



# **ORANGE UNIFIED SCHOOL DISTRICT**

## **HIGH SCHOOL COURSE CATALOG**



*Mission Statement: Orange Unified School District, being committed to planning for continual improvement, will provide a curriculum and learning environment of excellence and high expectations to provide each student with the opportunity and preparation to compete in the global economy.*



## **CANYON HIGH SCHOOL**

220 S. Imperial Highway  
Anaheim, CA 92807



## **EL MODENA HIGH SCHOOL**

3920 Spring Street  
Orange, CA 92869



## **ORANGE HIGH SCHOOL**

525 N. Shaffer Street  
Orange, CA 92867



## **RICHLAND CONTINUATION HIGH SCHOOL**

615 N. Lemon Street  
Orange, CA 92867



## **VILLA PARK HIGH SCHOOL**

18042 Taft Avenue  
Villa Park, CA 92861



## **ALTERNATIVE EDUCATION**

250 S. Yorba Street  
Orange, CA 92869

Orange Unified School District has made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the district for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district. The district further reserves the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

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**KEY**

\* meets UC approval for “A-G”

^ meets course requirements for NCAA

An “E” at the end of the course number indicates that the class is offered online through Virtual Learning



## A-G

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

## ADVANCED PLACEMENT (AP)

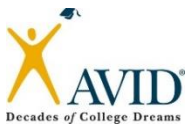


Advanced Placement (AP) courses provide high school students the opportunity to take college-level courses taught by Orange Unified staff at their respective high schools. Upon passing an AP course examination administered by the College Board, students can receive college credit, advanced placement,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

## ARTICULATED COURSES

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

## AVID



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

## CALIFORNIA PARTNERSHIP ACADEMIES (CPA)

CPAs are structured as a school-within-a-school. Academies focus on smaller learning communities with a career theme. Academy components include rigorous academics and career technical education, a committed team of teachers, and active business and post-secondary partnerships. One such partnership is the Collaborative Technology Program (CTP) at El Modena High School.



## COURSE NUMBERS

The numbers following course titles beginning with a letter and followed by three digits indicate the course code in Aeries, the OUSD Student Information System.

## CAREER TECHNICAL EDUCATION (CTE)



CTE prepares students with the academic and technical skills, knowledge and training necessary to succeed in a wide range of high-wage, high skilled, high demand careers. OUSD offers students the opportunity to engage in coursework within 24 different CTE Pathways.

## CTE PATHWAY

A Pathway is a sequence of courses taken in a specific Industry Sector that connects a student's interests to their College and Career goals. The Pathway culminates in a Capstone course, which provides the student an opportunity to apply their learning from the previous courses. CTE Pathways deliver relevant and rigorous academic and technical content and provide a student the opportunity to take classes most relevant to their career interests. Students acquire a depth of knowledge and skill connected to specific post-secondary programs, which lead to a certificate or degree and/or career.

### KEY

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## ENGLISH LANGUAGE DEVELOPMENT

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

## HONORS (H)

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

## INTERNATIONAL BACCALAUREATE (IB)



The International Baccalaureate Diploma Program (IB) is a rigorous pre-university course of study that meets the needs of the highly motivated and academically gifted secondary student. The comprehensive curriculum, leading to examinations, is international in nature. It is not limited to the cultures of any one country. It provides students of different linguistic, cultural, and educational backgrounds with the intellectual, social and critical skills

necessary for the international world community ahead of them. The intent is to teach students how to learn, analyze, and reach considered conclusions about humanity, their languages and literature, their ways in society and the scientific forces of their environment. Formal application for the IB program occurs in September of the junior year, and culminates in May of the senior year. Recommended honors courses in the 9th and 10th grades are designed as pre-IB courses, which is preparation for the junior and senior year. To receive a full IB Diploma there are two additional requirements that need to be met:

1) Complete 100 hours of community service. 2) Write an extended essay.

## NCAA

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



## PROJECT LEAD THE WAY



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

## SPECIAL EDUCATION COURSES

Special Education courses are identified with an "E" at the beginning of the courses number. These courses cover the same content standards as the general education courses. Special education courses include para professional instructional support and are modified to meet the unique needs of a student on an individualized education plan.

## UCCI COURSES



Innovative courses developed in partnership with the University of California that creatively integrate core academic subjects with Career Technical Education. UCCI courses provide students the opportunity to explore careers through applied learning while challenging themselves with rigorous college preparatory curriculum.



# DISTRICT POLICIES AND EDUCATIONAL OPTIONS

## ENRICHMENT, REMEDIATION, & CREDIT RECOVERY

### CREDIT RECOVERY

#### OUSD COURSES

OUSD provides students the opportunity to remediate grades or recover credits through one of two platforms, Apex Learning or Plato Courseware. Apex classes provide each student the opportunity to focus on exactly what he or she needs to master in order to recover credits or improve a grade. Plato offers a standards-based online learning program grounded in the tradition of solid research, sound pedagogy and applied innovation.

**Policy: With counselor approval, a student may repeat a course in order to raise his/her grade. Both grades will appear on the high school transcript, but the student will receive credit only once for taking the course.**

#### COURSES TAKEN OUTSIDE OUSD

**Practice and Policy: Secondary students who wish to attend a private or public school other than an OUSD High School Program to recover credit from a failed class must first secure petition approval from the Assistant Principal and Counselor prior to taking the course and transferring credits to their OUSD transcript. Only credits from an Accredited School (recognized by the U.S. Department of Education, such as WASC or ASC) will be accepted. The student must provide an official transcript to the high school registrar when the course is completed.**

### DUAL ENROLLMENT



OUSD students are encouraged to take the most rigorous and accelerated program in which they can be successful. Dual enrollment allows students to take college classes while still in high school. Classes are taught by college faculty, either at the college, high school, or through distance education. Dual enrollment is advantageous to students because it is a cost efficient way to accumulate credits and allows them to get a [head start](#) on their college careers. In some cases, the student may even be able to attain an Associate's degree shortly before or after their high school graduation. Participation in dual enrollment may ease the transition from high school to college by giving students a sense of what college courses are like.

**Policy and practices: All students interested in Dual Enrollment must meet with their high school counselor for advisement regarding the most appropriate plan of study for their goals as well as to receive instruction regarding forms and process prior to enrolling. Tuition is free to high school students; however, students are required to pay for their textbooks as well as a small health fee.**

### SUMMER SCHOOL

Orange Unified School District has a variety of opportunities for students in the summer school program. Students who need to recover credits as well as those who would like to accelerate can enroll in courses offered through OUSD. The programs offered are open to any OUSD student who has promoted from 8th grade or is enrolled in grades 9-11. OUSD also partners with Santiago Canyon College to offer dual enrollment courses wherein OUSD students can earn college credits. Some courses may be used towards high school graduation requirements.

**Policy: All students interested in summer school should see their high school counselor for advisement prior to enrolling.**

### VIRTUAL LEARNING (ONLINE through OrangeLive)

Orange Live is a web-based platform which allows students to meet high school graduation and college entrance requirements as well as complete CTE Pathways through online classes. OUSD offers many courses through this virtual medium (a list can be found at the back of this catalog) and continues to add to its offerings each year. Orange Live allows participants to access and present resources as well as participate in activities and interactions within a digital course structure.



**Practice: Students should talk to their counselors to determine if an online class might be right for them.**

#### KEY

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# COURSE DESCRIPTIONS

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

## ENGLISH 9

L300 \*^

L309 HONORS \*^

E412 SPECIAL ED ^

English 9 presents the student with a literature-based curriculum that integrates the skills of reading, writing, speaking and listening through an introduction to and analysis of literary forms. The course encompasses basic reading skills through its emphasis on the genres of literature: short story, poetry, nonfiction, drama, and novel. Students will be introduced to basic research skills. They will be introduced to the writing process and they will apply this process to all facets of composition.

## LANGUAGE TAKES THE STAGE: ENGLISH 9 AND THE PERFORMING ARTS

L310 \*

*Offered at Canyon High School only*

Who are we and what do we contribute to the stage of life? In Language Takes the Stage, we consider what theatre is and why people feel compelled to create it. In addition to analyzing, researching, and writing about text, students take an active role in transforming text to actual performances. Language, theater, culture, and self are the driving themes of this course. We compose monologues, write narratives, act, argue character interpretation, invent, improvise, and otherwise consider how the story is told and how the story is used to influence and communicate with the world around us. Quite simply, we travel the path from page to stage.

## ENGLISH 10

L400 \*^

L409 HONORS \*^

L415 CTP ACADEMY \*^

E413 SPECIAL ED ^

*CTP is offered at El Modena only*

English 10 integrates the skills of reading, writing, speaking and listening through a literature-based curriculum. This course emphasizes comprehensive reading skills and analysis through the study of all genres of literature: poetry, short story, novel, drama and nonfiction. Composition emphasizes the four basic domains of writing. Speaking and listening skills are enhanced through a variety of speech activities.

## UCCI GET REEL: ENGLISH THROUGH YOUR LENS

L411 \*

*Offered at El Modena only*

"Get Reel: English Through Your Lens" is a UC – designated honors course. Get Reel challenges **10th grade** students through the intensive analysis of text, including media, informational writing, and fiction. Students develop the abilities and skills to effectively produce powerful video messages, oral presentations, and writing to critically examine and deconstruct ideological and social influences and understand how these influences affect both individual and group identity. Students in this engaging 10th grade English class learn to recognize themselves as both products and members of society as they study and create a variety of text, including narrative and analytical writing, constructed argument, visual mapping, multimedia, and video messages. They understand that language is a powerful medium when read, written, spoken, and performed with purpose. While students explore the universal themes of identity, power, and freedom, with extensive focus on the novel, poetry, informational text, and film, they acquire important technical skills needed to use digital media tools for filming and editing. They gain the necessary abilities for digital media production, while participating in a rigorous, integrated creative English and media course that provides real-world connections through extensive career and technical content.



**ENGLISH 11**

L500 \*^

L515 CTP ACADEMY \*^

E414 SPECIAL ED ^

*CTP is offered at El Modena only*

English 11 integrates the skills of reading, analysis, interpretation, writing, research, speaking and listening through a literature-based curriculum. This is a survey course exploring the literature of the United States from the earliest English settlers to the present. All genres as well as the characteristics of the various literary movements and their represented authors are studied. Composition emphasizes the four basic domains of writing. Speaking and listening skills are enhanced through a variety of speech activities.

**COMMUNICATION BY DESIGN: ENGLISH AND MEDIA DESIGN - HONORS**

L502 \*

*Offered at El Modena High School Only*

Communication by Design is a UC-designated Honors course for **11<sup>th</sup> grade** students. The course integrates English with Visual Design and Media Arts by giving students the ability to communicate to different audiences in a variety of text formats as it applies to analog media, digital media, and real-world digital representations. Through repeated assignments and strategies, students develop and reinforce academic and industry-related foundational concepts and skills such as website construction, document specific formatting, career connections, analytical and informative writing and collaboration. Using effective speaking and listening skills, students convey a variety of messages both informative and persuasive, demonstrate mastery of visual representation of information, and conduct interviews with community and industry professionals as well as prepare for career based interviews. Analytical essays incorporate rhetorical strategies to develop persuasive/arguments and claims in both written and visual representations. Students deliver clear, organized presentation specific to the concept of each unit and leading to the Culminating Project at the end of the year.

Students end the course with a choice of projects that expand on the performance task of one of the units. They begin with the basic product of the unit performance task; increase its sophistication, depth, and professionalism.

**AP ENGLISH LANGUAGE AND COMPOSITION**

L512 \*^

AP English Language and Composition is a college level course typically offered to **11<sup>th</sup> grade** students. The focus of this course is to engage the student in becoming an analytical reader and college proficient writer. The student will analyze narrative, expository and argumentative texts. The concentration is on the use of rhetorical strategies and stylistic devices. Organization of writing will focus on content, purpose, and audience allowing formulaic writing to become sophisticated.

**ENGLISH 12**

L660 \*^

L615 CTP ACADEMY \*^

E415 SPECIAL ED ^

*CTP is offered at El Modena only*

English 12 integrates the skills of reading, analysis, interpretation, writing and speaking through a literature-based curriculum that is flexible enough to allow a linear, thematic or blended approach of study. Students will study authors in British, Western, and World Literature. They will analyze style, techniques and philosophies, and examine the backgrounds, societies, cultures, and worlds of those writers. Composition activities will use the tenets of the writing process, emphasize the domains of writing and engage the students in a variety of oral and written products. Study of grammar, usage, punctuation, spelling and structure will be ongoing.



**ENGLISH 12: EXPOSITORY READING AND WRITING**

L732 \*^

Expository Reading and Writing will prepare college-bound seniors for the literacy demands of higher education. Through a sequence of fourteen rigorous instructional modules, students in this yearlong, rhetoric-based English course develop advanced proficiencies in expository, analytical, and argumentative reading and writing.

**UCCI APPLIED MEDICAL ENGLISH 12**

L516 \*

*Offered at Orange High School only*

Applied Medical English challenges students with rigorous English Language Arts content as they explore questions regarding medical ethics, study how culture informs health care decisions, and examine other key elements of careers in Health Science. Applied Medical English could be part of a Health Science and Medical Technology Academy as an advanced course in a sequence of English and health science courses.

**AP ENGLISH LITERATURE AND COMPOSITION**

L996 \*^

This is a college-level course designed for **12th grade** students who have achieved the level of reading and writing skills generally expected of first-year college and university students. Students will engage in perceptive reading and critical analysis of literature. They will consider structure, meaning, value, relationship to contemporary experience, as well as the times in which the literature was written. Writing will include exposition, argument, critical analysis, personal narrative, and fictional or poetic forms.

**IB ENGLISH: LANGUAGE AND LITERATURE HL**

L511 English 11 \*^

L994 English 12 \*^

*Offered at Canyon High School only*

Language and Literature Higher Level introduces the critical study and interpretation of written and spoken texts from a wide range of literary and nonliterary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. IB Language and Literature is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the English language through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and the ability to present their ideas effectively. A key aim is the development of critical literacy.

**SPEECH AND DEBATE**

L924

*Offered at El Modena High School only*

This course is designed to allow students to recognize, develop and demonstrate oral communication skills. Through delivery of various types of speeches, and participating in structured debate, students will gain the ability to publicly speak with poise, confidence and aptness. The student will learn to organize presentations within a given time frame and to consider appropriateness of content, tone, and diction to the intended audience.

**READ 180**

R780

*Offered at Canyon and Orange High School Only*

This year-long course, based on the California academic content standards for English Language Arts, K-12, is designed to enable ninth through twelfth grade students who are below or far below grade level in English Language Arts to improve their reading comprehension and increase their understanding of narrative and expository text structures, including academic reading, functional reading, informational reading and technical reading, in order to learn more effectively from subject matter textbooks in science, history/social studies, math, and English.

**Prerequisites:** *Students identified as scoring a Level 2 (Standard Nearly Met) or a Level 1 (Standard Not Met) on California's state standardized ELA assessment or as below grade level as measured by a standardized reading assessment. Reading Comprehension Lexile Level at Below or Far Below Grade Level. English learners at CELDT levels 1-5 and struggling RFEs who are performing below or far below grade level.*

**ENGLISH FOR ACADEMIC SUCCESS**

X729 Year 1

X731 Year 2

*Offered at Orange High School only*

This year-long elective course is done concurrently with the grade level core English course (L 300, L 400, L 500, or L 660). This language program is designed to accelerate language skills for academic language learners, including long-term English language learners, advanced ELL/ELD students, and community dialect speakers. Targeted instructional routines for vocabulary, writing, speaking, and listening help language learners obtain the English skills needed for other courses.

**Prerequisites:** *Students identified as scoring mid-range Level 2 (Standard Nearly Met) on California's state standardized ELA assessment or at a basic level as measured by a standardized reading assessment. CELDT level 3 or higher.*

**ELD BEGINNING**

L590 Grade 9

L591 Grade 10

L592 Grade 11

L593 Grade 12

This course introduces students to beginning English language structure. Listening, speaking, reading and writing activities are designed to help students develop competency in oral language and literacy skills. They will study the basic elements of English such as nouns and verbs along with phonemic and semantic aspects of the language. Content area vocabulary related to grade appropriate course work will be emphasized. English language instruction is based on the California ELD Standards and grade level English Language Arts standards.

