

# VALENCIA

## HIGH SCHOOL

*"Learning For Life"*

### VALENCIA



## Registration Guide

*2011-2012*

# VALENCIA HIGH SCHOOL "LEARNING FOR LIFE"

## Principal's Message

Welcome to Valencia High School! The experience of high school only happens once in a lifetime. Take advantage of what this school has to offer. Get involved. Find classes that interest you, build relationships with teachers and classmates, participate in extra-curricular activities. Make sure that your involvement is the basis for many great memories. You make the difference.

As each day passes, learn respect and understanding along with your academic subjects. Dedicate yourself in preparing to meet the challenges of life and be a better person because of those challenges. All of us have something to offer to make Valencia High School a better place.

Valencia High School is people: students, teachers, staff, parents, and community members working together for one common goal - your education. Do your part, get involved, learn.

This registration guide and catalog of courses is designed to provide you with information that will help you make intelligent decisions regarding your high school career, including personal, educational, and career goals. The guide contains basic graduation requirements, sample Four-Year Plans, and a description of courses offered. Students are encouraged to read this guide thoroughly and utilize it when formulating Four-Year Plans and selecting classes.

The staff of Valencia High School encourages you to seek their assistance whenever needed. We are here to help you.

It is my sincere wish that this will be your most rewarding and beneficial year. Good luck!

Sincerely,

Paul A. Priesz, Ed.D.  
Principal

# VALENCIA HIGH SCHOOL VALUES STATEMENT

- CARING** Every person has value and feels supported.
- RESPECT** Every person makes unique contributions, which we recognize and appreciate. Everyone contributes to maintaining a clean and beautiful campus.
- INTEGRITY** Every person strives to demonstrate responsibility, positive character and honesty in his/her life and to reinforce it in others.
- LEARNING** Every student can learn. We hold high expectations for success of all students and staff. We promote creativity and innovation. Every student will be given an equal opportunity to participate in our educational programs.
- RELEVANCY** Every member of our educational community promotes lifelong learning through a curriculum that is relevant to the needs of today's world.
- SAFETY** Every student has the right to learn. Every teacher has the right to teach. School is a place where all feel safe and belong and where risks can be taken without fear of failure.

## MISSION STATEMENT

We prepare students to meet the challenges of the future and to become responsible citizens through relevant learning opportunities, community involvement, innovative technology, and teamwork. Each student will develop the knowledge, skills, and character necessary to succeed.

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## **WM. S. HART UNION HIGH SCHOOL DISTRICT**

### **Graduation Requirements**

1. Students will maintain a satisfactory citizenship record. Unsatisfactory citizenship may result in the denial of the privilege of participation in the graduation ceremony.
2. A full course of Algebra must be completed in order to receive a diploma.
3. All students must pass the California High School Exit Exam.
4. Students will complete a minimum of 220 credits. Credits earned in the summer session immediately prior to August of the ninth grade year will be included if the student was a middle school graduate the previous semester.
5. Any student enrolling in a comprehensive high school in the Hart District from another district must be enrolled in and pass a minimum of ten units of credit in order to graduate from a Hart District high school, regardless of the number of credits transferred from another school.
6. Any variation from the specific courses not required for graduation by the Education Code must have the approval of the building principal.
7. Any course taken with the Wm. S. Hart Union High School District and used to meet a subject matter requirement as specified in these regulations must be approved by the Board of Trustees and appear on the adopted Master Course Directory.
8. All students will be required to attend high school for a minimum of eight full semesters, grades 9-12, excluding summer school. Waivers for early graduation may be granted under the provisions of Administrative Regulation 5127.1.

