code, requires each student to be enrolled in a physical education course during each semester, grades 9, 10, unless that student meets certain requirements for exemption from mandatory course work.

0144 Course 1-2: Introduction to Kinesiology/Physical Education - Grades 9, 10

Year

In this co-educational course, students dress in regulation uniform, participate daily, and are expected to demonstrate progress in prescribed activities. Students develop physical skills applicable to sports, fitness, and recreational activities. This course is designed to give students the opportunity to learn through a comprehensive sequentially planned Kinesiology and Physical Education program in accordance with the California Model Content Standards for Physical Education. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. Emphasis is placed on students developing a personalized fitness program for a healthy lifestyle. Units of instruction include: introduction to kinesiology (mechanics of body movement) and physical education, fitness, individual and dual activities, rhythms/dance, combative, gymnastic/tumbling, aquatics, and team activities. The effects of physical activity upon dynamic health will be a major focus throughout the course.

0250 Coed Physical Education Elective Activities - Grades 11, 12

Year

In this required course, students dress in regulation uniform, participate daily, and are expected to demonstrate progress in prescribed activities. Students develop physical skill applicable to individual and dual activities and recreational games. There is continued emphasis on the development and maintenance of an optimal level of physical fitness.

0254 Body Building/Figure Control - Grades 11, 12

Year

This semester long course is open to all 11th and 12th grade students either as an elective or to fulfill their graduation requirement. In this course students will dress in regulation uniform and participate daily. The course is designed to improve overall fitness with an emphasis on developing muscle strength and endurance. Another area of emphasis for girls will be on figure control and development. The students will be exposed to the basic principles of exercise physiology.

0270 PE PEP - Grades 9, 10, 11, 12

Year

Prerequisite: Instructor approval.

This course is structured to support athletic events, games, rallies and various state and community competitions.

0300 PE Marching Band - Grades 9, 10, 11, 12

Year

Prerequisite: Instructor approval.

This course is open to students who have expressed an interest in performing with the marching band and demonstrate a sustaining interest as a participant of this activity throughout their years of membership. This course is structured around performances at high school football half-time shows, parades, field tournaments, and various state and community events. May be repeated for credit.

0600/

0790 Sports - Grades 9, 10, 11, 12

Year

Prerequisite: Written approval by the athletic department.

Students enrolled in this course participate in competitive athletics. They gain leadership experience and develop positive attitudes relating to sportsmanship and fair play. Students develop school and team loyalty, and learn to make individual and team decisions. The course develops the skills and attitudes required to participate in the following sports: baseball, basketball, cross country, football, soccer, softball, swimming, tennis, track and field, volleyball and wrestling. Students, under the direction of a coach or coaches, compete against students from other schools in one or more of these sports. Emphasis is placed on both individual and team performance. Physical Education credit is earned upon successful completion of this course.

0010 Adaptive PE – Grades 9, 10, 11, 12

Year

SCIENCE DEPARTMENT

5046 Anatomy and Physiology (P) - Grades 10-12 – UC, CSU Year

Prerequisite: Grade of C or better in Biology or instructor approval.

This course is designed to provide students basic understanding of the anatomy and physiology of the human body. This course is designed to be an upper-level course, building upon students' understanding of biological and chemical concepts within the human body. Students are also provided with opportunities to connect what they learn to real world problems and concerns, most often, ecological/environmental in nature. Students will also participate in a plethora of hands-on laboratory activities, giving the students experience with scientific experimentation. Various writing assignments throughout the year will also improve compositional abilities and the ability to communicate effectively, in a clear and concise manner.

5064 Biology (P) - Grades 9, 10, 11, 12 - UC, CSU Year

Prerequisite: College preparatory. 2.0 GPA recommended

This course enables the student to develop an appreciation for the historical events significant to the development of modern biology, a respect for scientific knowledge, an appreciation of the relationship of man to his environment, the skills required to utilize scientific methods, appropriate study attitudes, and an awareness of what science has to offer to individuals as scientists, citizens and human beings. Students have regular opportunities to observe natural phenomena and to explore the concepts of Cell Biology, Genetics, Evolution, Ecology, and Physiology. At least 40% of classroom time will be devoted to hands-on experiences that develop attitudes of scientific inquiry.