**Prerequisite:** Must be taken in conjunction with R 708; CELDT score of 1 and Reading Comprehension Lexile level at 400 or below

**ELD-BEGINNING**

R708

This course is done concurrently with ELD Beginning and supports students in developing skills in word analysis, fluency, vocabulary, comprehension and basic literary analysis and response. Sequential reading materials are used to establish a base for further content area and narrative reading tasks.

**Prerequisites:** Must be taken in conjunction with L 590, L 591, L 592, or L 593; CELDT score of 1 and Reading Comprehension Lexile level at 400 or below

**ELD EARLY INTERMEDIATE**

L594 Grade 9  
L595 Grade 10  
L596 Grade 11  
L597 Grade 12

This course continues the introduction of English language structure to students who have mastered the beginning level. They will continue to study the basic elements of English through listening, speaking, reading, and writing activities. Content area vocabulary related to grade appropriate course work will be emphasized. English language instruction is based on the California ELD Standards and grade level English Language Arts standards.

**ELD READING-EARLY INTERMEDIATE**

R718

This course is done concurrently with ELD Early Intermediate Grammar and is a continuation of the skills covered in ELD Reading-Beginning. Students continue to develop these English language skills that are needed to be successful in reading informational text and literature.

**Prerequisites:** Must be taken in conjunction with L 594, L 595, L 596, or L 597; CELDT score of 2; and Reading Comprehension Lexile level between 259 and 579.

**ELD TRANSITIONAL ENGLISH**

L602 Grade 9 \*  
L603 Grade 10 \*  
L604 Grade 11 \*  
L605 Grade 12 \*

Continuation of skills building in the English language. Listening, speaking, reading and writing activities are designed to help students develop increased competency in oral language and literacy skills. Provides students with a more advanced curriculum of vocabulary, reading, and writing. Course focuses on grade level ELA standards and curriculum, as well as the California ELD Standards.

**Prerequisite:** Must be taken in conjunction with R 748; CELDT score of 4 or 5 and Reading Comprehension Lexile level between 719 and 879.

**ELD READING-ADVANCED**

R748

This course is done concurrently with ELD Transitional English and is a higher-level continuation of the skills needed in English for reading informational text and literature, so students can be successful in other content area classes.

**Prerequisites:** Must be taken in conjunction with L 602, L 603, L 604, or L 605; CELDT score of 4 or 5 and Reading Comprehension Lexile level between 719 and 879.

**MATH I**

N249 \*  
N248 HONORS \*  
E434 SPECIAL ED

The fundamental purpose of Mathematics I is to formalize and extend the mathematics that students learned in the middle grades. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Instructional time focuses on six critical areas: The Mathematical Practice Standards apply throughout each unit and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**ESSENTIALS OF MATH**

N801

*Offered at Canyon and Villa Park*

This course is designed to remediate basic math skills. Students are placed based on SMI scores and teacher recommendation.

**MATH II**

N735 \*

N736 HONORS \*

E435 SPECIAL ED

Mathematics II focuses on quadratic expressions, equations, and functions, comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I as organized into 6 critical areas, or units. The Mathematical Practice Standards apply throughout the integrated math series of courses and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**ESSENTIALS OF GEOMETRY**

E446 ^

*Offered at Orange and El Modena High only*

The Special Education English course covers the same standards as the general education English course and includes para professional instructional support. The course is modified to meet the individual needs of students on an individualized education plan. This course is the study of the properties of points, lines and planes and the geometric figures they form.

**ALGEBRA II**

N710 \*^

N719 HONORS \*^

Algebra II reviews the solving of linear and quadratic equations and inequalities. It includes analytic geometry, logarithms, exponents, complex numbers, probability, and trigonometry.

**ALGEBRA II WITH FINANCIAL APPLICATIONS**

N711 \*^

*Offered at El Modena & Orange High only*

This is an algebra-based, applications-oriented, and technology-dependent course which addresses college preparatory mathematics topics from Advanced Algebra, Statistics, Probability, Pre-Calculus, and Calculus under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting. The course allows students to experience the interrelatedness of mathematical topics, find patterns, make conjectures, and extrapolate from known situations to unknown situations. The mathematics topics contained in this course are introduced, developed, and applied in an as-needed format in the financial settings covered. Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations.



## MATHEMATICS

**PRE-CALCULUS WITH TRIGONOMETRY**N730 \*<sup>A</sup>N739 HONORS \*<sup>A</sup>

Pre-Calculus with trigonometry is a year course combining the aspects of trigonometry, analytical geometry, and algebraic techniques needed in preparation for the study of calculus. A graphing calculator is used extensively in concept development as well as in assignments and tests.

**AP CALCULUS**N986 AB \*<sup>A</sup>N987 BC \*<sup>A</sup>

*Calculus BC is offered at Canyon, El Modena, & Villa Park only*

AP Calculus is a year course equivalent to the first year of college calculus at most colleges and universities. Areas of study include: functions, limits, continuity derivative, integral, and series. A graphing calculator is used extensively in the course and on the AP examinations. Calculus AB and Calculus BC are primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding.

**AP STATISTICS**N994 \*<sup>A</sup>

*Offered at Canyon, El Modena, & Villa Park only*

Statistics introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. It is recommended for students interested in going into a non-math major, but aiming for a career where statistics are used, such as sociology or psychology. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

## PHYSICAL EDUCATION

**AEROBICS**

P762

*Offered only at Orange High School*

This course is designed to give students the opportunity to learn about and participate in aerobic conditioning and training techniques used for achieving optimal physical fitness. Student will learn to incorporate resistance training, calisthenics, yoga, kickboxing, swimming and running activities into a fitness program. Students will set and modify goals based on fitness testing in the fall, winter and spring and will create a home workout program to improve or maintain optimal fitness. Students will understand the importance of lifelong fitness for their overall health and well-being. *This course meets the California State Requirements for Physical Education.*

**ATHLETICS (INTERSCHOLASTIC SPORTS TEAMS)**

P730 Athletics

P731 Baseball

P747 Badminton

P732 Basketball

P733 Cross Country

P735 Football

P745 Golf

P748 Lacrosse

P737 Soccer

P738 Softball

P739 Swimming

P740 Tennis

P741 Track

P742 Volleyball

P743 Water Polo

P744 Wrestling

A course of competitive endeavor in seasonal sports sanctioned by the California Interscholastic Federation. The course is designed to meet the educational and individual needs of each participant through an optimum of experiences on all levels and kinds of competition. *Meets the California State Requirements for Physical Education.*

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**COMPETITIVE MARCHING BAND**

P780

This course provides an opportunity for students to participate in marching band. Marching and music fundamentals coupled with physical education curriculum concepts fulfill the content of the course. These skills are applied in various performances, such as, football games, field tournaments, and pep assemblies. *Meets the California State Requirements for Physical Education.*

**JROTC LEADERSHIP (JUNIOR RESERVE OFFICER TRAINING CORPS)**

X751

*Offered at Orange High School only*

Students in Leadership Team Junior ROTC provide direct leadership and instruction to other cadets in marksmanship training, precision drill and color guard presentation. Cadets interested in improving their leadership skills and demonstrating them on campus and in the community will find the greatest benefit from this course. Cadets selected to leadership positions such as Team Captain of the Rifle Team, Drill Team, or Color Guard will plan, coordinate, organize, staff and direct military competitions and ceremonies in their area of expertise. *Meets the California State Requirements for Physical Education.*

**WEIGHT TRAINING**

P749

The emphasis in this course is designed to give students the opportunity to learn weight training concepts and techniques on muscular strength, endurance, flexibility, and safety. The core lifts in this course include parallel squats, pull-ups, bench press, and incline press. Weight room safety, warm-up/cool down procedures, lifting technique and safety for all lifts, major muscle identification, and individual goal setting are all important components on this course. Student will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activities for lifelong fitness.

**PEP SQUAD/PHYSICAL EDUCATION**

P781

This course provides an opportunity for students to participate in pep squad activities. Movement knowledge and dance fundamentals, coupled with physical education curriculum concepts, fulfill the content of the course. These skills are applied in various performances such as football games, parades, field tournaments, and pep assemblies. *Meets the California State Requirements for Physical Education.*

**PHYSICAL EDUCATION**

P775 (Grade 9)

P720

A Physical Education program should help students develop a life-long commitment toward their own physical well-being, health, and fitness. A physically-educated person is one who has mastered the necessary movement skills to participate confidently in many different forms of physical activity, values physical fitness, and understands that both are intimately related to health and well-being. This program puts emphasis on fitness, team and individual sports, gymnastics, aquatics, and recreational games.

*Our 9th grade PE course also provides students with hands on CPR training.*

**PRIVATE STUDY - PHYSICAL EDUCATION**

P721

For students who are being judged for pre-Olympic sports.

*Students must have prior approval to receive credit.*

**COMPETITIVE MARCHING BAND**

O707

*May be used as high school P.E. credit*

Professional Dance is for the student who would like to explore and prepare for careers in the dance pathway. Students will learn the physical conditioning and preparation needed to prepare for post-secondary education and/or employment. Dance technique will be perfected in a variety of disciplines through both a traditional dance class format and showcase performances.

**PROFESSIONAL DANCE II**

O709

*May be used as high school P.E. credit*

This is the second course in the Professional Dance sequence. Students continue to perfect their dance technique in a variety of disciplines while building choreographic and production skills.

**PROFESSIONAL DANCE III**

O706

*May be used as high school P.E. credit*

This is the third course in the Professional Dance sequence. Students continue to perfect their dance technique in a variety of disciplines while building choreographic and production skills.

**ROTC**

X750

*Offered at Orange High School*

Course objectives for the Marine Corps Junior Reserve Officers' Training Corps program focus on developing self-discipline, strengthening character, and developing informed and responsible citizens. The course encompasses five major units of study: Leadership Tenets, Physical Fitness and Health, Drill and Ceremonies, Marksmanship, and Military Organization and Orientation. *Meets the California State Requirements for Physical Education.*

**LIFE SCIENCE**

S820

*Offered at Orange and Richland High School*

Life Science is designed to help students understand their world from a biological science point of view. Students will develop an understanding of the anatomy and physiology of the human body to aid wise health care decisions. A study of ecology and pollution will make students aware of their place in the biosphere and the importance of preserving it. The course capitalizes on the student's personal experiences of everyday life, science in the home, and science in the news. Textbooks are not the sole source of the curriculum; everyday materials and laboratory equipment, videotapes, computer software, and other printed materials such as reference books provide a substantial part of the student experience





## ANIMAL SCIENCE

O700 \*

*Offered at Orange High School*

This course provides students with classroom instruction in the animal care field. Essential employability skills include career opportunities in the animal care field, plus personal and interpersonal skills, career development and employment literacy. The course includes content area instruction in: animal handling and restraint, medical/scientific terminology; immunology/physiology, sanitation, safety, nutrition/health, domestic/exotic breeds and species, genetics, cellular biology, animal behavior, conservation/ecology, evolution and animal traits, scientific theory and general animal husbandry.

***Course meets California science standards and affords students 10 credits of Life Science for graduation.***

***Animal Science is a UC "G" Elective.***

## BIOLOGY

S750 \*^

S759 HONORS \*^

E750 SPECIAL ED ^

The course of study has the student explore the concepts of measurement, microscope use, scientific method and problem solving, chemistry as applied to biology, cell biology, photosynthesis and respiration, nucleic acids, protein synthesis, genetics, vertebrate reproduction and development, biological classification, evolutionary theory, microbiology, plants, invertebrate and vertebrates, ecological relationships, environmental issues, populations, animal behavior, human anatomy and physiology.

***Biology is a college preparatory course that meets the University of California life laboratory science entrance requirement.***

## PLTW BIOMEDICAL SCIENCE

S305 \*

*Offered at El Modena and Villa Park High School only*

In this PLTW Biomedical Science course, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

***This course is a college preparatory course that meets the University of California life laboratory science entrance requirement.***

## PLTW HUMAN BODY SYSTEMS

S306 \*

*Offered at El Modena and Villa Park High School only*

In the Human Body Systems (HBS) course, students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, and often play the role of biomedical professionals to solve medical mysteries. Students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

**MARINE SCIENCE**

S752 \*  
S752E \*

*Offered at El Modena High School and online only*

Marine Biology is a truly integrated science course. The science concepts are applied to authentic scientific settings, scenarios and investigations. You will learn about life, Earth and physical science, utilizing basic physics and principles of chemistry and scientific and engineering practices. The stage is set for real-world learning as you explore data from a unique and fresh perspective.

**PHYSIOLOGY**

S790 \*^  
S799 HONORS \*^

The course offers a study of anatomy and physiology. It is designed to give students an understanding of the structure and functions of the systems of the body and their relationships, and provide information on careers in the field of nursing, medicine, and public health. Topics include structural and functional organization of the human body, cell physiology, integration of skeletal and muscular systems, senses, circulatory, respiratory and digestive systems, excretory system, endocrine and reproductive systems.

*Physiology is a college preparatory course that meets the University of California life laboratory science entrance requirement.*

**AP BIOLOGY**

S976 \*^

Advanced Placement Biology is a second-year course designed for highly motivated students who have a desire to do college level work. The course includes the eight major themes of biological sciences: science as a process; evolution; energy transfer; continuity and change; relationship of structure to function; regulation; interdependence in nature; and science, technology and society. Because of the extensive quantity of material covered, it is expected that students will study much of the material on an independent basis. Both essay and objective tests will take place during the course. Laboratory work will be an important part of the course and will emphasize quantitative measurements made with biological systems.

**IB BIOLOGY HL**

S979 \*^

*Offered at Canyon High School only*

By studying biology in the Diploma Program students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings

**EARTH SCIENCE**

S853 ^

*Offered at Canyon, Orange, & Richland High School only*

Earth Science is an overview of earth science and insight into the means by which scientific knowledge is acquired. The course is based upon the California Content State Standards for Science with emphasis placed upon developing abilities in problem solving through experimentation and concrete examples. Students will study earth's place in the universe, dynamic earth processes, energy in the earth system, biogeochemical cycles, structure and composition of the atmosphere, California geology, and investigation and experimentation.

**CONCEPTUAL PHYSICS**

S785 \*^

E785 SPECIAL ED

An introductory physics course to help the student increase his/her knowledge of the physical world and to help the student in the relevance of physics in their daily life. Topics include: Mechanics, Properties of Matter, Heat, Sound, Electricity and Magnetism Light Atomic and Nuclear Physics, and Relativity.

**ENVIRONMENTAL SCIENCE**

S870 \*

*Offered at El Modena & Orange High School only*

Environmental Science is designed to emphasize the use of an ecosystem concept in the study of environmental problems. This will be accomplished by learning basic information regarding interrelations of the ecosystem and applying this information in problem solving. The importance of conservation and preservation will be discussed within the constraints dictated by human development and human needs. Environmental Science is an interdisciplinary science including geology, biology, earth science, environmental science and geography.

**CHEMISTRY**

S760 \*^

S769 HONORS \*^

Chemistry is the study of properties that can be used to identify matter, and the techniques to measure those properties. Laboratory activities and cooperative student activities are designed to give the student first hand experiences. Mathematics is used to process and analyze measurements in order to answer questions about matter. Core topics include: atomic and molecular structure, molecular bonds, chemical bonds, conservation of matter and stoichiometry, gasses and their properties, acids and bases, solutions, chemical thermodynamics, reaction rates, chemical equilibrium, organic chemistry and biochemistry, nuclear processes, and investigation and experimentation.

***Chemistry is a college preparatory course that meets the University of California physical laboratory science entrance requirement.***

**CONCEPTUAL CHEMISTRY**

S763 \*

*Offered at Canyon High School only*

Conceptual Chemistry integrates writing, mathematical, laboratory and critical thinking skills as they apply to the concepts and theories of modern chemistry. The course will focus on laboratory work to provide a framework for understanding the structure of atoms and molecules, periodicity, bonding and reactions. Special attention will be given to transfer of learnings to real world situations and applications.