# MINIMUM COURSE REQUIREMENTS FOR GRADUATION

|   |                            |
|---|----------------------------|
| <b>English</b>  | <b>40 credits</b>          |
| <b>Social Studies</b><br>Modern Civilizations (10 <sup>th</sup> grade)<br>U.S. History (11 <sup>th</sup> grade)<br>American Government and Economics (12 <sup>th</sup> grade) | <b>30 credits</b>          |
| <b>Science</b><br>Physical Science (10 credits)<br>Biological/Life Science (10 credits)   | <b>20 credits</b>          |
| <b>Mathematics</b><br>(Including completion of state algebra requirement)   | <b>20 credits</b>          |
| <b>Health</b>   | <b>2.5 credits</b>         |
| <b>Fine Arts</b><br>Art, Music, Photo, Video, or Theater  | <b>10 credits</b>          |
| <b>Practical Arts</b><br>Home Economics, Technology, or Business  | <b>5 credits</b>           |
| <b>Physical Education</b>   | <b>20 credits</b>          |
| <b>Electives</b>  | <b><u>72.5 credits</u></b> |
| <b>TOTAL.....</b>   | <b>220 credits</b>         |

**The Career Exploration Project (Senior Career Project) course is a required, one-semester elective for all senior students.**

# ACADEMIC TERMINOLOGY

## ADAPTIVE DAY PROGRAM

Students are enrolled in five courses- English, Math, Science, Social Studies, and Physical Education- in a self-contained classroom from 8:00 a.m. to 12:00 p.m. This is a temporary alternative program for students who have experienced difficulty with attendance and/or academic achievement in the regular program.

## APPEAL

Students and/or parents have the right to appeal a course prerequisite or teacher recommendation. Such an appeal must be addressed with the principal.

## ATTENDANCE

Students who miss 15 days from any class during a semester are subject to a failing grade in that class. All absences, except for legitimate school activities, are counted toward the 15 absence rule.

## CALIFORNIA HIGH SCHOOL EXIT EXAMINATION

All students are required to pass the California High School Exit Examination (CAHSEE) to receive a high school diploma. This graduation requirement is mandated by state law. All students must take the CAHSEE in the spring of tenth grade. The exam is divided into two parts: (1) English-language arts (reading and writing) and (2) mathematics. Students must earn a score of 350 or higher on each part of the CAHSEE in order to pass the exam. For more information regarding the CAHSEE, please visit the website at: <http://www.cde.ca.gov/ta/tg/hs/>

## CLASS SCHEDULE

Ninth and tenth grade students must be enrolled in a minimum of six classes on campus each semester. Eleventh and twelfth grade students must be enrolled in a minimum of five classes each semester. Four of these five classes must be on campus.

## CONCURRENT ENROLLMENT

Junior and senior students have the opportunity to enroll in classes at COC. Concurrent Enrollment forms must be signed by the counselor and parent and approved by the principal. It is the student's responsibility to submit a sealed transcript to the high school registrar to receive high school credit for COC courses.

## CREDITS

Five credits are earned for each semester class taken and passed with a letter grade of A, B, C, D or P.

## CREDIT DEFICIENCY

Students who are credit deficient may earn additional credits in the following ways:

1. Summer School
2. ROP classes in grades 11 or 12 or after age 16
3. Concurrent enrollment at COC (College of the Canyons)
4. Concurrent enrollment at Golden Oak Adult School in grade 12.

## GRADES

|   |            |                         |      |            |
|---|------------|-------------------------|------|------------|
| A | 4.0 points | Outstanding achievement | I    | Incomplete |
| B | 3.0 points | Good achievement        | NM   | No mark    |
| C | 2.0 points | Average achievement     | P/Cr | Pass       |
| D | 1.0 points | Minimum achievement     |      |            |
| F | 0.0 points | Failure                 |      |            |

## GRADE POINT AVERAGE (GPA)

An average of all grades earned in a semester.

### Example:

|                    |                  |   |                          |
|--------------------|------------------|---|--------------------------|
| Eng. 9A            | B = 3.0          |   |                          |
| Team Sports        | B = 3.0          |   |                          |
| Earth Science      | C = 2.0          |   |                          |
| Algebra 1A         | C = 2.0          |   |                          |
| Art                | A = 4.0          |   |                          |
| <u>Keyboarding</u> | <u>B = 3.0</u>   |   |                          |
| Total              | 17.0 / 6 classes | = | 2.83 Grade Point Average |

## PRE-REGISTRATION

Pre-registration is the process by which students select their classes for the following school year. The Registration Guide should be utilized in making class selections. Each student will meet with his or her counselor to review academic progress, post-high school goals, and course selections every year. A notice is mailed to all students in mid-July indicating when they should come to school and pick up their personalized registration materials and schedule of classes.