5065 Biology (H) - Grades 9, 10, 11, 12 - UC, CSU Year

Prerequisite: "A" or "B" in Biology and Chemistry.

This course aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. The course will enable students to develop a solid understanding of the principal concepts of biology. The course will stress the basic facts and the synthesis of these facts into major concepts and themes. The 12 AP Biology labs developed by the College Board are conducted (through adult education) outside the regular class schedule. The background provided by the 12 labs is critical for successful performance on the AP Biology exam. Students are expected to plan their schedule with this extra time commitment in mind. (Fee for AP Exam TBA)

5080 Chemistry (P) - Grades 9, 10, 11, 12 - UC, CSU Year

Prerequisite: Algebra I or instructor approval. Tenth grade students are eligible to enroll with instructor and counselor approval.

This course involves the students with the processes and concepts of chemistry by developing problem solving skills, laboratory skills and scientific reasoning. Students will be able to apply their understanding of chemistry concepts to the processes of everyday life.

5085 Chemistry (H) – Grades 9, 10 11, 12 – UC, CSU Year

Prerequisite: Completion of Biology and Algebra I with A or B. Either completion of or concurrent enrollment in Geometry. Teacher recommendation and approval.

This course acquaints the student with not only the basic concepts and processes of Chemistry but goes into more depth and covers more information than the general college prep Chemistry course. This course will also develop problem solving skills by going into the mathematics of Chemistry to a greater depth. Students will also enhance their laboratory abilities by not only doing general high school labs but also labs that require more time and more sophisticated equipment.

5184 ROP Environmental Science - Grades 11-12 Year

Prerequisite: Algebra I with a grade of "C" or better

This course provides students with a foundation of understanding, knowledge and skills to deal effectively with environmental problems. Students learn a variety of basic laboratory and field techniques, including specimen sampling and processing, site monitoring documentation, inspection and emergency response. When possible students have the opportunity to work with or consult experts in various environmental fields. The course incorporates both academic and applied studies. The structure and function of natural ecosystems, the history of the environmental movement and the impact of laws, economic and political systems on environmental concerns are taught. Students also gain a broad awareness of environmental science and technological career opportunities. Job shadowing and internships are encouraged. An emphasis is placed on students making a positive impact on the environment.

5050 Advanced Placement (AP) Biology – Grades 10, 11 - UC, CSU Year

Prerequisite: Biology and Chemistry with an “A” or “B” grade; GPA 3.2 or higher; instructor approval

This course aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. The course will enable students to develop a solid understanding of the principal concepts of biology. The course will stress the basic facts and the synthesis of these facts into major concepts and themes. The 12 AP labs developed by the College Board are conducted outside the regular class schedule. The background provided by the 12 labs is critical for successful performance on the AP Biology exam. Students are expected to plan their schedule with this extra time commitment in mind.

5086 Advanced Placement (AP) Chemistry – Grades 11, 12 - UC, CSU Year

Prerequisite: Completion of Chemistry and Algebra 2 with a grade of “C” or better.

AP Chemistry is designed to be equivalent to a first year college level chemistry course. Students are prepared to be critical and independent thinkers who are able to function effectively in a scientific and technological society. Students will be able to analyze scientific and societal issues using specific problem solving. Students will emerge from this program with an appreciation for the natural world. Students will be able to make an acceptable score on the AP Chemistry test.

5185 Advanced Placement (AP) Environmental Science – Grades 11, 12 - UC, CSU

Year

Prerequisite: One year of Biology, one year of Chemistry, one year of Algebra II, Teacher Approval

This course is designed to revisit the concepts learned in Chemistry and Biology and apply them to environmental issues. The course provides the opportunity for the students to develop an awareness and understanding of environmental issues, to understand the relationship between man and his surroundings, to motivate students to be a part of the solution of environmental issues and to provide the students with the opportunity for hands-on work in the field.