**AP CHEMISTRY**

S984 \*^

Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems, with increased emphasis on chemical calculations and the mathematical formulation of principles. Students participate in reviews and study sessions in preparation for the AP Chemistry exam.

***Prerequisites:*** Completion of high school Chemistry with B or higher



## AP ENVIRONMENTAL SCIENCE

S970 \*^

*Offered at El Modena, Orange, & Villa Park High School only*

AP Environmental Science is designed to emphasize the use of ecosystem concepts to the study of environmental problems. This will be accomplished by learning interrelations of the ecosystem and applying this information in problem solving. The importance of conservation and preservation will be discussed within the constraints dictated by human development and human needs. Environmental Science is an interdisciplinary science, embracing a variety of disciplines, including geology, biology, earth science, environmental science, chemistry, and geography. Students will be expected to participate in reviews and study sessions required by the instructor in preparation for the AP exam. A minimum of seven hours per week is expected to be spent by the student in unsupervised reading and study, in addition to the assigned homework and calculations.

**Additional mandatory labs will occasionally be scheduled.**

## IB ENVIRONMENTAL SYSTEMS AND SOCIETIES SL

S971 \*^

*Offered at Canyon High School*

The Environmental Systems and Societies standard level course aims to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students' attention is constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make in their own lives. It is intended that students develop a sound understanding of the interrelationships between environmental systems and societies, rather than a purely journalistic appreciation of environmental issues. The teaching approach strives to be conducive to students evaluating the scientific, ethical and socio-political aspects of issues.

## PHYSICS

S780 \*^

S789 HONORS \*^

*Physics (S780) is offered at Canyon, El Modena, and Orange High only**Honors Physics (S789) is offered at Orange High School only*

An introductory physics course that helps increase knowledge of the physical world. The material is presented through a wide variety of different media including textbook, laboratory work, film loops, readers, and transparencies. Topics include the study of measurement, motion, forces that cause motion, momentum, and energy (including heat, electrical, atomic, and nuclear), and the properties of waves through a study of sound and light. Physics is a college preparatory course that meets the University of California physical laboratory science entrance requirement.

## CONCEPTUAL PHYSICS

S785

An introductory physics course to help the student increase his/her knowledge of the physical world and to help the student in the relevance of physics in their daily life. Topics include: Mechanics, Properties of Matter, Heat, Sound, Electricity and Magnetism, Light, Atomic and Nuclear Physics, and Relativity.

## AP PHYSICS

S997 \*^

AP Physics is a second year course designed for those highly motivated juniors and seniors who have a desire to do college level work. The course will include kinematics and motion, conservation laws and classical mechanics, optics, thermodynamics, electricity and magnetism, and modern physics. It is expected that students will study much of the material on an independent basis. Laboratory work will be an important part of the course and will emphasize cognitive interpretation of results.



## SCIENCE/PHYSICAL

**AP PHYSICS C: ELECTRICITY AND MAGNETISM**

S994 \*^

*Offered at Villa Park High School Only*

A calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.

**AP PHYSICS C: MECHANICS**

S995 \*^

*Offered at Canyon, El Modena, and Villa Park High School only*

Intended to be a second year Physics course, Physics C allows students to develop a deep understanding of foundational principles in classical mechanics by applying these principles to complex physical situations that combine multiple aspects of physics rather than present concepts in isolation. Students design and conduct inquiry-based laboratory investigations to solve problems through first-hand observations, data collection, analysis and interpretation. Students develop critical thinking skills through applying methods of differential and integral calculus to formulate physical principles and solve complex problems.

**Prerequisite:** Completed Algebra II with a B or better

## SOCIAL SCIENCE

**AP HUMAN GEOGRAPHY**

H900 \*^

*Offered at Canyon, El Modena, & Villa Park High School only*

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

**WORLD HISTORY**

H400 \*^

H410 CTP ACADEMY \*^

E423 SPECIAL ED \*^

*CTP is offered at El Modena only*

Within the World History course, multiple geographical factors, historical and cultural backgrounds will be studied to explain the importance of emerging leadership and the challenges they face in the world of today. Studies will include Latin America, the Middle East, the Indian Sub-Continent, China, Africa, Southeast Asia, Japan, and the former republics of the Soviet Union.

**AP WORLD HISTORY**

H997 \*^

*Offered at El Modena, Orange, Villa Park High School only*

AP World History is equivalent to one year of college level preparation. The purpose of the course is to develop greater understanding of the evolution of global processes 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. The course builds upon an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 C.E. The course is organized by era and specific themes focusing on contacts among societies that form the basis of world history. The areas covered are: Asia, Latin America, Europe, Africa and the United States.

## KEY

\* meets UC approval for "A-G"      ^ meets course requirements for NCAA

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**AP EUROPEAN HISTORY**

H986 \*^

*Offered at Canyon & El Modena High School only*

The AP European History course focuses on developing students' understanding of European History from approximately 1450 to the present. The course has student investigate the content of European History for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other world institutions of power, and individual society) that students explore throughout the course in order to make connections among historical developments indifferent times and places.

**UNITED STATES HISTORY**

H500 \*^

H510 CTP ACADEMY \*^

E424 SPECIAL ED \*^

*CTP is offered at El Modena only*

This course is an examination of major turning points in American history in the twentieth century. Themes to be emphasized are the expanding role of the federal government and federal courts and tensions between the individual and the state. The movements for equal rights for racial minorities and women and the role of the United States as a major world power should also be included.

**AP UNITED STATES HISTORY**

H996 \*^

The AP U.S. History course 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. It prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Practice is provided in writing essays in order to develop the skills necessary to arrive at conclusions based on informed judgment and present reasons and evidence clearly.

**AMERICAN GOVERNMENT**

H600 \*^

H615 CTP ACADEMY \*^

E425 SPECIAL ED \*^

*CTP is offered at El Modena only*

This course is a study of problems and successes in American government and society. Our political institutions are viewed from many perspectives. It deals with the Constitution and its relation to government - local, state, and national. It includes America's role on the international scene and emphasis is placed on the democratic, constitutional nature of our system.

**AP AMERICAN GOVERNMENT AND POLITICS**

H966 \*^

American Government & Politics is designed to give students a critical perspective on politics and government in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. Topics in the course are generally covered in college courses and will prepare students for the advanced placement exam.

**ECONOMICS**

H620 \*^

E426 SPECIAL ED \*^



In this course, students deepen their understanding of the elements of a market economy in a global setting. They learn to make reasoned decisions on economic issues as citizens, workers, consumers, business owners and managers. By the end of this course, students should have an introductory understanding of macro and microeconomic concepts.

## BUSINESS, ECONOMICS, AND FINANCE

O730 \*<sup>A</sup>

O730E ONLINE \*<sup>A</sup>

*Offered at Orange High School and Online only*

This course provides instruction in the fundamental micro and macro-economic principles as they relate to business financial activities and outcomes. Students will gain an understanding of how business and the local, national, and international economy interact to produce a profit or loss. Economic, financial, and accounting concepts taught in this course will enable students to understand key elements involved in planning and managing business financial success.

## AP MACROECONOMICS

H630 \*<sup>A</sup>

*Offered at Canyon, El Modena, & Villa Park High School only*

Economics (Macroeconomics) will give students an understanding of the principles of economics that apply to an economic system as a whole, with a focus on fiscal and monetary policies. Students will deepen their understanding of national income and price determination and develop a familiarity with economic performance measures, economic growth, and international economics. Students will investigate fundamental economic concepts and economic performance indicators.

## AP MICROECONOMICS

H631 \*<sup>A</sup>

*Offered at Orange High School only*

Advanced Placement Microeconomics studies the existence of limited resources and unlimited wants with opportunity costs and tradeoffs playing an important role. The course examines how various economic systems attempt to solve this scarcity problem. The nature and function of product markets are explored by analyzing how goods and services are produced. Supply and demand models, consumer choice, production costs and market structures are the four broad areas of study for product markets. The study of factor markets such as labor, capital and land provides an understanding for the labor supply, wage and employment determination. Arguments for and against government intervention in our competitive market system will be examined. The impact of governmental tax policies and transfer programs on distribution of income and economic efficiency will be analyzed. This course is aligned with the California State Standards for Economics.

**Prerequisite:** Teacher or counselor recommendation

## IB HISTORY OF THE AMERICAS HL

H985 \*<sup>A</sup>

*Offered at Canyon High School only*

The IB Diploma higher level history course aims to promote an understanding of history as a discipline, including the nature and diversity of sources, methods and interpretations. Students are encouraged to comprehend the present by reflecting critically on the past. They are further expected to understand historical developments at national, regional and international levels and learn about their own historical identity through the study of the historical experiences of different cultures.

## IB THEORY OF KNOWLEDGE

H702 \*<sup>A</sup>

*Offered at Canyon High School only*

This course is required for all International Baccalaureate students. The course is not intended to teach students new facts but to enable them to put into perspective what they already know. It is the study of basic concepts rather than methodology and

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for the student to think and apply inter-related concepts. This course covers these five areas of study: (1) the roles of languages and thought in knowledge; (2) the requirement of logical rigor for knowledge; (3) systems of knowledge; (4) value judgments and knowledge; and (5) knowledge and truth.

**Prerequisite:** Teacher or counselor recommendation

## ART I

A701 \*

A lab course in which the use of art elements and design principles are explored through some or all of the following mediums: pencil, charcoal, water color, tempera paint and India ink. Emphasis will be placed on individual self-expression and communication through the art process.

## ART II

A703 \*

A continuation and expansion of the basic design principles explored in Art I. This class is for the more seriously oriented art student. Emphasis will be placed on a broadening of mental and aesthetic processes involved in the communication of expressions in art.

## ART III

A710 \*

This course is designed to allow the individual student the maximum freedom to explore various art mediums of interest. Emphasis will be placed on the student's understanding of the artist's purpose and role in their society in relationship to past cultures. More sophisticated art media will also be introduced.

## ART IV

A712 \*

*Offered at Canyon High School Only*

Art IV is a year-long lecture and lab course in which the student will further explore drawing and painting as a creative and expressive endeavor. Students will continue to create original works of art that reflect in-depth experiences in the use of materials and artistic techniques. Students will continue to develop complex ideas and a personal style. Students will study historical and cultural aspects of contemporary art through research and analysis. Students will continue to investigate universal concepts and apply theoretical perspectives to their own work. Students will continue to develop the portfolios begun in Art I.

## AP STUDIO ART: TWO DIMENSIONAL DESIGN PORTFOLIO

A986 \*

*Offered at El Modena, Orange, & Villa Park High School only*

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design: line, shape, illusion of space, illusion of motion, pattern and texture, and value and color are covered. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. Students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms. These might include graphic design typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking.

## AP STUDIO ART: THREE DIMENSIONAL DESIGN PORTFOLIO

A985 \*

*Offered at El Modena, Orange, & Villa Park High School only*



This portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. In the 3-D Design Portfolio, students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and occupied/unoccupied space) can be articulated through the visual elements (mass, volume, color/light, form, plane, line, texture).

## AP STUDIO ART: DRAWING PORTFOLIO

A987 \*

*Offered at El Modena, Orange, & Villa Park High School only*

Studio Art-Drawing Portfolio is designed to address a very broad interpretation of drawing issues. Upon completion of the course, the student will be able to use drawing to express feelings, ideas, and observations of a personal nature. Appropriate drawing skills such as being able to draw a representational image of a person or object in its situation of space and light in the three-dimensional world is an appropriate skill for the student artist to develop. Being able to draw from an "abstract" point of view or feeling, to express the "real" world abstractly is equally valuable.

**Prerequisite:** AP Studio Art, Two or Three Dimensional Design; portfolio review

## AP ART HISTORY

A976 \*

A976E ONLINE \*

*Offered at Canyon, El Modena, and online through Orange Live*

The AP Art History course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content, as they experience, research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art.

## CERAMICS I

A720 \*

*Offered at El Modena & Orange High School only*

A lab and lecture course that explores the art of ceramics and students create works of art using the medium of clay in a variety of ways. Students will research the historical and cultural contributions of ceramics and learn to analyze and make aesthetic judgments about their artwork.

## CERAMICS II

A722

*Offered at Orange and El Modena High School only*

Ceramics II is an advanced-level core visual arts course that has been articulated with Rancho Santiago College District. It is a continuation and expansion of Ceramics I, with an emphasis on larger and more complex forms than studied in Ceramics I.

## STORY TELLING THOROUGH GRAPHIC NOVELS

A780 \*

*Offered at Canyon High School only*



This course is an introductory critical thinking class covering the fundamentals of storytelling, story structure, and character development. Students will study and apply aspects of graphic novels including visual literacy, design elements and basic principles of cartooning. The content covered in this class serves as a foundation for the Art of Animation 1 course.

## VISUAL &amp; PERFORMING ARTS/VISUAL ARTS

**THEATER ARTS I**

L916 \*

Theater Arts enhances communication through script writing, direction, acting, design, and production. Students build their communication skills through participation in acting exercises, theater games, and scenes from plays. Students will learn basic acting techniques and stage terminology, while developing confidence, and self-awareness and an appreciation of the theater.

**THEATER ARTS II**

L917 \*

Theater Arts 2 is a continuation of Theater Arts 1 offering the experience of participating in an actual performance. The student will further develop his acting abilities and knowledge of makeup, costuming and stage construction. Students gain an appreciation for outstanding playwrights and theater as an art form. Outside of class time is required for rehearsals.

**THEATER ARTS III**

L918 \*

This level provides further development for the student seriously interested in the field of theater. Students will participate in an actual play performance, increasing their acting abilities. They will also learn basic directing techniques through directing fellow class members.

**DRAMA WORKSHOP**

L914 \*

Drama Workshop is designed to meet the needs of students highly interested in the theater. The course may include a dramatic production, a musical theater production or individual theatrical experiences. An overview of the various technical and career aspects of theater will be included.

## VISUAL &amp; PERFORMING ARTS/MUSIC

**ADVANCED TREBLE ENSEMBLE**

M850 \*

*Offered at Canyon, El Modena, & Orange High School*

A course designed for advanced and experienced singers capable of performing music especially appropriate in small ensembles. Significant choral ensemble music of all periods will be studied and performed.

**BAND DRUM LINE**

M772 \*

This course is designed to improve the skills of the student in band and drum line. There will be opportunities for performance with an emphasis on performing as a group. Performance is a required part of successful completion of this course.

**BASS CLEF CHORUS**

M800 \*

*Offered at Canyon, El Modena, & Orange High School*

## KEY

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This course is designed to increase skill in singing in unison and parts; progressive improvement in group performance, music appreciation, and knowledge of music literature.

## BEGINNING BAND

M700 \*

*Offered at El Modena High School only*

Beginning Band is for those students who desire to learn how to play a musical instrument. This course may include performance opportunities. Students will work on individual musical skills and improve their ability to read and interpret musical signs, symbols and notation.

## CHAMBER SINGERS

M840 \*

Designed for advanced and experienced singers capable of performing music especially appropriate in small ensembles. Significant choral ensemble music of all periods, including madrigals, will be studied and performed.

## CONCERT CHOIR

M830 \*

Develops understanding of the nature, structure, and meaning of music through the rehearsal and performances of advanced choral literature. Provides for increasing skill in ensemble singing.

## DRUMLINE

M772

*Offered at Orange High School*

This course is designed to give the student an enriching and diverse instrumental music education. This class provides a number of performance opportunities for the student in a variety of settings. The drumline offers specific instruction for students interested in learning marching and concert percussion. Students will learn how to read music notation and basic rudiments. There will be several off-campus performances and students are required to attend all concerts and rehearsals.

## FOUNDATIONS OF MUSIC THEORY

M760

This course is designed to give the student an enriching and diverse instrumental music education and provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the program, group effort and cooperation is necessary. Students will learn how to read traditional music notation and guitar tablature.