## PREREQUISITE

A prerequisite is a requirement that must be met satisfactorily before a student is allowed to take a particular course.

## REPEATED COURSES

Students repeating a course in which they earned a D grade or better will not receive additional credit for the class the second time.

**REPORT CARDS** - Parents receive formal notification of their students' academic progress four times each semester. Only final semester grades are recorded on the students' transcripts.

| First Semester | Second Semester | Notification                                     |
|----------------|-----------------|--|
| September      | February        | Progress report is hand carried home             |
| October        | March           | Quarter grades are hand carried home             |
| November       | April           | Progress report is hand carried home             |
| December       | June            | Semester grades mailed home in December and June |

## **SCHEDULE CORRECTIONS**

Student requests for schedule corrections are honored for the following reasons only and must be completed within the first two weeks of the semester:

1. specific grade level graduation requirements omitted from schedule
2. fewer than the required number of classes appearing on schedule
3. prerequisite not met
4. addition or deletion of specialized programs (sports, band, choir, ASB, ROP, etc.)
5. courses completed during summer school.

Students have the right to appeal a course prerequisite or teacher recommendation to the principal. Requests for program changes based upon teacher preference must be cleared with the principal.

## **TRANSCRIPT**

The transcript is a student's permanent record. At the student's request, it is sent to colleges, universities, or trade schools. It is updated at the end of each semester and includes the following:

1. all courses taken
2. grades earned
3. credits earned
4. class ranking (9th, 10th, 11th, 12th)
5. standardized test scores.

## CAREER PATHS

Valencia High School offers students an opportunity to concentrate on specific courses that will reward them with certification within a Career Path. Students may earn a certificate of completion within a Career Path area with as few as six courses. Most Career Paths offer, "on the job mentoring," with a 76.5 hour internship within the chosen area. Available Career Paths include:

### ARTS/MEDIA & ENTERTAINMENT

|                     |   |
|---------------------|---|
| Video Production:   | <b>Possible careers:</b> Producer, Sound Operator, Director, Production Assistant, Editor, Actor, Broadcast Journalist, Cameraperson, Screenplay Writer   |
| Journalism:         | <b>Possible careers:</b> Advertising Copywriter, Author, Broadcast Journalist, Concert Promoter, News Director, Disc Jockey, Editor, Graphic Designer, Magazine Writer, Multimedia Developer, Newspaper Reporter, Photographer, Photojournalist, Publicist, Speech Writer, Teacher              |
| Studio Art:         | <b>Possible careers:</b> Painter, Sculptor, Ceramicist, Photographer, Advertising Artist, Graphic Designer, Illustrator, Web Page Designer, Animator, Fashion Designer, Textile Designer, Advertising Designer, Interior Designer, Video Game Designer, Media Design, Automotive Design         |
| Theater Arts:       | <b>Possible careers:</b> Acting coach, Actor, Film Director, Lighting/Scenic Designer, Playwright, Screenwriter, Stage Director, Stage Manager, Stage Technician, Theater Arts Teacher, Theater Manager, Producer, Lawyer   |
| Vocal Music:        | <b>Possible careers:</b> Arranger, Artist Development, Audio Engineer, Composer, Conductor, Lyricist, Motion Picture music Specialist, Musical Director, Musical Theater Actor/Actress, Performer, Producer, Studio Musician, Teacher, Vocal Coach, Producer, Sound Mixer for Movies/Film/Music |
| Instrumental Music: | <b>Possible careers:</b> Acoustician, Choreographer, Conductor, Music Director, Music Minister, Musical Accompanist   |

### BUSINESS

|           |  |
|-----------|--|
| Business: | <b>Possible careers:</b> Small Business Owner, Architect, Data Entry Clerk, Commercial Account Manager, Talent Agent, Aircraft Inspector, Retail Manager, Office Manager, Market Researcher, Investment Banker, Insurance Inspector, Director of Merchandising |
|-----------|--|

## CULINARY ARTS CAREERS & TECHNOLOGY

Hospitality, Tourism,  
and Recreation

**Possible careers:** Caterer, Club Professional or Manager, Dietetic Technician, Event/Wedding Planner, Food Inspector, Food Journalist/Technical Writer, Food Product Develop, Food Product Tester, Food Stylist, Pastry Chef, Personal Chef, Recreation Leader, Registered Dietician, Sous/Executive Chef, Theme Park Director