5117 Advanced Placement (AP) Physics I - Grades 11-12 – UC, CSU Year

Prerequisite: Algebra 2

Students in high school that satisfy the prerequisite will study the laws and theories of physics that govern the world, solar system, and galaxy as we know it. They develop an understanding for everything that physics entails from laws of motion to electromagnetism to nuclear physics to light and sound to fluid mechanics. The students will memorize fundamental values in physics such as gravity, Planck’s constant, density of water, standard air pressure, speed of light

5119 Advanced Placement (AP) Physics II - Grades 11-12 – UC, CSU Year

Prerequisite: Completion of AP Physics I with a grade of “C” or better

This accelerated course will provide students with a broad-based yet detailed background and appreciation of physics and its applications to mechanics, engineering, construction, electronics, magnetism, and Earth’s place in the universe. The course also includes a study of atomic and subatomic physics as well as other related concepts. The course will provide opportunities to develop dimensional and numerical analysis and experimental tools to develop the student’s scientific and critical thinking skills at a higher level.

9205 Introduction to Engineering Design (PLTW) - Grades 9,10 Year

Introduction to Engineering Design™ (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.

9210 Principals of Engineering (PLTW) - Grades 9,10 Year

Principles Of Engineering (POE) is the second of three Engineering courses in the Project Lead the Way high school engineering program. Principles Of Engineering exposes students to several of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering (high tech careers). POE gives students the opportunity to develop skills and understanding of course concepts through activities, projects, and problem-based (APPB) learning. This course includes elements of STEM education (Science, Technology, Engineering, and Math).

5191 Sports Medicine - Grades 11-12

Year

This course is designed for students who want to investigate further into the field of sports medicine. It is intended to introduce advanced anatomy and physiology in a manner that relates to sports medicine and other health care careers.

9205 ROP Sports Physical Therapy - Grades 11-12 Year

Sports Physical Therapy teaches human anatomy and physiology within the context of sports injuries and medical needs. Students learn how the many systems of the body interact with one another and adapt to the demands placed on the body by sports. Students will participate in teams in multiple laboratory activities in class.

In addition, students will spend time outside the classroom learning the prevention, recognition, evaluation and treatment of athletic injuries.

The following courses are designed for students identified through the I.E.P. process:

Courses bearing the 01, 02, or 03 designations in the course title will be held to the same content and standards of excellence as courses without this designation. Students enrolled in these courses may receive instructional and testing accommodations and/or ASL to meet special needs as defined in Title 5 of the California Code of Regulations.

5067 Biology Essentials - Grades 10, 11, 12

Year

This course satisfies the graduation requirement for life science. It is designed to parallel the biology course with an emphasis on conceptual understanding and hands-on experiences; however, the course will cover essential standards in detail. Supplemental materials will be used to ensure student's mastery of the essential standards. This course enables the student to develop an appreciation for the historical events significant to the development of modern biology, a respect for scientific knowledge, an appreciation of the relationship of man to his environment the skills required to utilize scientific methods, appropriate study attitudes, and an awareness of what science has to offer to individuals as scientists, citizens and human beings. Students have regular opportunities to observe natural phenomena and to explore the concepts of Energy, Evolution, Patterns of Change, Scale and Structure, Stability, and Systems and Interactions. SDAIE strategies will be utilized for English for English Learners. This course will incorporate the California Content Standards for Health.

5053 Earth Science Essentials - Grades 9, 10, 11, 12

Year

The Earth Science Essentials course will provide students with a broad-based background and appreciation of their ever-changing planet and its place in the universe focusing on the essential standards using materials that have been adapted to meet the needs of the students. The course includes an overview of the earth's atmosphere, water system, geologic structure and history, including a study of the solar system.

5995 Applied Science - Grades 9, 10, 11, 12

Year

Prerequisite: Identified SDC student enrolled in the Life Management and Transition Program as per the recommendations of the EIP team.

This four-year course is designed to give exposure to crucial scientific basics. This course emphasizes learning fundamental concepts of physical and life science and how to apply these concepts to their daily lives.

historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.

2287 Advanced Placement (AP) Macroeconomics (P) - Grade 12 - UC, CSU Semester

Prerequisite: Recommendation from honors teacher.

This course examines the principles that apply to an economic system as a whole. The following themes are emphasized: national income, economic performance measures, economic growth, and international economics. The course will also include the following microeconomics themes: opportunity costs, supply and demand, and business organization.