## GUITAR ENSEMBLE

M702

*Offered at Canyon & El Modena High School only*

This course is designed to expose students to elements of music through a hands-on experience. Students will develop skills necessary to learning the guitar. Students will study the basic elements of music and their relationships within music; music notation and reading; major scales; chords and chords notation; and various musical styles including folk, rock, pop, blues, classical, and calypso. Students will provide their own guitar. Students will perform various musical selections utilizing skills acquired during this course.

**HIGH SCHOOL CONCERT BAND**

M710 \*

*Offered at Orange High School only*

This course is designed to improve the skills of the 2nd or 3rd year player. There will be opportunities for performance, and the study of musical literature and structure will be included. Emphasis will be placed on music reading.

**JAZZ ENSEMBLE**

M730 \*

This course is designed for the advanced brass, reed, or rhythm player who desires to explore the jazz idiom. Emphasis is placed on stylistic interpretation and technical perfection, with a large number of performance opportunities.

**MARCHING BAND**

M771 \*

*This course is offered at El Modena, Orange, & Villa Park High School*

This course provides an opportunity for students to participate in a marching band. Marching techniques and music fundamentals are stressed in this course. These concepts are applied in a variety of performances, including half-time shows, field tournaments, and pep assemblies.

*This course gives the student fine art credit but no PE Credit.*

**MIXED CHOIR**

M820 \*

*Offered at El Modena High School only*

Increasing skill in singing in unison and parts; progressive facility in group performance, music appreciation, and knowledge of music literature.

**STRING ORCHESTRA**

M740 \*

Increasing skill in playing a string orchestral instrument, including progressive facility in group performance; appreciation of music, knowledge of musical literature and musical structures.

**SYMPHONIC BAND**

M720 \*

*Offered at Canyon, El Modena, & Villa Park High School*

Symphonic Band is designed for the experienced player. This course will include performance of a variety of musical styles and inclusion of historical music from different compositional periods. Emphasis will be placed on group performance facility.

**TREBLE CLEF CHORUS**

M810 \*

*Offered at Canyon, Orange, & Villa Park High School*

Increasing skill in singing in unison and parts; progressive facility in group performances, music appreciation, and knowledge of music literature.

**VOCAL ENSEMBLE**

M860 \*

*Offered at Villa Park High School only*

Designed for advanced and experienced singers capable of performing music especially appropriate in small ensembles. Significant choral ensemble music of various periods will be studied and performed.

**WIND ENSEMBLE**

M750 \*

*Offered at El Modena High School only*

Wind Ensemble should include the most advanced wind and percussion players. This course is the highest course available, and will include elements of stylistic interpretation, refining intonation skills, a broad spectrum of literature, and direction in advanced technique for each instrument.

**AP MUSIC THEORY**

M870 \*

*Offered at Canyon, El Modena, & Villa Park High School*

The AP Music Theory course corresponds to two semester of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills including dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the learning process. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

**HISTORY OF ROCK N ROLL**

M991 \*

M991-1 \*

M991-2 \*

*Offered at Canyon & El Modena.*

This course focuses on the development of rock and roll music throughout the twentieth century. Students will gain an understanding of basic music theory as it pertains to rock and roll, and special attention will be given to the manner in which sociological, political and economic conditions affected the evolution of this style of music. We will also examine how this music affected historical events, in turn, to create the unique American culture we all live in today.

**FILM ANALYSIS AND CRITIQUE**

A919 \*

*Offered at Villa Park High School only*

This semester long course is designed to introduce the student to the craft of film/television, advertising, and multimedia writing and production. The class environment mimics the real-life atmosphere of a film/television production company or multimedia studio in which students will have the most hands-on experience available at the high school level.

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning



## MEDIA WRITING AND PRODUCTION

X707 \*

*Offered at Villa Park High School only*

Media Writing and Production is a semester long lecture and lab course in which the student will explore the creation, writing, direction, production and evaluation of television programming as a creative and expressive endeavor. Students will create original programming and will learn the vocabulary of the electronic media as they develop all aspects of programming, and will include the chronological sequence of pre-programming, the program itself, and post-production. Through post-production, learners will come to understand the importance in any discipline of the presence of a rubric prior to production, so that success of the work can be assessed during postproduction. This emphasis on constant evaluation applies to many disciplines and times beyond the confines of this course

## CHINESE I

F751 \*<sup>^</sup>

F 751E ONLINE \*<sup>^</sup>

*Offered at Canyon High School & Online only*

Chinese I is designed to help students develop the language skills of listening, speaking, reading, and writing through the study of the basic elements of the sound system of the language, the basic language patterns, and the vocabulary. Emphasis will be placed upon the listening and speaking activities. Reading and writing activities will be introduced simultaneously. Cultural topics will also be presented.

## CHINESE II

F 752 \*<sup>^</sup>

F 752E ONLINE \*<sup>^</sup>

*Offered at Canyon High School & Online only*

Chinese II is designed to continue developing vocabulary, deepening the understanding of word formation and sentence structure of the Chinese language, and to further develop listening, speaking, and writing skills. Cultural topics will also be addressed.

**Prerequisite:** Chinese I with a grade of C or better

## CHINESE III

F753 \*<sup>^</sup>

F753E ONLINE \*<sup>^</sup>

*Offered at Canyon High School & Online only*

Chinese III is designed to continue developing vocabulary, deepening the understanding of word formation and sentence structure of the Chinese language. It also further develops the student's control of the language through listening, speaking, and writing activities to build proficiency in using the Chinese language in a variety of real-life situations. Commensurate with the ACTFL Performance Guidelines and the Language Learning Continuum Categories as stated in the Foreign Language Framework for California Public Schools. Culture topics will be further presented also.

**Prerequisite:** Chinese II with a grade of C or better

## STEP INTO THE WORLD OF ENTREPRENEURSHIP: CHINESE 3 - HONORS

F762 \*

*Offered at Canyon High School only*





This course will prepare students with the foundational knowledge of Entrepreneurship within the framework of Stage II of the Language Learning Continuum in a level three high school Chinese language course. The objective is to prepare students to be both college and career-ready to enter the global workspace. Students, whether interested in entrepreneurial pursuits or fulfilling the World Language requirements of college admission, will be developing the linguistic and cultural competencies in Chinese, as well as the critical thinking skills necessary to successfully collaborate and compete in today's entrepreneurial global business context. The course integrates technology, cultural awareness, real-world business practice, and the fundamental linguistic competencies derived from the interpretive, interpersonal and presentational communication modes framework for World Language learning.

## AP CHINESE

F755 \*^

*Offered at Canyon High School only*

AP Chinese Language and Culture will bring the students an opportunity to further develop their four language proficiency skills: listening, speaking, reading and writing in the intermediate to Advanced level range across the three communicative modes (interpersonal, interpretive, and presentational) and the five Cs (communication, culture, connections, comparisons and communities) as defined in the Standards for Foreign Language Learning in the 21st Century. The course provides the students an opportunity to totally immerse in the richness of Chinese Language and Culture by introducing varied aspects of both contemporary and historical Chinese culture. The class is conducted almost exclusively in Mandarin Chinese; the students are required to speak in Chinese as much as possible.

**Prerequisite:** C or better in Chinese III or Teacher Recommendation

## IB MANDARIN SL

F756 \*^

*Offered at Canyon High School only*

Mandarin IB SL is intended for the student who is fluent in the Chinese language. The Chinese 5 student progresses toward a more sophisticated level of reading and writing the modern Chinese language. Classical Chinese will also be introduced. A flexible format emphasizes individual needs and much of the work is done independently. The student is expected to do a detailed analysis of major short stories, essays, novels, plays, and poems and to express analysis in clear expository writing. Copies of previous International Baccalaureate tests are examined and discussed. Continued use of literary genres, magazines and newspapers provides the student with deeper understanding of the culture.

**Prerequisite:** C or better in Chinese III or Teacher Recommendation

## FARSI I

F758 \*^

*Offered at Villa Park High School only*



Farsi I is an introductory course where students learn to speak, write and read at a beginning level. This course will allow students with the opportunity to read authentic text to pick up patterns in formulaic language. This includes reading for a purpose and reading different material(s) such as short stories, dialogues, and poems. The program will also enable students to produce written text, which includes using diagrams, outlines, and story maps to identify a writing plan. To achieve competence in reading and writing, mastery in oral language must be developed as a foundational piece. Due to the fact that listening and speaking are inseparable in real life settings, students will be developing these skills simultaneously in the classroom alongside the reading and writing. This course allows for numerous projects and activities that enable students to use the target language in applicable, real-life situations.

## FARSI II

F759 \*^

*Offered at Villa Park High School only*

Farsi II is a course where students continue to expand their speaking, writing and reading skills. This course will allow students the opportunity to listen and respond to a variety of semi long and semi difficult spoken text and media works. This includes expressing ideas, feelings, and opinions on familiar topics, correct punctuation and appropriate intonations. The program will also enable students to continue the production of written text, which includes using diagrams, outlines, and story maps to identify a writing plan. To achieve competence in reading and writing, mastery in oral language must be developed as a foundational piece. Due to the fact that listening and speaking are inseparable in real life settings, students will be developing these skills simultaneously in the classroom alongside the reading and writing. This course allows for numerous projects and activities that enable students to use the target language in applicable, real-life situations.

**Prerequisite:** C or better in Farsi I or Teacher Recommendation

## AP CHINESE

F760 \*^

*Offered at Villa Park High School only*

Farsi III is a course where students continue to expand their speaking, writing and reading skills. This course will enable students to listen and respond to a variety of complex texts and media works. This includes expressing ideas, feelings, and opinions on familiar topics, correct punctuation and appropriate intonations. The program will also enable students to continue the production of written text, which includes using diagrams, outlines, and story maps to identify a writing plan. This course allows for numerous projects and activities that enable students to use the target language in applicable, real-life situations.

**Prerequisite:** C or better in Farsi II or Teacher Recommendation

## FARSI IV

F761 \*^

Farsi IV is a course where students continue to expand their speaking, writing and reading skills. This course will enable students to listen and respond to a variety of complex texts and media works. This includes expressing ideas, feelings, and opinions on familiar topics, correct punctuation and appropriate intonations. The program will also enable students to continue the production of written text, which includes using diagrams, outlines, and story maps to identify a writing plan. This course allows for numerous projects and activities that enable students to use the target language in applicable, real-life situations.

## FRENCH I

F701 \*^

French I is designed to help the students develop language skills of listening, speaking, reading, and writing through the study of basic elements of the sound system of language, the basic structural patterns, and useful activities. An introduction to French culture is made through the reading selections. Chapter notes, geographical study of the Francophone world, video activities, music, and role play.

## FRENCH II



F702 \*^

French II is designed to help the students develop language skills of listening, speaking, reading, and writing through the study of basic elements of the sound system of language, the basic structural patterns, and useful activities. An introduction to French culture is made through the reading selections. Chapter notes, geographical study of the Francophone world, video activities, music, and role play.

**Prerequisite:** C or better in French I

## FRENCH III

F703 \*^

French III is designed to further develop the student's control of the language through listening, speaking, reading, and writing activities. The major emphasis is placed upon listening and speaking; however, reading and writing activities are presented simultaneously. There is further study of cultural topics.

**Prerequisite:** C or better in French II

## FRENCH IV

F704 \*^

The French IV Language class is designed to prepare students for the Advanced Placement French Language exam. Students enrolled in the class have successfully completed three years of prior study and possess a strong command of the language. The class is taught in French and is the equivalent of a third-year college course which develops students' reading, writing, listening, and speaking skills.

**Prerequisite:** C or better in French III

## AP FRENCH LANGUAGE & CULTURE

F976 \*^

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

**Prerequisite:** C or better in French III

## IB FRENCH SL

F707 \*^

*Offered at Canyon High School only*

The International Baccalaureate World Language course is an advanced course designed for the highly motivated student who is ready for college level work. The course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. The course will continue to develop language skills, which enable the student to achieve college-level proficiency in speaking, reading, and writing of the language. It will be conducted entirely in the target language.

**Prerequisite:** C or better in French III

## GERMAN I

F710 \*^

*Offered at Villa Park High School only*



German I is the first level of a language study program designed to develop the student's ability to understand, speak, read, and write the German Language. It offers a study of pronunciation, vocabulary, and grammatical structures through oral and written activities. It also offers an introduction to the life and culture in German speaking countries.

## GERMAN II

F712 \*^

*Offered at Villa Park High School only*

German II is the second level language course which seeks to expand and reinforce the fundamental knowledge acquired in German I. Grammatical principles are reviewed and expanded, and new vocabulary is acquired. Cultural, historical and geographical topics are emphasized through introduction of new reading materials.

**Prerequisite:** C or better in German I

## GERMAN III

F713 \*^

*Offered at Villa Park High School only*

German III is an advanced language course which continues the development of the student's four (4) basic language skills through a study of selected readings of German prose, poetry and drama. Conversation and composition are emphasized. German is the principal language of instruction during the class period.

**Prerequisite:** C or better in German II

## GERMAN IV

F714 \*^

*Offered at Villa Park High School only*

German IV is a course designed for outstanding students of the language. It serves as the natural stepping stone to college German courses for the student who began his or her study of the language in seventh grade. German IV will combine readings of the masterpieces of German Literature from the 17th Century to the present, edited readings of current German magazines and articles and independent readings selected by the student. All class discussion will be held in German.

**Prerequisite:** C or better in German III

## AP GERMAN

F996 \*^

*Offered at Villa Park High School only*

The Advanced Placement German course is an advanced course designed for the highly motivated student who is ready for college level work. The course will continue to develop language skills, which enable the student to achieve college-level proficiency in speaking, reading, and writing German. It will be conducted entirely in German.

**Prerequisite:** B or better in German III

## LATIN I

F720E \*

\* meets UC approval for "A-G"      ^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning



Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius.

The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). The course content is aligned to the American Council on the Teaching of Foreign Languages (ACTFL) standards and concurs with the Cambridge Latin Course.

## SPANISH I

F730 \*^

F730E ONLINE \*^

Spanish I is designed to help students develop the language skills of listening, speaking, reading, and writing through the study of the basic elements of the sound system of the language, the basic language patterns, and the vocabulary. Emphasis will be placed upon the listening and speaking activities. Reading and writing activities will be introduced simultaneously. Cultural topics will also be presented.

## SPANISH II

F731 \*^

F731E ONLINE \*^

Spanish II is designed to further develop the student's control of the language through listening, speaking, reading, and writing activities. Emphasis is placed upon listening and speaking; however, reading and writing activities assume greater importance than at the first two levels. There is further study of cultural topics.

**Prerequisite:** C or better in Spanish I

## SPANISH III

F732 \*^

F732E ONLINE \*^

Spanish III is designed to further develop the student's control of the language through listening, speaking, reading, and writing activities. Commensurate with the ACTFL Performance Guidelines and the Language Learning Continuum Categories as stated in the Foreign Language Framework for California Public Schools. Emphasis is placed upon listening, and speaking; however, reading and writing activities assume greater importance than at Levels I and II. There is further study of cultural topics.

**Prerequisite:** C or better in Spanish II

## SPANISH IV

F733 \*^



Spanish IV provides a two-fold program: (1) to reinforce and to refine the student's control of the language, its sound system, its structure and vocabulary through listening, speaking, reading, and writing activities; (2) to develop cultural and cross-cultural understanding of Spanish speaking countries (the people and their lives) through the study of representative reading selections and current materials, such as Spanish magazines and newspapers. There is extensive practice to increase listening, speaking, reading, and writing competency to the level required to pass the SAT subject Exam and to prepare the student for the level of work required in the Advanced Placement Spanish Language Course.

**Prerequisite:** C or better in Spanish III

## SPANISH 4 FOR PATIENT CARE: ¡SOCORRO! - HONORS

F746 \*

*Offered at Canyon High School Only*

Spanish 4 for Patient Care is a UC designated honors course developed using the new CTE content standards and aligns with the Patient Care pathway standards within the Health, Science, Medical Technology CTE sector. Medical caregivers must be able to communicate with the Spanish-speaking patient on a medically and linguistically appropriate level. Students will build a framework for practice with management of health-related situations such as an infectious disease outbreak, treatment of injuries, cardiopulmonary complications, and diabetes. From this established foundation of common scenarios encountered in medical settings, students will incorporate standard medical terminology, knowledge of anatomy and physiology, and patient assessment with clear, accurate Spanish communication in an effort to fuse the medical responder with the medical communicator. This hybrid Spanish-Healthcare provider responder represents the future of accurate, responsible healthcare, paving a road to uncompromised medical services for the Spanish-speaking patient.