## ENVIRONMENTAL SCIENCE

Environmental Studies

**Possible careers:** Energy Engineer, Environmental Engineer, Environmental Lawyer, Environmental Planner, Environmental Project Manager, Chemist, Geologist, GIS Technician, Nature/Wetland Scientist, Sustainable Energy Analyst, Water Treatment and Operations, Wildlife Conservationist

## HEALTH SCIENCE

Health Science:

**Possible careers:** Administrative Medical Assistant, Physical Therapy Aide, Radiography, LPN/LVN Nursing, Medical Laboratory Technician, Dental Assisting, Pharmacy Technician, Pharmacist, Doctor, Dentist, Chiropractor, Optometrist, Veterinarian, Dietitian, Nutritionist, Occupational Therapist

Sports Medicine:

**Possible careers:** Certified Athletic Trainer, Physical Therapist, EMT/Paramedic, Sports Medicine Doctor, Massage Therapist, Chiropractor, Nurse, Physician, Military Medic, Veterinarian, Dietitian, Nutritionist

## INDUSTRIAL & TECHNOLOGY

Automotive:

**Possible careers:** Auto Technician, Service Writer, Service Advisor, Parts Sales, Parts Counter Person, Auto Sales, Detailing, Audio Installer, Machine Shop, Welding

CAD/Drafting:

**Possible careers:** Drafting Technician, Mechanical Drafter, Architectural Drafter, Designer, Architect, Engineer, Interior Designer, Interior Decorator, Manufacturing Engineering, Packaging Engineering, Landscape Architect, Animator, Set Design, Render Artist, Civil Engineer, Structural Engineer

Engineering:

**Possible careers:** Mechanical Engineer, Computer Engineer, Civil Engineer, Electrical Engineer, Materials Engineer, Bio-systems Engineer, Aerospace Engineer

Graphic Communications:

**Possible careers:** Commercial Artist, Graphic Designer, Animator, Desktop Publishing Operators, Press Operator, PageMaker, Book Binder, Estimator, Plate maker

## **PUBLIC & HUMAN SERVICES**

Human and Social Services: **Possible careers:** MFCC Counselor, Psychologist, School Counselor, Social Director, Social Worker, Law Enforcement, Fire Services

Leadership: **Possible careers:** Federal Aviation Adm. (FAA), National Transportation Safety Board (NTSB), Law Enforcement, Scientific & Technical Services, NASA, Aircraft & System Maintenance, Military Service, Meteorologist, Aerospace Engineers

Legal Services: **Possible careers:** Prosecutor, Defense Lawyer, Legal Assistant, Legal Secretary, Court Reporter, Bailiff, Court Clerk, Professor of Law, Judge, District Attorney, Legal Researcher, Paralegal, Legal Investigator, Peace Officer, Criminologist, FBI

Teaching: **Possible careers:** Elementary Teacher, Jr. High Teacher, Sr. High Teacher, College Professor, Teacher's Aid, Child Care, Pre School Teacher, Tutor

# **HONORS PROGRAMS**

## **HONORS COURSES**

Honors classes serve the industrious and motivated student. These classes move more quickly, require a good academic background, and allow the individual student to achieve his or her highest potential growth. Placement in honors courses depends upon previous grades in the subject and teacher recommendation. Honors courses receive weighted grades: A = 5, B = 4, and C = 3. No weight is offered for a grade of D.

## **ADVANCED PLACEMENT**

Advanced Placement courses offer the honors students the opportunity to do college-level work while still in high school. Upon completion of an AP course, students may take the nationally administered examination in May. College credit may be awarded if the student earns an acceptable grade on this exam. An AP grade report is sent in early July to students, their schools, and if requested, to selected colleges. AP courses also receive weighted grades: A = 5, B = 4, C = 3. No weight is offered for a grade of D.

## **CALIFORNIA SCHOLARSHIP FEDERATION (CSF)**

The CSF is both a service organization and an honor society, which acknowledges outstanding students for their achievements. Membership is for one semester and is based on grades from the previous semester. Students must complete an application for membership every semester.