2300 Advanced Placement (AP) United States History (H) - Grade 11 UC, CSU Year

Prerequisite: Instructor/counselor approval.

Advanced Placement American History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will learn to assess historical materials--their relevance to a given interpretive problem, their reliability, and their importance--and to weigh the evidence and interpretations presented in historical scholarship. Students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will be trained to analyze and interpret primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence of historical events. They should be able to express themselves with clarity and precision and know how to cite sources and credit the phrases and ideas of others. This course is designed to prepare students for the Advanced Placement American History examination.

2055 Advanced Placement (AP) World History & Cultures (H)—Grade 9—UC, CSU Year

Prerequisite: Instructor/counselor approval.

The purpose of the AP World History course is to develop greater understanding of the evolution of the global process and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. AP World History offers an approach that lets students “do history” through the steps an historian would take in analyzing historical events and evidence worldwide. The course offers balanced global coverage with Africa, the Americas, Asia, and Europe represented. Specific themes and consistent attention to contacts among societies form the core of world history as a field of study.

2840 Psychology (P) - Grades 11, 12 - UC, CSU Semester

Prerequisite: College preparatory course of study.

This college preparatory elective course is designed to provide the student with a general survey of the broad field of psychology, a fundamental knowledge of basic terms used in the field, an opportunity to explore current therapeutic methods, and an opportunity to explore physiological states, perception, cognition, motivation, memory, learned behavior, growth and development, social groups, emotions, personality and disorders.

2845 Advanced Psychology (P) - Grades 11, 12 - UC, CSU Semester

Prerequisite: College preparatory course of study and a “C” or better in Psychology.

This course is, in part, an in-depth survey of the field of psychology that includes human growth and development, personality development and mental health. It is also an opportunity to analyze in writing and discussion student's own personality, talents and goals and introduce peer counseling.

The following courses are designed for students identified through the I.E.P. process:

2940 01 American Government -

2930 01 American History -

2295 01 Economics

2185 American Government Essentials –

2190 Economics Essentials –

2085 World History Essentials -

2995 Applied History and Social Science - Grades 9, 10, 11, 12 Year

(Core requirement for students enrolled in the Life management and Transition Program, semester/year course, may be repeated for credit.)

Prerequisite: Identified SDC students enrolled in the Life Management and Transition Program as per the recommendations of the IEP team.

This four-year course is designed to give a general overview of the growth of the United States as a free nation, the major events of historical importance, as well as the figures who were involved in them. Students will be exposed to curriculum dealing with basic laws, voting procedures and elements that make a good citizen.

ELECTIVE/OTHER

3063 **Exploring Computer Science**

9345 **Gen Tech – Grades 10-12**
Year

Prerequisite: Technology course and/or teacher approval

Gen Tech is a digital survey course that is designed to help students develop the knowledge, skill, values, and experience that will help them succeed in an increasingly digital world.

9050 **Welding I**

Semester

Fundamentals of welding processes related to the areas of fabrication, construction, machine tool, aerospace and the transportation industries.

9850 **Peer Tutoring – Grades 11 – 12**

Year

Prerequisite: Grade 11 or 12 demonstrating success in the classroom, maintaining a least a 3.0 G.P.A. The student must have passes International Math I with a B or better

This course is designed for any students who meet the prerequisite and desire to assist their peers with academic success in the core curriculum classes. The students will need approval by the advisor through written/verbal application.

9860 **Leadership – Grades 9 – 12**

Year

This course is designed to combine classroom instruction with leadership training. It provides student leaders with the opportunity to study basic concepts of democratic government, techniques of leadership, public speaking, effective interviewing skills, meeting skills, group dynamics, parliamentary procedure skills, and principles of human behavior.

9870 **AVID – Grades 9 – 11**

Semester

This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (AVID) teaching methods and materials are used with particular emphasis given to English-Language Arts and Mathematics.

9871 **AVID Senior Seminar – Grades 11 – 12**

Year

The AVID Senior Seminar is the culmination of a student's previous years in the AVID program. The AVID Senior Seminar is a two-year multidisciplinary course for AVID juniors and seniors. The course is designed for those students who elect to take a course that prepares them for the rigor required for college work.

9915 **Guided Study**

9923 **Credit Recovery**