## AP SPANISH LANGUAGE & CULTURE

F986 \*^

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

**Prerequisite:** Spanish III or Native Speaker

## AP SPANISH LANGUAGE & CULTURE

F986 \*^

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

**Prerequisite:** Spanish III or Native Speaker

## AP SPANISH LITERATURE & CULTURE

F987 \*^

*Offered at Orange and El Modena High Schools only*



The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).

**Prerequisite:** Completion of AP Spanish with a grade of B or better or successful completion of the AP Language Exam with a score of 3 or better.

## SPANISH IB SL

F737 \*^

*Offered at Canyon High School only*

The International Baccalaureate World Language course is an advanced course designed for the highly motivated student who is ready for college level work. The course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. The course will continue to develop language skills, which enable the student to achieve college-level proficiency in speaking, reading, and writing of the language. It will be conducted entirely in the target language.

## SPANISH FOR SPANISH SPEAKERS I

F735 \*^

*This course is offered at El Modena, Orange & Villa Park High School*

Spanish for Spanish Speakers is a course designed for the native speaker to challenge and further enrich his/her ability to communicate in Spanish. The course will emphasize written communication, as well as verbal articulation, through the study of significant Spanish literary selections and contemporary Spanish publications which will enhance written and verbal communication skills. NOTE: This course will satisfy one year of credit towards college entrance requirements.

**Prerequisite:** Test by Instructor

## WORLD LANGUAGES

## SPANISH FOR SPANISH SPEAKERS II

F736 \*^

*This course is offered at El Modena, Orange & Villa Park High School*

Spanish for Spanish Speakers II is a continuation of the first course for native Spanish speakers. It is designed for students who already speak, read and write in Spanish and will continue instruction in vocabulary, spelling (including diacritical marks), grammar, and writing for specific purposes. Particular attention will be given to expanding students' knowledge of these areas beyond their particular region of origin. Utilizing standard Spanish with expanded vocabulary will enable students to communicate with the greatest number of Spanish speakers around the world. Throughout the course, students will be exposed to the various Hispanic cultures around the world and the connection that exists between the Hispanic community and the world around it as well as the diversity of the cultures of Spanish speaking people from the various continents. Students will read short stories, poetry and selections from novels by great Hispanic authors who have gained fame for their achievements.

**Prerequisite:** Spanish for Spanish Speakers I or approval of Instructor

## AC AD

## ANNUAL I

L930

## KEY

\* meets UC approval for "A-G"      ^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning



Annual I is an introductory course designed to acquaint students with the various aspects of journalistic writing, page design, advertising, sale and publication of a modern yearbook. The student develops skills in research and interviewing, as well as news, feature, sports, and mini-report writing. Fluency, accuracy, grammar, spelling, punctuation, and creativity are emphasized. The student will design a book cover and content incorporating all the elements of graphic design, layout style, photography, typography, and writing style into a unified and appealing theme.

## ADVANCED ANNUAL

L933

All students are responsible for developing a plan, design, and theme for the book, assigning stories, gathering and processing information, writing copy, taking pictures, cropping and manipulating photos and other graphic elements using digital imaging software (i.e., Adobe, Microsoft, etc.), copy reading and fitting, proofreading, fundraising, including advertising and book sales, and book distribution.

## AVID 9

X210

AVID (*Advancement Via Individual Determination*) is an elective course designed to prepare students for entrance to four-year colleges, with emphasis on analytical writing, preparation for college entrance and placement exams, college study skills, test-taking, note-taking, and research skills. This elective seminar follows a weekly structure of two days of teacher-led curriculum per week, two days of tutorials, one day allocated for motivational activities, and mini-courses taught by college instructors with visits to colleges, museums, art galleries, or drama productions.

## AVID 10

X211

AVID, grade 10, is an extension of the elective course AVID 9. The goal is to develop and offer AVID classes for grades 9-12 so that each year the AVID-enrolled student may progress in their preparation for four-year college/university attendance. AVID 10 follows AVID 9 with more in-depth training. This elective seminar follows a weekly structure of two days of teacher-led curriculum per week, two days of tutorials, one day allocated for motivational activities, and mini-courses taught by college instructors with college visitations and cultural field trips.

## AVID 11

X212

The third-year of AVID continues, at a more in-depth level, the goal of preparing students for entrance to four-year colleges. Students receive assistance with applying for college, researching financial aid and housing, and preparing and registering for college entrance and placement exams. Students learn to develop strategies to identify and fulfill personal and academic goals; define long-term goals based on interests, talents, and abilities; develop techniques to attain personal and academic goals; and to demonstrate skills in reading, language arts, and mathematics sufficient for college admission.

## AVID SENIOR SEMINAR

X213 \*

*Offered at El Modena, Orange, & Villa Park High School*

The AVID Senior Seminar is a two-year interdisciplinary 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. Students will engage in higher levels of WIC-R (writing, inquiry, collaboration and reading) strategies than experienced in prior years of AVID.

These higher level thinking, reading, writing and oral language skills are needed to prepare students for the level of work required to produce a culminating research project at the end of the senior year.

## AP COMPUTER SCIENCE A

N996 \*





Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development. Learn to design and implement computer programs that solve problems relevant to today's society, including art media, and engineering. The course provides instruction in how to apply programming tools and solve complex problems through hands-on experiences and examples. This includes the development and analysis of algorithms and fundamental data structures, and the use of logic and formal methods.

## AP COMPUTER SCIENCE PRINCIPLES

O932 \*

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

**This course is UC approved as a "G" elective and may afford a student math credit for graduation.**

## EXPLORING COMPUTER SCIENCE

O651 \*

This is the first course in the Information and Computer Technology (ICT) Sector Pathways. Students are introduced to the foundations of Computer Science using an inquiry-based, hands-on approach to understand and solving real world computing problems. Instruction includes the areas of Human Computer Interaction, Problem Solving, Web Design, Programming, Data Analysis and Robotics. Emphasis is placed on the creative, collaborative, interdisciplinary and problem-solving nature of computing. Upon completing the course, students will be prepared to pursue more advanced courses in the pathway, and to further their exploration of college and careers in the ICT Industry.

***Exploring Computer Science is UC approved as a "G" Elective.***

***NOTE: This course follows the National Course outline developed by UCLA and LAUSD.***

## JOURNALISM I

L920 \*

Journalism I is an introductory course designed to acquaint the student with the many aspects of news writing and publication of a modern newspaper. Students will practice and develop skills in different types of news gathering, news writing, fundamentals of photography, and the fundamentals of page design. All aspects of the course will focus on the ethics that are essential to the practice of journalism.

## ADVANCED JOURNALISM

L923

Advanced Journalism is a yearlong lecture and lab course in which the student will explore graphic design and photography as a creative experience. Students will learn the vocabulary of visual arts as applied to layout design and apply it to their own work and those of others. The classes teaches how to use graphic design software to create visually stimulating and creative layouts; understand and learn to use photographic equipment and how to implement photo journalism as art. Students produce an original periodical; learn about the historical and cultural significance of media; chronicle events and issues that a modern day high school will encounter; learn the vocabulary connected to communicating with a professional printing company. Advanced journalism students produce an aesthetically pleasing completed publication using a variety of electronic and digital imaging equipment; and become educated consumers and active members of print and visual media.

## LEADERSHIP

X700

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning



The fundamentals of parliamentary procedure, the enactment of student government law and constitutional revision, and instruction in the adequate use of leadership qualities form the basic content of this course. The student will have experience in organizing, implementing, and evaluating leadership responsibilities in practical situations.

## PSYCHOLOGY

H701 \*^

Psychology is a study of factors that influence human behavior, the structure of groups, and the role of the individual in groups. It deals with human personality, the family, the development of satisfying interpersonal relationships, and the development of a healthy, mature, and realistic concept of self.

## AP PSYCHOLOGY

H956 \*^

The purpose of AP Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. In this course, students will examine, model, and practice, techniques which will enhance his/her self-confidence, note taking skills, writing skills, and home study skills across the curriculum, as well as investigate selection techniques for post-high school education choices.

## AP RESEARCH

X217 \*

*Offered at El Modena only and Villa Park only*

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong research based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

## AP SEMINAR

X216 \*

*Offered at El Modena only and Villa Park only*

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

## REHEARSAL PRODUCTION AND PERFORMANCE

\* meets UC approval for "A-G"      ^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning



X890

Rehearsal, Production, and Performance is a collaborative class in which students who have been cast in a play will go through the rehearsal process for a play or musical that will be presented for public performance. Students who have been given significant production tasks (stage manager, assistant to the director, student choreographer, and/or student musical director) will work with the instructor(s)/ director(s) through the rehearsal and performance process.

## THEATER TECH I

X717

*Offered at El Modena and Orange High Schools Only*

This course provides instruction and training for students interested in stage design. Students that achieve competency in this course will develop skills in stagecraft design and will be prepared for entry-level employment. Entry-level positions include set decorator, set designer and assistant art director. Instruction and hands-on experience includes set architecture, design elements, stage management, lighting design, costume design and make-up application.

## THEATER TECH II

X718

*Offered at El Modena only*

In this course, students will further explore their knowledge of theoretical and practical applications of stagecraft. Students will research theatrical design and produce original unified designs for sets, as well as lighting, sound and costume plots. In addition, they will act as crew chiefs, directors, stage managers and business managers, assuming oversight responsibility for various aspects of school productions. Students will develop a portfolio, including designs and promptbooks, for college entry and/or professional consideration.

## LIBRARY MEDIA SCIENCE

X712

Students enrolled in this course will receive practice in the daily operation of the middle school library media center. Various independent study skills will be learned, enriching their use of this facility for the rest of their school career. Various career opportunities in the field of library science will also be explored. Specifically, the students will expand their talents and skills, as well as enrich their learning opportunities in areas of research ability, clerical tasks, technical functions, and creative experiences.

Parent permission required.

## PEER ASSISTANT LEADER (PAL)

X730

This course provides selected students with an opportunity to be trained to work as a Peer facilitator with younger students on their own campus or from their feeder schools. PAL students will learn skills which will provide them to help younger students have a more positive and productive school experience.

Parent permission required.

## PEER TUTOR

X890

Students in this course act as peer mentors and small group/one on one tutors for students in a variety of subject areas. Students are expected to be proficient in the subject matter being taught.

Permission of instructor and parent are required for this class.

NON ACADEMIC  
ELECTIVE

NON ACADEMIC ELECTIVE

KEY

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

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**TEACHING ASSISTANT/OFFICE ASSISTANT**

X870/X711

Students in this course provide clerical support for the instructor or staff. This may include filing, running call slips, and organizing paperwork.

An application and parent/staff permission is required for this class.

**ADDITIONAL GRAD  
REQUIREMENT****HEALTH**

S300

S300E ONLINE

Health is a one quarter 2.5 credit course that provides students with the information necessary to examine their life styles, select goals, and make plans to achieve and maintain optimum health. This involves choosing behaviors that prevent illness/accidents, and promote health for oneself and others. Emphasis on responsible decision making, effective communication skills and acceptance of personal responsibility for lifelong health is incorporated throughout the course.

**CAREER TECHNICAL EDUCATION (CTE) PATHWAYS****AGRICULTURE & NATURAL RESOURCES SECTOR****Animal Science Pathway (103)**

Offered at Orange High School



Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Animal Care I ( <b>UC-G</b> )	O700 *	Introductory
02	Animal Care II	O701	Concentrator
02	Veterinary Science ( <b>UC-G</b> )	O703 *	Concentrator
03	Professional Internship	O203	Capstone

**KEY**

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning

**ANIMAL CARE I**

O700 \*

This course provides students with classroom instruction in the animal care field. Essential employability skills include career opportunities in the animal care field, plus personal and interpersonal skills, career development and employment literacy. The class includes content area instruction in: animal handling and restraint, medical/scientific terminology, immunology/physiology, sanitation, safety, nutrition/health, domestic/exotic breeds and species, genetics, cellular biology, animal behavior, conservation/ecology, evolution and animal traits, scientific theory and general animal husbandry. Students may continue in Animal Care II for an internship experience. Course meets California science standards and affords students 10 credits of Life Science for graduation. **Animal Science is UC approved as a "G" Elective.**

**ANIMAL CARE II**

O701

Course combines classroom instruction and community classroom internship for those students who would like to enter or expand their skills in the animal care field. Students will select a focus area for internship training: zoo/nature center, veterinary, kennel, pet store, groomer or stable. Those students who obtain related employment are eligible for expanded CTE hours to attain higher level proficiencies. Students will concentrate on higher level thinking skills and expand their knowledge of: ecology and conservation, animal health and safety, animal behavioral concepts and operant condition techniques. Students will learn canine CPR and first aid, practice public speaking and develop a working portfolio. Students will explore further into career choices with field trips and in-classroom speakers. Students will be required to present a research presentation on an endangered species as a final project.

**VETERINARY SCIENCE**

O703 \*

Students will acquire an understanding of advanced animal principles. The combination of science projects, lab experience and academic research enables students to become knowledgeable in the field of veterinary science. This course prepares students for post-secondary level education, leading to careers in animal science, biology, zoology, and/or veterinary science. **Veterinary Science is UC approved as a "G" Elective.**

**PROFESSIONAL INTERNSHIP**

O203

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**ARTS, MEDIA, & ENTERTAINMENT SECTOR****Animation Pathway (111)**

Offered only at Orange High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus AME	O727	Introductory
02	Art of Animation I (UC-F)	O945 *	Concentrator
03	Art of Animation II (UC-F)	O944 *	Capstone
03	Professional Internship	O211	Capstone

**CAREER FOCUS: ARTS, MEDIA & ENTERTAINMENT**

O727

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

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Through this course, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

## ART OF ANIMATION I

O945 \*

This course is designed to teach students the basics of animation. Students learn how to plot, script, storyboard, present, and create animations using the principles of animation and basic techniques including staging, timing, mechanics and kinetics. Drawing skills, life drawing, storytelling, mechanics of motion and animation camera techniques will be an integral part of the course. The format of classroom instruction will be lecture, demonstration, individual and team-based projects, presentations and hands-on classroom work.

*This course meets the Visual and Performing Art ("F") requirement for admission to the University of California.*

## ART OF ANIMATION II

O944 \*

This course is designed to broaden and refine the skills and techniques presented in The Art of Animation I and to add advanced computer animation, production and performance skills. The format of classroom instruction will be lecture, demonstration, individual and team-based projects, presentations and hands-on classroom work.

*This course meets the Visual and Performing Art ("F") requirement for the University of California.*

## PROFESSIONAL INTERNSHIP

O211

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.



## ARTS, MEDIA, & ENTERTAINMENT SECTOR

### Digital Photography Pathway (111)

Offered at Canyon, El Modena, Orange, & Richland

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus AME	O727	Introductory
02	Art of Digital Photo I ( <b>UC-F</b> )	O748 *	Concentrator
03	Art of Digital Photo II ( <b>UC-G</b> )	O737 *	Capstone
03	Yearbook Digital Media Comm. & Marketing ( <b>UC-F</b> )	O597 *	Capstone
03	Professional Internship	O211	Capstone

## C F CAREER FOCUS: ARTS, MEDIA & ENTERTAINMENT

### KEY

\* meets UC approval for "A-G"      ^ meets course requirements for NCAA

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## O727

Through this courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**ART OF DIGITAL PHOTOGRAPHY I**

## O748 \*

This course provides an introduction to the art and appreciation of digital photography. Students will explore the basic elements of composition and the principles of design including light, movement, and color theory. Combining training in camera operation and image editing with artistic theory, students will learn to visually communicate their ideas and creativity.