## **NATIONAL HONOR SOCIETY (NHS)**

The purpose of NHS is to create enthusiasm for scholarship, to stimulate a desire to render service, to promote leadership, and to develop character in the students of secondary schools. At the beginning of their 10<sup>th</sup> grade year and each year thereafter, students with a minimum GPA of 3.5 may apply to NHS. Students must complete an application for membership and are rated in the areas of character, leadership, and service.

## **SPECIAL EDUCATION**

Students with a documented diagnosis of a disability may qualify for one of our special education programs.

### **ADAPTIVE P.E.**

Students in this program have a health problem such as a heart condition, which prevents them from participating in regular physical education activities.

### **RESOURCE SPECIALIST PROGRAM (RSP)**

Resource Specialists work with Resource students in Learning Strategies classes and in their regular classes. The goal of this program is for the student to remain in the regular classroom, with monitoring and assistance as needed.

### **SPECIAL CLASS PROGRAM (SDC)**

In this program, students receive instruction in English, Math, Science, and/or Social Studies by teachers with special training in instruction for students with learning disabilities. The student/teacher ratio is kept lower than in regular classes in order to maximize the educational experience. Special Day Class courses are not CSU/UC approved and do not qualify as meeting the A-G requirements.

# COLLEGES AND UNIVERSITIES

## COMMUNITY COLLEGES

There are over one hundred community colleges in the state of California. Some of the colleges in our surrounding area are College of the Canyons, L.A. Mission, L.A. Valley, Pierce, and Ventura. Community colleges offer students an excellent opportunity to complete their first two years before transferring to a four-year college at a fraction of the cost of four-year institutions. They also offer two-year certificate programs in a variety of occupational areas. Students with a high school diploma or who are eighteen years of age may attend a community college.

## VOCATIONAL TRADE SCHOOLS

Entrance requirements for business, trade, and technical schools vary. Students may obtain information from various reference books in the College/Career Center.

## MILITARY ACADEMIES

College catalogs on the four major military academies are available in the College/Career Center. Students must successfully complete a highly academic program to be eligible for entrance into an academy. Interested students must contact their congressperson regarding a congressional appointment. Pre-candidate questionnaires must be sent in the eleventh grade.

## PRIVATE COLLEGES AND UNIVERSITIES

Admission requirements for private colleges vary. It is important that students research the particular school's requirements early in their high school years. College catalogs are available in the College/Career Center to aid students in this endeavor. Most colleges prefer students who have met the CSU or UC admission requirements. Essays and letters of recommendation may be required.

## CALIFORNIA STATE UNIVERSITY (CSU)

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| CSU Bakersfield     | CSU Long Beach      | San Diego State          |
| CSU Channel Islands | CSU LA              | San Francisco State      |
| CSU Chico           | CA Maritime Academy | San Jose State           |
| CSU Dominguez Hills | CSU Monterey Bay    | Cal Poly San Luis Obispo |
| CSU Fresno          | CSU Northridge      | CSU San Marcos           |
| CSU Fullerton       | Cal Poly Pomona     | Sonoma State             |
| CSU Hayward         | CSU Sacramento      | CSU Stanislaus           |
| Humboldt State      | CSU San Bernardino  |                          |

## UNIVERSITY OF CALIFORNIA (UC)

|             |                |                  |
|-------------|----------------|------------------|
| UC Berkeley | UC Los Angeles | UC Santa Diego   |
| UC Davis    | UC Merced      | UC Santa Barbara |
| UC Irvine   | UC Riverside   | UC Santa Cruz    |

## CSU AND UC ADMISSION REQUIREMENTS

Students are encouraged to enroll in academic courses beyond the minimum requirements listed below. Additional academic, honors, and AP courses have a positive effect on students' overall standing when being considered for admission. The UC recommends extra years of science, math, and foreign language.