***This course meets the Visual and Performing Art ("F") requirement for admission to the University of California.***

**ART OF DIGITAL PHOTOGRAPHY II**

## O737 \*

Art of Digital Photography II will continue where Art of Digital Photography leaves off, by using similar but advanced software and photo skills for graphic and image manipulation to create commercial graphic products and aesthetic fine art images while promoting technological and visual literacy. The goals of this specific course are to develop advanced digital artists and photographers by teaching a variety of skills and outcomes that will include not only traditional imaging projects but advanced photojournalism and photo manipulation techniques.

***Art of Digital Photography II meets the College Preparatory Elective ("G") requirement for admission to the University of California.***

**YEARBOOK DIGITAL MEDIA COMMUNICATIONS AND MARKETING**

## O597 \*

Yearbook Design is a yearlong course designed to have students understand the role of visual art and design, and its impact on society and culture, particularly in publication mediums. The course will focus on students understanding a designer's target audience and stimulating creativity through a variety of two-dimensional media. Then, students will apply this artistic process to create designs for the yearbook publication. Finally, they will maintain the integrity of design through the editing process, while collaborating and communicating with their colleagues on the yearbook staff. The assignments in the course will demonstrate a student's ability to apply the principles of design and effectively communicate their message. Assignments will also have students process, respond to, and judge design works using their knowledge of the elements of art and the principles of design.

***This course meets the Visual and Performing Art ("F") requirement for admission to the University of California.***



## CTE/AME

**PROFESSIONAL INTERNSHIP**

O211

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**ARTS, MEDIA, & ENTERTAINMENT SECTOR****Graphic Design Pathway (111)**

Offered at Canyon, El Modena, Orange, Richland, & Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus AME	O727	Introductory
02	Art of Graphic Design I (UC-F)	O942 *	Concentrator
03	Art of Graphic Design II (UC-F)	O952 *	Capstone
03	Professional Internship	O211	Capstone

**CAREER FOCUS: ARTS, MEDIA & ENTERTAINMENT**

O727

Through this courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**ART OF GRAPHIC DESIGN I**

O942 \*

This course introduces students to the art of graphic design. Students learn about the history and development of this art form, explore cultural influences and examine its role in societies from different parts of the world. Students will demonstrate their knowledge of the elements of art and principals of design while developing and refining their creative skills using a variety of media including digital.

*This course meets the Visual and Performing Art requirement ("F") for admission to the University of California.*

**ART OF GRAPHIC DESIGN II**

O952 \*

This course builds on the competencies completed in Art of Graphic Design I. Content area skills include advanced drawing skills, representing complex data in graphical form, industrial package design, advanced typesetting skills, working with clients, and production of more complex documents with layout programs.

*This course meets the Visual and Performing Art requirement ("F") for admission to the University of California.*

**PROFESSIONAL INTERNSHIP**

O211

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

## CTE/ARTS, MEDIA, &amp; ENTERTAINMENT SECTOR

## KEY

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

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**ARTS, MEDIA, & ENTERTAINMENT SECTOR****Video Game Design Pathway (111)***Offered at Orange and Richland High Schools*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus AME	O727	Introductory
02	Video Game Design I	O622	Concentrator
03	Video Game Design II	O620	Capstone
03	Professional Internship	O211	Capstone

**CAREER FOCUS: ARTS, MEDIA & ENTERTAINMENT****O727**

Through this courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**VIDEO GAME DESIGN I****O622**

This is an introductory course into the growing field of Video Game Design. Students will learn the basic concepts of game design, together with a study of the technologies, tools and languages. Instruction will include hands-on experiences with 2D & 3D modeling and animation.

**VIDEO GAME DESIGN II****O620**

This is the second course in the Video Game Design program. Instruction includes the study of 2D & 3D game design concepts, technologies and programming, including 3D modeling, animation, scripting and production. Students will create a professional portfolio while developing intermediate skills and knowledge in game design, concept development, storyboarding, character development, and user interfaces.

**PROFESSIONAL INTERNSHIP****O211**

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**ARTS, MEDIA, & ENTERTAINMENT SECTOR****Video Production Pathway (111)**

Offered at Canyon, Orange, El Modena, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus AME	O727	Introductory
02	Art of TV & Video Production (UC-F)	O946 *	Concentrator
03	Advanced Art of TV & Video Production (UC-G)	O947 *	Capstone
03	Professional Internship	O211	Capstone

**CAREER FOCUS: ARTS, MEDIA & ENTERTAINMENT****O727**

Through this courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**ART OF TV AND VIDEO PRODUCTION****O946 \***

This course is designed to provide students with the skills necessary to gain entry-level employment at a cable studio, video production company or to begin working independently as a self-employed videographer. Content area skills include video production theory and operation of equipment. Instruction focuses on hands-on skill development. Internship experience is optional, available to interested students with time.

*This course meets the Visual and Performing Art requirement ("F") for admission to the University of California.*

**ADVANCED ART OF TV & VIDEO PRODUCTION****O947 \***

This course builds on the introductory skills learned in Art of TV and Video Production I. Essential employability skills focus on enhancing work-related personal and interpersonal skills. Career development focuses on career goals in the video production industry. Students continue to develop writing, shooting and editing skills in a video production studio. They are also introduced to the complexities of remote location shooting procedures. Interested students can serve on optional production crews or at internship sites for additional real world experience.

*This course meets the College Preparatory Elective requirement ("G") for admission to the University of California.*

**PROFESSIONAL INTERNSHIP****O745**

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**ARTS, MEDIA, & ENTERTAINMENT SECTOR****Dance Pathway (112)***Offered at Canyon, El Modena, & Villa Park High School*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Professional Dance I	O707	Introductory
02	Professional Dance II	O709	Concentrator
03	Professional Dance III	O706	Capstone
03	Art of Dance Comp ( <b>UC-F</b> )	O715 *	Capstone

**PROFESSIONAL DANCE I**

O707

Professional Dance is for the student who would like to explore and prepare for careers in the dance pathway. Students will learn the physical conditioning and preparation needed to prepare for post-secondary education and/or employment. Dance technique will be perfected in a variety of disciplines through both a traditional dance class format and showcase performances.

**May be used for high school P.E. credit.****PROFESSIONAL DANCE II**

O709

This is the second course in the Professional Dance sequence. Students continue to perfect their dance technique in a variety of disciplines while building choreographic and production skills.

**May be used for high school P.E. credit.****PROFESSIONAL DANCE III**

O706

This is the third course in the Professional Dance sequence. Students continue to perfect their dance technique in a variety of disciplines while building choreographic and production skills.

**May be used for high school P.E. credit****ART OF DANCE COMPOSITION**

O715 \*

This course will develop student's ability to translate emotional and dramatic content into personal dance performances of an increasingly complex range of combinations and variations. Students will recognize and enhance their personal movement style and individual creative process in order to develop choreographic phrases. Observation, discussion, and writing skills relevant to interpretation and evaluation of choreography will be refined. Through research, analysis, and demonstration, students will develop a deeper understanding of the history and cultures of dance forms and well known choreographers. An in-class showing, a final showcase performance of personally choreographed dances, and a personal dance portfolio will serve to provide measures of student achievement.

***This course meets the Visual and Performing Art requirement ("F") for admission to the University of California.***

**BUSINESS & FINANCE SECTOR****Business Management Pathway (182)**

Offered at Canyon, El Modena, Orange, Richland High School, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Business	O726	Introductory
02	Principles of Business	O824	Concentrator
02	Application of Business Technology (UC-G)	O630 *	Concentrator
02	Entrepreneurship I	O744	Concentrator
02	International Business	O628E	Concentrator
02	Global Marketing	O628E	Concentrator
02	Marketing I	O910	Concentrator
03	Web Design & Development	O749E	Capstone
03	Marketing and Society (UC-G)	O912E *	Capstone
03	Business, Economics, & Finance (UC-G)	O730/O730E *	Capstone
03	Professional Internship	O282	Capstone

**CAREER FOCUS BUSINESS**

O726

Through this courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**PRINCIPLES OF BUSINESS**

O824

Principles of business is a year-long course divided into two semesters that introduces students to the basic fundamentals of business through projects, case studies, and a variety of activities. Students learn about various careers and tasks involved in the daily operation of a business. Career and business categories include the areas of accounting, business communication, business ethics, economics, entrepreneurship, finance, human resources, information technology, international business, management, and marketing.

**APPLICATION OF BUSINESS TECHNOLOGY**

O630 \*

In this course, students will develop expertise in Microsoft Office applications. Students learn the different tasks involved in the daily operation of a business, and use the appropriate software and systems to complete these tasks. Communication and Technology Certification for Business provides students with opportunities to develop 21st century skills and as well as equips them to pursue post-secondary education and advancement in the field. Communication and Technology Certification for Business concentrates on Microsoft Office PowerPoint, Excel, and Word, with an optional module of Microsoft Access. Instruction includes those areas and skills included on the Microsoft Office Specialist (MOS) Certification exam.

**Applications of Business technology is UC approved as a "G" Elective.**

**B U****ENTREPRENEURSHIP I**

O744

This course provides students with the information needed to start a business operation. Students will learn how to identify a business opportunity, understand business legal structures, small business budgeting, record keeping methods, staffing, marketing and promotion. Instruction will include an introduction to the elements of a business plan including marketing and technology

**INTERNATIONAL BUSINESS**

O627E

*Offered Online only*

International Business provides an introduction and overview of international business with a global perspective on international trade. Career preparation/foundation skills include personal, interpersonal, critical thinking and technology skills. Academic integration supports the content area skills of internal and external environments, channels of distribution, finance, communication and travel.

**GLOBAL MARKETING**

O628E

*Offered online only*

Global Marketing provides an overview of the culture of international marketing with a global perspective on international trade. Students will learn global marketing fundamentals as they apply to North, Central and South America, Europe, Asia, Australia and New Zealand, the Middle East and Africa. Varying cultures, demographics, geography and economics will be compared.

**MARKETING I**

O910

Students will understand how a new product or service concept is successfully developed and brought to market through research, brand integration and product promotion. Using real-life examples, students will explore concepts in international, direct response, and e-marketing. Additionally, they will be introduced to specialty marketing segments such as: sports, travel/tourism, and hospitality marketing.

**WEB DESIGN & DEVELOPMENT**

O749E

*Offered online only*

This course is designed to provide students with classroom and laboratory experience in current and emerging networking and web design technology that will empower them to enter employment and/or further education and training in the computer networking field. The processes of designing and maintaining a Web site will be covered as the student develops personal web pages

**MARKETING & SOCIETY**

O912E \*

*Offered online only*

This course will give students a fundamental understanding of the relationship between marketing and popular culture. Marketing techniques, the elements of persuasion, and the effect on societal behavior will be studied. Particular focus will be given to the marketing strategies employed and the positive/negative effects of those strategies. Examples of topics included are marketing to children, minorities, and green, political and charitable marketing. Complex ethical issues in marketing and marketing's contribution to stereotypes, representation of gender, materialism, and over-consumption will be studied. Students will also reflect and respond to the creation and expansion of markets via global marketing techniques, their positive and negative impacts on society, and corporate social responsibility.

***Marketing and Society is UC approved as a "G" Elective.***

*This course is only offered virtually.*

**BUSINESS, ECONOMICS, & FINANCE**

O703 \*

O730E ONLINE \*

*Offered at Orange High School and Online only*

This course provides instruction in the fundamental micro and macro-economic principles as they relate to business financial activities and outcomes. Students will gain an understanding of how business and the local, national, and international economy interact to produce a profit or loss. Economic, financial, and accounting concepts taught in this course will enable students to understand key elements involved in planning and managing business financial success.

***This course is approved as a "G" Elective for admission to the University of California***

**PROFESSIONAL INTERNSHIP**

O282

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**EDUCATION, CHILD DEVELOPMENT & FAMILY SERVICES SECTOR****Education Pathway (132)**

Offered at Canyon, El Modena, Orange, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Education	O753	Introductory
02	Careers in Education ( <b>UC-G</b> )	O721 *	Concentrator
02	Child Development ( <b>UC-G</b> )	O751 *	Concentrator
03	STEM Teach – Science/Math	O602	Capstone
03	Professional Internship	O132	Capstone

**EDUCATION, CHILD DEVELOPMENT & FAMILY SERVICES SECTOR****CAREER FOCUS EDUCATION**

O753

This course explores careers in the field of Education and Family Services through experiential learning and observation. Students will learn the opportunities for post-secondary education and the requirements to work in each career field. Students will be prepared to take more advanced classes in the Education, Child Development, and Family Services pathways.

**CAREERS IN EDUCATION**

O721 \*

Education is the fundamental discipline upon which all other courses of learning depend. Careers in Education is for students who may be considering teaching as a vocation. This course will provide a basic preview of the field of education including such topics as: the organization of education especially on a local level, needs and opportunities in the field, the credentialing process, personal collegiate and career planning, the stages of childhood development, and instructional methods and techniques. Emphasis will be placed on active participation in "hands-on" experiences such as: teacher interviews, classroom observations, lesson planning, student teaching, guided evaluations, and peer and cross-age tutoring.

*This course is UC approved as a "G" Elective.*

**CHILD DEVELOPMENT**

O751 \*

Students will study the history, philosophy and major theories of child growth and development. Instruction includes biological, hereditary and environmental influences on development together with methods of supporting and promoting optimum healthy growth.

*This course is UC approved as a "G" Elective.*

**STEM TEACH – SCIENCE/MATH**

O602

STEM Teach - Science is a one-year course designed to prepare students for careers in teaching with an emphasis in science. Instruction will include classroom management and instructional strategies for multiple types of learners including special needs students and English Language Learners. Students will create standards-based science lesson plans and deliver those lessons at elementary school sites under the supervision of a certificated teacher. This course is part of the Project Tomorrow Youth Teach2Learn Program focusing on developing effective future science and math educators.

**PROFESSIONAL INTERNSHIP**

O132

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**KEY**

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

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**ENGINEERING & DESIGN SECTOR****Engineering Pathway (152)**

Offered at Canyon and El Modena High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
02	Foundations of Technology & Engineering (UC-G)	O605 *	Concentrator
02	Advanced Technology & Engineering (UC-G)	O594 *	Concentrator
02	Pre-Engineering & Design	O738	Concentrator
03	Engineering & Design (UC-G)	O739 *	Capstone
03	Professional Internship	O252	Capstone

**FOUNDATIONS OF TECHNOLOGY AND ENGINEERING**

O605 \*

Foundations of Technology & Engineering is a one-year course designed to expose high school students to a wide range of science, engineering, and technology content. The integrated units of study provide a concept driven mastery system of learning where students are engaged in hands-on projects. The course is part of the Paxton Patterson educational system.

*This course is UC approved as a "G" Elective.*

**ADVANCED TECHNOLOGY & ENGINEERING**

O594 \*

This Advanced Engineering and Technology course is designed to develop students' critical thinking skills and enable them to think like engineers. Advanced Engineering and Technology is designed to guide students through the use of hands on practice, real-world applications, software practice, and the integration of mathematics, social science, and physics. By the end of this course, students will be able to understand the role of engineering and technology in society, apply the rules of physics and use mathematical theorems to create conceptual designs, sketches, and maps. This course allows students to develop the foundational skills needed to enter the work force or higher education in the field of Engineering and technology.

*This course is UC approved as a "G" Elective.*

**PRE-ENGINEERING & DESIGN**

O738

Students will receive an introduction to the engineering design process and how it is used to solve technological problems. They will learn about sources of power, and materials and processes used in manufacturing systems. They will create hand drawn and computer generated sketches of original engineering designs. Students will apply mathematical and scientific concepts in their lab projects. Career and educational pathways in civil, mechanical, electrical and aerospace engineering will be explored.

**ENGINEERING & DESIGN**

O739 \*

Students will study mechanical, civil, structural, electrical, and environmental engineering topics. Engineering problems will be analyzed and students will exhibit solutions through sketches, CAD drawings, and rapid prototype models. Scientific and mathematical concepts will be used to explain observations and solutions. Research, report writing, and oral presentations will be fundamental to the course. Engineering-related careers and educational pathways will also be explored.