### CSU

### UC

|                |  |   |
|----------------|--|---|
| GPA            | 2.0+ GPA<br>(grades 10&11)<br>(a-g courses only)   | 3.0+ GPA<br>(grades 10&11)<br>(a-g courses only)  |
| Tests Required | SAT Reasoning Test   | SAT Reasoning Test<br><br>SAT Subject Tests – 2 tests recommended:  |
| Courses        | <b>a)</b> U.S. History – 1 yr.<br><br>World History – 1 yr.<br><br><b>b)</b> English – 4 yrs.<br><br><b>c)</b> Mathematics – 3 yrs.<br>Algebra 1<br>Geometry<br>Algebra 2  | <b>a)</b> U.S. History – 1 yr.<br><br>World History – 1 yr.<br><br><b>b)</b> English – 4 yrs.<br><br><b>c)</b> Mathematics – 3 yrs. (minimum)<br>Algebra 1<br>Geometry<br>Algebra 2   |
| Essay          | <b>d)</b> Laboratory Science – 2 yrs.<br>(One year of approved Biological Science and one year of approved Physical Science)<br><br><b>e)</b> Foreign Language – 2 yrs.<br><br><b>f)</b> Visual/Performing Arts – 1 yr.<br>(same subject area)<br><br><b>g)</b> College Prep Electives – 1 yr. | <b>d)</b> Laboratory Science – 2 yrs.<br>(3-4 yrs. highly recommended)<br>(Must complete two of the following three areas: Biology, Chemistry, Physics)<br><br><b>e)</b> Foreign Language – 2 yrs<br>(3 yrs. highly recommended)<br><br><b>f)</b> Visual/Performing Arts – 1 yr.<br>(same subject area)<br><br><b>g)</b> College Prep Electives – 1 yr. |
| Recommendation | NO   | YES   |
| Recommendation | NO   | NO  |



# Valencia High School

## UC/CSU Requirements a-g Approved List

|  |  |  |   |
|--|--|--|---|
| <b>(a) History/Social Science</b><br><i>Two years required</i>   | American Government<br>American Government (AP) *<br>European History (AP) *<br>Human Geography (AP) *               | Modern Civilizations<br>US History<br>US History (AP) *<br>World History (AP) *  |   |
| <b>(b) English</b><br><i>Four years required</i>   | English 9<br>English 9 (H)<br>English 10<br>English 10 (H)<br>American Literature                                    | Engl. Lang. & Comp. (AP) *<br>Adv. Comp. & Lit. (AP) *<br>Bible as Literature<br>Film as Literature<br>Humanities  | Mythology & Folklore<br>Science Fiction<br>Shakespeare  |
| <b>(c) Math</b><br><i>Three years required</i><br><u>Four years recommended</u>  | Algebra 1<br>Geometry 1<br>Geometry 1 (H)<br>Algebra 2<br>Algebra 2/Trigonometry                                     | Algebra 2/Trigonometry (H)<br>Trigonometry<br>Statistics<br>Pre-Calculus   | Pre-Calculus (H) *<br>Calculus AB (AP) *<br>Calculus BC (AP) *  |
| <b>(d) Lab Science</b><br><i>Two years required</i><br>(Two of the following three:<br>Biology, Chemistry, & Physics)<br><u>Four years recommended</u> | Biology<br>Biology (AP) *<br>Biology 2<br>Chemistry<br>Chemistry (H) *   | Environmental Science (AP) *<br>Human Anat./Physiology (H)<br>Marine Studies<br>Materials Science<br>Microbiology (H)  | Molecular Genetics (H)<br>Physics<br>Physics B (AP) *<br>Physics C (AP) *   |
| <b>(e) Foreign Language</b><br><i>Two years required</i><br><u>Three-Four years recommended</u>  | American Sign Language 1<br>American Sign Language 2<br>American Sign Language 3<br>French 1<br>French 2             | French 3<br>French Language (AP) *<br>Italian 1<br>Italian 2<br>Italian 3  | Spanish 1<br>Spanish 2<br>Accelerated Spanish<br>Spanish 3<br>Spanish Language (AP) *   |
| <b>(f) Visual &amp; Performing Arts</b><br><i>One year required</i><br>(Must be the same area for both semesters)                                      | Art 1<br>2-D Art<br>3-D Art<br>Art History (AP) *<br>Ceramics<br>Chorus-Women's<br>Concert Choir<br>Dance Production | Graphic Design<br>Jazz Ensemble<br>Marching Band/Symphonic Band<br>Mixed Chorus<br>Music Appreciation<br>Painting/Drawing Studio<br>Photography 1<br>Photography 2 | ROP Commercial Photography<br>Small Vocal Ensemble<br>Studio Art (AP) *<br>Symphonic Band<br>Theater Arts 1<br>Theater Arts 2<br>Theater Arts 3<br>Video Production 1 |
| <b>(g) College Prep Electives</b><br><i>Two semesters required</i><br><br>(Senior Government &<br>Economics meets this requirement)                    | 2-D Art<br>Art History (AP) *<br>Astronomy<br>AVID 12<br>Meteorology<br>Earth Science                                | Economics<br>Economics (H)<br>Human Geography (AP) *<br>Journalism<br>Painting/Drawing Studio  | Psychology (AP) *<br>Sociology<br>Speech<br>Studio Art (AP) *<br>Theater 2<br>Theater 3   |

# SAMPLE FOUR-YEAR EDUCATIONAL PLAN

## For the College-Bound Student

|            | <u>First Semester</u>  | <u>Second Semester</u>  |
|------------|--|---|
| 9th Grade  | English 9A<br>Algebra<br>Biological Science<br>Foreign Language 1A<br>Physical Education<br>Fine Art Elective                                    | English 9B<br>Algebra<br>Biological Science B<br>Foreign Language 1B<br>Physical Education<br>Health/9 <sup>th</sup> Grade Seminar          |
| 10th Grade | English 10A<br>Geometry<br>Chemistry A<br>Modern Civilization A<br>Foreign Language 2A<br>Physical Education                                     | English 10B<br>Geometry<br>Chemistry B<br>Modern Civilization B<br>Foreign Language 2B<br>Physical Education                                |
| 11th Grade | American Literature A<br>Algebra 2A or Alg. II/Trig A<br>A-G Approved Science<br>U.S. History A<br>Foreign Language 3A<br>Practical Art Elective | American Literature B<br>Algebra 2B or Alg. II/Trig B<br>A-G Approved Science<br>U.S. History B<br>Foreign Language 3B<br>Fine Art Elective |
| 12th Grade | American Government<br>Senior English<br>Trigonometry or Pre-Calc. A<br>A-G Approved Science<br>Academic Elective<br>Academic Elective           | Economics<br>Senior English<br>Statistics or Pre-Calc. B<br>A-G Approved Science<br>Academic Elective<br>Academic Elective                  |

(This is only a SAMPLE plan. Students may take any combination of courses that best suit the student's/family's and prospective college's needs.)

# SAMPLE FOUR-YEAR EDUCATIONAL PLAN

## For the College-Bound Honors/AP Student

|            | <u>First Semester</u>  | <u>Second Semester</u>   |
|------------|--|--|
| 9th Grade  | English 9A Honors<br>Geometry 1A Honors<br>Biology (AP)<br>Foreign Language 1A<br>Physical Education<br>Fine Art Elective A                      | English 9B Honors<br>Geometry 1B Honors<br>Biology (AP)<br>Foreign Language 1B<br>Physical Education<br>Health/9 <sup>th</sup> Grade Seminar     |
| 10th Grade | English 10A Honors<br>Algebra 2/Trig A Honors<br>Chemistry A Honors<br>European History A (AP)<br>Foreign Language 2A<br>Physical Education      | English 10B Honors<br>Algebra 2/Trig B Honors<br>Chemistry B Honors<br>European History B (AP)<br>Foreign Language 2B<br>Physical Education      |
| 11th Grade | English Language & Comp A(AP)<br>Pre Calculus A Honors<br>Physics A (AP)<br>U.S. History A (AP)<br>Foreign Language 3A<br>Practical Art Elective | English Language & Comp B(AP)<br>Pre Calculus B Honors<br>Physics B (AP)<br>U.S. History B (AP)<br>Foreign Language 3B<br>Fine Art Elective B    |
| 12th Grade | Advanced Comp/Lit A (AP)<br>Calculus (AP)<br>A-G Approved Science<br>Government (AP)<br>Foreign Language (AP)<br>A-G Approved Academic Elective  | Advanced Comp/Lit B (AP)<br>Calculus (AP)<br>A-G Approved Science<br>Economics Honors<br>Foreign Language (AP)<br>A-G Approved Academic Elective |

(This is only a SAMPLE plan. Students may take any combination of courses that best suit the student's/family's needs.)