*This course is UC approved as a "G" Elective.*

**PROFESSIONAL INTERNSHIP**

O252

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.



**HEALTH SCIENCE & MEDICAL TECHNOLOGY SECTOR****Patient Care Pathway (198)**

Offered at Canyon, El Modena, Orange, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Medical	O728	Introductory
02	Foundations in Health Science (UC-G)	O601 *	Introductory
02	Medical Core (UC-G)	O806 *	Concentrator
03	Body Systems & Disorders (UC-D)	O614 *	Concentrator
03	Hospital Occupations Internship	O777	Capstone
03	Profession Internship	O298	Capstone

**CAREER FOCUS MEDICAL**

O728

Through these courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**FOUNDATIONS IN HEALTH SCIENCE**

O601 \*

In this course, students will explore 17 healthcare areas where they demonstrate competency as they do the “work” of healthcare professionals. This course is designed to be a career survey and lab in order for students to find the health career where they have the most interest and aptitude. Students will use digitized video, text references, written references, experiments, electronic journal, open-ended design briefs, and student guidebooks to enhance their understanding of each of the 17 areas of study. Each of the 17 units will include integrated career explorations, labs, and work-related experience.

*This course is UC approved as a “G” Elective*

**MEDICAL CORE**

O806 \*

This course introduces students to diverse occupations in the medical/health field and to standards required of workers in the field. Medical Core includes instruction in the ethical and legal responsibilities of the health care worker, safety, medical terminology, human anatomy and physiology, body systems and mechanics, standard precautions and health and fitness. Also included are health care delivery systems, regulatory agencies, research, current technology, and socio-economic issues affecting health care. Students explore career opportunities in therapeutic, diagnostic, and supportive areas. Students gain practical hands-on experience in Vital Signs, Emergency Medical Care, First Aid and CPR.

*This course includes National Healthcare Foundation Standards and is UC approved as a “G” Elective.*

**BODY SYSTEMS & DISORDERS**

O614 \*

Body Systems and Disorders provides students with a rigorous medical science course designed to support career and college readiness. Students will learn the anatomy, physiology, and function of the major body systems. Each unit will also highlight common diseases and disorders. Students will gain a deep understanding of signs, symptoms, and causes of common diseases and disorders.

*This course is UC approved as a “D” Lab Science.*

**HOSPITAL OCCUPATIONS INTERNSHIP**

O298

This competency-based course provides students with basic knowledge and skills required for a variety of entry-level positions within the Support Services department of a hospital. The class includes an internship in one or more of the course content areas listed. Integrated throughout the course are essential employability skills, including the development of a portfolio. The course is designed for the student who is looking for an entry-level position or who wishes to explore various occupations within a hospital setting.

**PROFESSIONAL INTERNSHIP**

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**HEALTH SCIENCE & MEDICAL TECHNOLOGY SECTOR****Sports Medicine Pathway (198)**

*Offered at Canyon, El Modena, Orange, & Villa Park High School*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Medical	O728	Introductory
02	Foundations in Health Science (UC-G)	O601 *	Introductory
02	Medical Core (UC-G)	O806 *	Concentrator
02	Sports Medicine I (UC-G)	O803 *	Concentrator
03	Body Systems & Disorders (UC-D)	O614 *	Capstone
03	Sports Medicine II	O804	Capstone
03	Professional Internship	O745	Capstone

**CAREER FOCUS MEDICAL**

O728

Through these courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**FOUNDATIONS IN HEALTH SCIENCE**

O601 \*

In this course, students will explore 17 healthcare areas where they demonstrate competency as they do the “work” of healthcare professionals. This course is designed to be a career survey and lab in order for students to find the health career where they have the most interest and aptitude. Students will use digitized video, text references, written references, experiments, electronic journal, open-ended design briefs, and student guidebooks to enhance their understanding of each of the 17 areas of study. Each of the 17 units will include integrated career explorations, labs, and work-related experience.

***This course is UC approved as a “G” Elective***

**MEDICAL CORE**

O806 \*

This course introduces students to diverse occupations in the medical/health field and to standards required of workers in the field. Medical Core includes instruction in the ethical and legal responsibilities of the health care worker, safety, medical terminology, human anatomy and physiology, body systems and mechanics, standard precautions and health and fitness. Also included are health care delivery systems, regulatory agencies, research, current technology, and socio-economic issues affecting health care. Students explore career opportunities in therapeutic, diagnostic, and supportive areas. Students gain practical hands-on experience in Vital Signs, Emergency Medical Care, First Aid and CPR.

*This course includes National Healthcare Foundation Standards and is UC approved as a "G" Elective.*

**SPORTS MEDICINE I**

O803 \*

This is a year-long course in Health Science that prepares students for the field of Sports Medicine. Students study anatomy, physiology and bodily systems and apply their knowledge within the area of Sports Medicine. Students will expand on their understanding of the scientific foundations in the evaluation, assessment and care of injuries, as well as preventative techniques and wellness.

*This course is UC approved as a "G" Elective.*

**BODY SYSTEMS & DISORDERS**

O614 \*

Body Systems and Disorders provides students with a rigorous medical science course designed to support career and college readiness. Students will learn the anatomy, physiology, and function of the major body systems. Each unit will also highlight common diseases and disorders. Students will gain a deep understanding of signs, symptoms, and causes of common diseases and disorders.

*This course is UC approved as a "D" Lab Science.*

**SPORTS MEDICINE II**

O804

This competency-based course prepares students for entry-level positions in the sports medicine industry. Included in the course is advanced preparation in the care, prevention and rehabilitation of athletic injuries that combines classroom instruction and placement in a sports medicine internship site.

**PROFESSIONAL INTERNSHIP**

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**HOSPITALITY, TOURISM & RECREATION SECTOR****Culinary Arts Pathway (201)***Offered at El Modena High School*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Hospitality	O919	Introductory
02	Culinary Arts (UC-G)	O631 *	Concentrator
02	Principles of Baking & Specialty Foods	O637	Concentrator
03	Event Catering	O613	Capstone
03	Professional Internship	O201	Capstone

**CAREER FOCUS HOSPITALITY**

O919

This course provides students with an overview of the diverse career opportunities in culinary, lodging, travel, tourism, and educational preparation and career plan. Topics include hospitality development and trends; foodservice operations and management; the hotel and lodging industry; the diverse segments of travel and tourism; and careers in leisure, recreation and entertainment. The course also covers aspects of hospitality management, such as business structures and operations; human resources; accounting practices; legal and safety issues; and marketing, sales, and service.

**CULINARY ARTS**

O631\*

This is the foundation course for the Culinary Arts pathway. Students will learn about the Food Service and Hospitality Industry and explore a variety of careers while learning and developing basic nutritional and food preparation skills.

**PRINCIPLES OF BAKING**

O637

This is an elective course in the Culinary Arts Pathway. In the first semester, students are introduced to basic baking skills, principles, and techniques. They will also learn safe food handling practices, and obtain skills in culinary science and math. The course will focus on the preparation of breads, pastries, sauces, pies, cookies, and cakes as well as decoration and presentation. Second semester students are introduced to the contributions various ethnic groups have made to American and International cookery. The culinary student will become familiar with the geography, food history, customs, common ingredients and preparation techniques of regions in the United States as well as from countries all over the world. The student will develop skills in kitchen organization, teamwork, and equipment use. The core content standards and concepts of safe food handling and culinary science and math will be taught and practiced.

**EVENT CATERING**

O613

This course provides students with an introduction into the Food Service and Hospitality Industry. Instruction includes industry regulations and safe food handling along with the basics of food preparation and service. Students will learn the basic elements of private catering and event planning.

**PROFESSIONAL INTERNSHIP**

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**HOSPITALITY, TOURISM & RECREATION SECTOR****Hospitality, Tourism, and Recreation Pathway (202)***Offered at El Modena High School*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Hospitality	O919	Introductory
02	Hospitality and Tourism Management	O593	Concentrator
03	Professional Internship	O202	Capstone

**CAREER FOCUS HOSPITALITY**

O919

This course provides students with an overview of the diverse career opportunities in culinary, lodging, travel, tourism, and educational preparation and career plan. Topics include hospitality development and trends; foodservice operations and management; the hotel and lodging industry; the diverse segments of travel and tourism; and careers in leisure, recreation and entertainment. The course also covers aspects of hospitality management, such as business structures and operations; human resources; accounting practices; legal and safety issues; and marketing, sales, and service.

**HOSPITALITY AND TOURISM MANAGEMENT**

O593

In this course, students will apply 21st Century skills (Critical Thinking, Collaboration, Communication, Creative Thinking) as they dive deeper into the duties and responsibilities of management positions found throughout the hospitality industry. They will learn to manage departments according to the expectations of the "Production Team" or Production Handbook, and they will solve problems, use innovative ideas, and practice multiple forms of communication as they create customer-based solutions to real-world scenarios found in various branches of the Hospitality and Tourism Industry from Airlines to Bed and Breakfast establishments, students will be able to focus on the industry that most interests them.

**PROFESSIONAL INTERNSHIP**

O202

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**INFORMATION COMMUNICATION TECHNOLOGY SECTOR****Collaborative Technology Program (CTP) (174)***Offered at El Modena High School*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
02	Exploring Computer Science ( <b>UC-G</b> )	O651 *	Introductory
02	Application of Business Technology	O630	Concentrator
03	AP Computer Science Principles ( <b>UC-G</b> )	O932 *	Capstone

**EXPLORING COMPUTER SCIENCE**

O651 \*

This is the first course in the Information and Computer Technology (ICT) Sector Pathways. Students are introduced to the foundations of Computer Science using an inquiry-based, hands-on approach to understand and solving real world computing problems. Instruction includes the areas of Human Computer Interaction, Problem Solving, Web Design, Programming, Data Analysis and Robotics. Emphasis is placed on the creative, collaborative, interdisciplinary and problem-solving nature of computing. Upon completing the course, students will be prepared to pursue more advanced courses in the pathway, and to further their exploration of college and careers in the ICT Industry.

**Exploring Computer Science is UC approved as a "G" Elective.**

*NOTE: This course follows the National Course Outline developed by UCLA and LAUSD.*

**APPLICATION OF BUSINESS TECHNOLOGY**

O630

In this course, students will develop expertise in Microsoft Office applications. Students learn the different tasks involved in the daily operation of a business, and use the appropriate software and systems to complete these tasks. Application of Business Technology provides students with opportunities to develop 21st century skills and as well as equips them to pursue post-secondary education and advancement in the field. Communication and Technology Certification for Business concentrates on Microsoft Office PowerPoint, Excel, and Word, with an optional module of Microsoft Access. Instruction includes those areas and skills included on the Microsoft Office Specialist (MOS) Certification exam.

**AP COMPUTER SCIENCE PRINCIPLES**

O932 \*

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

**AP Computer Science Principles is UC approved as a "G" Elective.**

**INFORMATION COMMUNICATION TECHNOLOGY SECTOR****Computer Science Pathway (172)**

Offered at Canyon, El Modena, Orange, Richland, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
02	Exploring Computer Science ( <b>UC-G</b> )	O651 *	Introductory
02	Foundations of Technology and Engineering ( <b>UC-G</b> )	O605 *	Concentrator
02	Application of Business Technology ( <b>UC-G</b> )	O638 *	Concentrator
03	AP Computer Science Principles ( <b>UC-G</b> )	O932 *	Capstone
03	Internet Web Design & Development	O749E	Capstone
03	Professional Internship	O274	Capstone

**EXPLORING COMPUTER SCIENCE**

O651 \*

This is the first course in the Information and Computer Technology (ICT) Sector Pathways. Students are introduced to the foundations of Computer Science using an inquiry-based, hands-on approach to understand and solving real world computing problems. Instruction includes the areas of Human Computer Interaction, Problem Solving, Web Design, Programming, Data Analysis and Robotics. Emphasis is placed on the creative, collaborative, interdisciplinary and problem-solving nature of computing. Upon completing the course, students will be prepared to pursue more advanced courses in the pathway, and to further their exploration of college and careers in the ICT Industry.

**Exploring Computer Science is UC approved as a "G" Elective.**

*NOTE: This course follows the National Course outline developed by UCLA and LAUSD.*

**FOUNDATIONS OF TECHNOLOGY AND ENGINEERING**

O605 \*

This is a one-year course designed to expose high school students to a wide range of science, engineering, and technology content. The integrated units of study provide a concept driven mastery system of learning where students are engaged in hands-on projects. The course is part of the Paxton Patterson educational system.

**Foundations of Technology and Engineering is UC approved as a "G" Elective**

**APPLICATION OF BUSINESS TECHNOLOGY**

O638 \*

In this course, students will develop expertise in Microsoft Office applications. Students learn the different tasks involved in the daily operation of a business, and use the appropriate software and systems to complete these tasks. Communication and Technology Certification for Business provides students with opportunities to develop 21st century skills and as well as equips them to pursue post-secondary education and advancement in the field. Communication and Technology Certification for Business concentrates on Microsoft Office PowerPoint, Excel, and Word, with an optional module of Microsoft Access. Instruction includes those areas and skills included on the Microsoft Office Specialist (MOS) Certification exam.

**AP COMPUTER SCIENCE PRINCIPLES**

O932 \*

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

**AP Computer Science Principles is UC approved as a "G" Elective.**



## CTE/ICT SECTOR

**INTERNET WEB DESIGN & DEVELOPMENT**

O749E

This course is designed to provide students with classroom and laboratory experience in current and emerging networking and web design technology that will empower them to enter employment and/or further education and training in the computer networking field. The processes of designing and maintaining a Website will be covered as the student develops personal web pages.

**PROFESSIONAL INTERNSHIP**

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**INFORMATION COMMUNICATION TECHNOLOGY SECTOR****Robotics Pathway (174)**

*Offered at El Modena only*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
02	Exploring Computer Science ( <b>UC-G</b> )	O651 *	Introductory
02	Foundations of Technology & Engineering ( <b>UC-G</b> )	O605 *	Concentrator
02	C-STEM	O652	Concentrator
02	Robotics I	O716	Concentrator
03	Robotics II	O717	Capstone
03	Professional Internship	O274	Capstone

## CTE/INFORMATION COMMUNICATION TECHNOLOGY SECTOR

**EXPLORING COMPUTER SCIENCE**

O651 \*

This is the first course in the Information and Computer Technology (ICT) Sector Pathways. Students are introduced to the foundations of Computer Science using an inquiry-based, hands-on approach to understand and solving real world computing problems. Instruction includes the areas of Human Computer Interaction, Problem Solving, Web Design, Programming, Data Analysis and Robotics. Emphasis is placed on the creative, collaborative, interdisciplinary and problem-solving nature of computing. Upon completing the course, students will be prepared to pursue more advanced courses in the pathway, and to further their exploration of college and careers in the ICT Industry.

**Exploring Computer Science is UC approved as a "G" Elective.**

*NOTE: This course follows the National Course outline developed by UCLA and LAUSD.*

**FOUNDATIONS OF TECHNOLOGY AND ENGINEERING**

O605 \*

Foundations of Technology and Engineering is a one-year course designed to expose high school students to a wide range of science, engineering, and technology content. The integrated units of study provide a concept driven mastery system of learning where students are engaged in hands-on projects. The course is part of the Paxton Patterson educational system.

**This course is UC approved as a "G" Elective**

## KEY

\* meets UC approval for "A-G"      ^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning



**C-STEM**

O652

This course provides a formal development of the algebraic skills and concepts using interactive computing, computer programming in C/C++, and hands-on robotics. This integrated math curriculum meets both Algebra I course requirements and CTE standards. This course is meant to be an engaging support class for students concurrently taking algebra 1 or Integrated Mathematics 1. Robotics involves a variety of math and engineering concepts. Integrating robotics into the Algebra curriculum helps make abstract ideas concrete and allows students to apply mathematical concepts to real world problems. Students will study, analyze, and modify existing C/C+ programs and develop their own programs that will integrate computing and robotics with major Algebra I concepts including operations with real numbers, linear equations and inequalities, relations and functions, polynomials, quadratic equations, system of linear equations with two variables, algebraic fractions, and nonlinear equations. Through hands- on robotics projects, students develop algebraic thinking, problem solving, effective communication, and team work skills.

**ROBOTICS I**

O716

This is an introductory course in the field of robotics. Students will explore the interaction of science and technology and learn how these concepts are applied in engineering, control systems and automation. Students will use inquiry, research, and design methods to solve problems, and construct robotic devices using industry-standard systems software and technology.

**ROBOTICS II**

O717

This is the second course in the Robotics sequence of courses. Students will continue to explore the interaction of science and technology and learn how more advanced concepts are applied in engineering, control systems and automation. Students will use inquiry, research, and design methods to solve problems, and construct robotic devices using industry-standard systems software and technology.

**PROFESSIONAL INTERNSHIP**

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**PUBLIC SERVICE SECTOR****Emergency Response Pathway (233)**

Offered at Canyon, El Modena, Orange, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Medical	O728	Introductory
02	Foundations in Health Science (UC-G)	O601 *	Concentrator
02	Emergency Medical Responder	O796	Concentrator
02	Medical Core (UC-G)	O806 *	Concentrator
02	Fire Science	O922	Concentrator
02	Fire Technology	O920	Concentrator
03	Emergency Medical Technician	O764	Capstone
03	Professional Internship	O233	Capstone

**CAREER FOCUS MEDICAL**

O728

Through these courses, students will explore post-secondary college and career options. Students will learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**FOUNDATIONS IN HEALTH SCIENCE**

O601 \*

In this course, students will explore 17 healthcare areas where they demonstrate competency as they do the “work” of healthcare professionals. This course is designed to be a career survey and lab in order for students to find the health career where they have the most interest and aptitude. Students will use digitized video, text references, written references, experiments, electronic journal, open-ended design briefs, and student guidebooks to enhance their understanding of each of the 17 areas of study. Each of the 17 units will include integrated career explorations, labs, and work-related experience. *Foundations in Health Science is UC approved as a “G” Elective.*

**EMERGENCY MEDICAL RESPONDER**

O796

This class will teach students to provide immediate care to an ill or injured person and train them to assist emergency medical service (EMS) providers. Instructional content area skills include the history of health care, EMS overview, CPR and first aid skills, patient assessment, legal and ethical issues, triage and emergency responsibilities. Essential employability skill instruction in personal and interpersonal skills, employment literacy and industry focus will prepare students for the workplace. Completion of this class will provide a strong background useful in lifeguard positions, fire service, sports medicine, ski patrol, medical facilities and in preparation for the Emergency Medical Technician class.

**MEDICAL CORE**

O806 \*

This course introduces students to diverse occupations in the medical/health field and to standards required of workers in the field. Medical Core includes instruction in the ethical and legal responsibilities of the health care worker, safety, medical terminology, human anatomy and physiology, body systems and mechanics, standard precautions and health and fitness. Also included are health care delivery systems, regulatory agencies, research, current technology, and socio-economic issues affecting health care. Students explore career opportunities in therapeutic, diagnostic, and supportive areas. Students gain practical hands-on experience in Vital Signs, Emergency Medical Care, First Aid and CPR.

*This course includes National Healthcare Foundation Standards and is UC approved as a “G” Elective.*

**FIRE SCIENCE**

O922

In the Fire Science course, students will learn the history of the Fire Service and how it shapes present fire service policy and procedure. Students will learn manipulative skills including ladders, self-contained breathing apparatus, rescue techniques, ropes and knots, and hose evolutions. Essential employment skills include personal, interpersonal and communication skills. Students are encouraged to continue study in the ROP Fire Service class.

**FIRE TECHNOLOGY**

O920

In the Fire Service course, students will learn present trends in the fire service. Students will learn how to obtain employment in fire suppression, fire prevention careers, and emergency communications. Students will learn manipulative skills including hose evaluations, rescue techniques, ventilation and ladders. Essential employment skills include written test preparation, oral interview, and physical fitness manipulative tests. Students are encouraged to continue study in a Fire Science program through a local community college. College credit is awarded for successful completion of the Fire Service Course.

**EMERGENCY MEDICAL TECHNICIAN**

O764

The Emergency Medical Technician (EMT) class prepares students to take the National EMT certification exam, and the OCEMS Accreditation. Content area skills focus on patient assessment, EMT skills, trauma, medical, environmental, obstetric, and pediatric emergencies. Physical skills training, participation in simulation activities and CPR preparation are included. Supervised clinical experiences include an emergency room observation and an ambulance ride-along event. Program completers work as ambulance attendants, emergency room attendants and in other areas of pre-hospital care. Essential employability skills include personal, interpersonal, and communication skills, plus career development and employment literacy.

**PROFESSIONAL INTERNSHIP**

O233

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**PUBLIC SERVICE SECTOR****Legal Practices Pathway (231)**

Offered at Canyon, El Modena, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Foundations of Law (UC-G)	O934 *	Introductory
02	Law & Order (UC-G)	O929 *	Concentrator
02	Business Law (UC-G)	O933 *	Concentrator
03	Professional Internship	O231	Capstone

**CAREER FOCUS FOUNDATIONS OF LAW**

O934 \*

Foundations of Law helps students understand the rule of law and how laws are created, enforced, interpreted, and changed. Students examine diverse areas of law, including criminal, civil, constitutional, and international. Students explore civil rights issues and the role of advocacy, civics, and media in our legal system. Students are encouraged to consider these topics through several lenses; Philosophical and historical, power and fairness, U.S. law and law enforcement, advocacy and policy, career exploration, and comparative systems.

*This course is UC approved as a "G" Elective.*

**LAW AND ORDER**

O929 \*

Students will be introduced to due process and the principles of our judicial system. Students learn the step-by-step process of initiating or defending a lawsuit and will undertake the analyses, preparation and presentation of both civil and criminal trial proceedings. Instruction will include the contents and preparation of a variety of legal documents and statutory filing procedures.

*Law and Order is UC approved as a "G" Elective.*

**BUSINESS LAW**

O933 \*

Business Law will introduce students to the fundamental structure and operation of the American Legal system. They will overview the history of the legal system and learn the basic principles of law relevant to business operations. Topics include sources of law and ethics, contracts, torts, agency, business organization, and judicial and administrative processes. Students deepen their understanding of civil law through actual cases and mock trials.

*Business Law is UC approved as a "G" Elective.*

**PROFESSIONAL INTERNSHIP**

O231

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**PUBLIC SERVICE SECTOR****Public Safety Pathway (232)**

Offered at Canyon, El Modena, Orange, &amp; Villa Park High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Protective Services	O729	Introductory
02	Criminal Justice ( <b>UC-G</b> )	O924 *	Concentrator
02	Crime Scene Investigation	O927	Concentrator
03	Professional Internship	O232	Capstone

**CAREER FOCUS PROTECTIVE SERVICES**

O729

This course explores various careers in the Protective Services and prepares the students for entry level jobs in the field. Instruction includes an introduction to First Responder, EMT, Fire Service and Police/Criminal Justice topics as well as hands-on practical experiences in these areas. Students learn the requirements and opportunities for post-secondary education and develop a personal career/life plan while learning valuable foundation skills that will benefit them throughout their school and working life.

**CRIMINAL JUSTICE**

O924 \*

Students will investigate the qualifications and requirements for various law enforcement occupations and learn the nature, history and philosophy of law enforcement. Other content area skills include constitutional law, policing issues and trends, court systems, trials, corrections and general aspects of law enforcement.

*Criminal Justice is UC approved as a "G" Elective.*

**CRIME SCENE INVESTIGATION**

O927

In this course, students are introduced to the theory and practical application of forensic science. The course will emphasize the methods and protocol for the collection, preservation and analysis of evidence. Students will investigate latent fingerprints, fibers and textile evidence and biological evidence. Communication skills, report writing, presentation skills, and the application of scientific concepts are emphasized throughout the course. Students will become aware of the opportunities and requirements for a career in forensic science and law enforcement.

**PROFESSIONAL INTERNSHIP**

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

**TRANSPORTATION SECTOR****Automotive Systems Pathway (221)***Offered at Orange High School*

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Automotive MLR I ( <b>UC-G</b> )	O710 *	Introductory
02	Automotive MLR II ( <b>UC-G</b> )	O712 *	Concentrator
03	Automotive MLR III ( <b>UC-G</b> )	O714 *	Capstone
03	Professional Internship	O221	Capstone

## CTE/TRANSPORTATION SECTOR

**AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR I**

O710 \*

This classroom/auto lab based course will provide entry-level training in servicing and the maintenance of vehicles used within the transportation industry. Other topics are automotive careers, basic hand tool usage, power tool usage, shop safety, use of service manuals, engine fundamentals, fuel systems, charging, starting and ignition systems, brake and steering systems.

**AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR II**

O712 \*

MLR II is designed to train students in a variety of automotive skill areas such as: tune-ups, brakes, safety and comfort, automatic transmission, auto body and fender repair, engine repairs, service station skills and parts department. Essential employability training includes personal, interpersonal and communications skills, plus career development and employment literacy. On-the-job training is held at auto shops and auto dealerships in the local area.

**AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR III**

O714 \*

MLR III is designed to reinforce prior training and skills that the student learned in MLR I and II. Classroom lecture and hands-on practice in a lab will be the core of this class along with on-the-job training at a local automotive related business.

**PROFESSIONAL INTERNSHIP**

O221

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.

## KEY

\* meets UC approval for "A-G"

^ meets course requirements for NCAA

An "E" at the end of the course number indicates that the class is offered online through Virtual Learning

**TRANSPORTATION & ENGINEERING SECTOR****Aviation Pathway (222)**

Offered at Canyon High School

Vocational Education Level	Course Name	Course Number	Voc. Ed Level Label
01	Career Focus Aviation	O724	Introductory
02	Aviation I	O719	Concentrator
03	Aviation II	O722	Capstone
03	Professional Internship	O222	Capstone

**CAREER FOCUS AVIATION**

O724

This course explores various careers in the aviation and aeronautical industries and prepares students for upper level courses in this pathway. Instruction includes a study of the development of aircraft and the aviation/aeronautical industries. Through a project-based learning approach, students will learn about the scientific and mathematical principles of flight and aerodynamics. Students will learn the requirements and opportunities for careers and post-secondary education in aviation and aeronautics. They will develop a personal career/life plan while also practicing valuable foundation skills in technical reading and writing, public speaking and technology.

**AVIATION I**

O719

Students in this course will learn the principles of private pilot flight and navigation. The concepts taught will cover the first half of the FAA Private Pilot Knowledge Test. Topics will include the principles of flight and aerodynamics, aircraft structure, controls/instruments and systems. Through the use of flight simulators, the techniques of piloting and navigation will be demonstrated and practiced. Physics and geometry concepts are taught and applied to aircraft design, flight control, and navigation. This is part one of a two-part sequence that covers ground school only. It provides eligibility to sit for the Private Pilot Knowledge test. Students wishing to be eligible to sit for this test would need to complete both Part I and II. The required flight hours for the private pilot's license are not part of these courses.

**AVIATION II**

O722

Students in this course will learn the principles of private pilot flight and navigation. The concepts taught will cover the second half of the FAA Private Pilot Knowledge Test. Topics will include the principles of flight and aerodynamics, aircraft structure, controls/instruments and systems. Through the use of flight simulators, the techniques of piloting and navigation will be demonstrated and practiced. Physics and geometry concepts are taught and applied to aircraft design, flight control, and navigation. Aviation II is the second course in the Part 1 "ground school" only course that provides eligibility to sit for the Private Pilot Knowledge test. The required flight hours for the private pilot's license are not part of these courses.

**PROFESSIONAL INTERNSHIP**

O222

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.



## ADVANCED PLACEMENT (AP) COURSES

### AP ENGLISH LANGUAGE AND COMPOSITION

L512 \*<sup>^</sup>

### AP ENGLISH LITERATURE AND COMPOSITION

L996 \*<sup>^</sup>

### AP HUMAN GEOGRAPHY

H900 \*<sup>^</sup>

### AP WORLD HISTORY

H997 \*<sup>^</sup>

### AP EUROPEAN HISTORY

H986 \*<sup>^</sup>

### AP UNITED STATES HISTORY

H996 \*<sup>^</sup>

### AP AMERICAN GOVERNMENT AND POLITICS

H966 \*<sup>^</sup>

### AP MACROECONOMICS

H630 \*<sup>^</sup>

### AP MICROECONOMICS

H631 \*<sup>^</sup>

### AP PSYCHOLOGY

H956 \*<sup>^</sup>

### AP STATISTICS

N994 \*<sup>^</sup>

### AP CALCULUS AB

N986 \*<sup>^</sup>

### CALCULUS BC

N987 \*<sup>^</sup>

### AP COMPUTER SCIENCE A

N996 \*<sup>^</sup>

### AP BIOLOGY

S976 \*<sup>^</sup>

### AP CHEMISTRY

S984 \*<sup>^</sup>

### AP ENVIRONMENTAL SCIENCE

S970 \*<sup>^</sup>

### AP PHYSICS

S996 \*<sup>^</sup>

### AP PHYSICS C: ELECTRICITY AND MAGNETISM

S994 \*<sup>^</sup>

### AP PHYSICS C: MECHANICS

S995 \*<sup>^</sup>

### AP CHINESE

F755 \*<sup>^</sup>

### AP GERMAN

F996 \*<sup>^</sup>

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## ADVANCED PLACEMENT (AP) COURSES

### AP FRENCH LANGUAGE

F976 \*<sup>^</sup>

### AP SPANISH LANGUAGE

F986 \*<sup>^</sup>

### AP SPANISH LITERATURE

F987 \*

### AP ART HISTORY

A976 \*

A976E \*

### AP STUDIO ART: THREE-DIMENSIONAL DESIGN

A985 \*

### AP STUDIO ART: TWO-DIMENSIONAL DESIGN

A986 \*

### AP STUDIO ART: DRAWING

A987 \*

### AP MUSIC THEORY

M870 \*

### AP COMPUTER SCIENCE PRINCIPLES

O932 \*

### AP RESEARCH

X217 \*

### AP SEMINAR

X216 \*

## INTERNATIONAL BACCALAUREATE (IB) COURSES

The International Baccalaureate program is offered only at Canyon High School



### IB ENGLISH 12: LANGUAGE AND LITERATURE HL

L994 \*<sup>^</sup>

### IB BIOLOGY HL

S979 \*<sup>^</sup>

### IB ENVIRONMENTAL SYSTEMS AND SOCIETIES SL

S971 \*<sup>^</sup>

### IB HISTORY OF THE AMERICAS HL

H985 \*<sup>^</sup>

### IB THEORY OF KNOWLEDGE

H702 \*<sup>^</sup>

### IB CHINESE MANDARIN SL

F756 \*<sup>^</sup>

### IB FRENCH SL

F707 \*<sup>^</sup>

### IB SPANISH SL

F737 \*<sup>^</sup>

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# VIRTUAL LEARNING COURSES THROUGH

**ENGLISH 11**

L500E \*

**SPANISH II**

F731E \*

**SPANISH III**

F732E \*

**WORLD HISTORY**

H400E \*

**PHYSICAL EDUCATION (P.E.)**

P720E

**US HISTORY**

H500E \*

**HEALTH**

S300E

**AMERICAN GOVERNMENT**

H600E \*

**ECONOMICS**

H620E \*

**BUSINESS, ECONOMICS, & FINANCE (CTE)**

O730E \*

**PSYCHOLOGY**

H701E \*

**GLOBAL MARKETING (CTE)**

O628E

**AP ART HISTORY**

A976E \*

**INTERNATIONAL BUSINESS (CTE)**

O627E

**CHINESE I**

F751E \*

**INTERNET WEB DESIGN & DEVELOPMENT (CTE)**

O749E

**CHINESE II**

F752E \*

**MARKETING & SOCIETY (CTE)**

O912E \*

**CHINESE III**

F753E \*

**PRINCIPLES OF BUSINESS (CTE)**

O824

**KEY**

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