## COLLEGE ENTRANCE EXAMINATIONS

You will need to take the SAT Reasoning Test, SAT Subject Tests, ACT, and/or a placement tests before being admitted to most colleges. Check the catalog and/or website of the schools you plan on applying to or see a counselor for accurate information. Test dates will be posted in the guidance office.

### National Test Dates 2011 - 2012

#### PSAT - Saturday, October 15, 2011

#### SAT Reasoning and Subject Tests (Tentative)

| TEST DATE        | TEST                | REGULAR DEADLINE               |
|------------------|---------------------|--------------------------------|
| October 1, 2011  | SAT & Subject Tests | Not Available until June, 2011 |
| November 5, 2011 | SAT & Subject Tests | Not Available until June, 2011 |
| December 3, 2011 | SAT & Subject Tests | Not Available until June, 2011 |
| January 28, 2012 | SAT & Subject Tests | Not Available until June, 2011 |
| March 10, 2012   | SAT only            | Not Available until June, 2011 |
| May 5, 2012      | SAT & Subject Tests | Not Available until June, 2011 |
| June 2, 2012     | SAT & Subject Tests | Not Available until June, 2011 |

#### ACT

| TEST DATE          | REGULAR DEADLINE   | LATE DEADLINE      |
|--------------------|--------------------|--------------------|
| September 10, 2011 | August 12, 2011    | August 26, 2011    |
| October 22, 2011   | September 16, 2011 | September 30, 2011 |
| December 10, 2011  | November 4, 2011   | November 18, 2011  |
| February 11, 2012  | January 13, 2012   | January 20, 2012   |
| April 14, 2012     | March 9, 2012      | March 23, 2012     |
| June 9, 2012       | May 4, 2012        | May 18, 2012       |

You can register online for these tests at:

SAT Test – [www.collegeboard.com](http://www.collegeboard.com)

ACT Test – [www.actstudent.org](http://www.actstudent.org)

## VALENCIA HIGH SCHOOL - FOUR YEAR PLAN

| Grade 9      |              | Grade 10  |           | Grade 11 |          | Grade 12 |          | Summer School<br>(9-10)  |
|--------------|--------------|-----------|-----------|----------|----------|----------|----------|--------------------------|
| Fall         | Spring       | Fall      | Spring    | Fall     | Spring   | Fall     | Spring   |                          |
| English      | English      | English   | English   | English  | English  | English  | English  | _____                    |
|              |              |           |           |          |          |          |          | _____                    |
| Math         | Math         | Math      | Math      | Elective | Elective | Elective | Elective | (10-11)                  |
|              |              |           |           |          |          |          |          | _____                    |
| Science      | Science      | Science   | Science   | Elective | Elective | Elective | Elective | (11-12)                  |
|              |              |           |           |          |          |          |          | _____                    |
| PE           | PE           | PE/DrEd/H | PE/DrEd/H | PE/Elec  | PE/Elec  | PE/Elec  | PE/Elec  | <b>Personal Goal:</b>    |
|              |              |           |           |          |          |          |          | _____                    |
| FineArt/Elec | FineArt/Elec | Mod Civ   | Mod Civ   | US Hist  | US Hist  | Gov/Econ | Gov/Econ | <b>Career Goal:</b>      |
|              |              |           |           |          |          |          |          | _____                    |
| PracArt/Elec | PracArt/Elec | Elective  | Elective  | Elective | Elective | Elective | Elective | <b>Educational Goal:</b> |
|              |              |           |           |          |          |          |          | _____                    |
| sem credits  |              |           |           |          |          |          |          | _____                    |
| cum credits  |              |           |           |          |          |          |          | _____                    |

Work: .....

Trade School: .....

# ENGLISH

Communication is a vital part of everyone's life. Reading, writing, speaking, and listening are skills that everyone needs in order to be better communicators. The English program at Valencia High School is designed to help the student learn and improve these skills. The heart of the English curriculum is the ninth and tenth grade program. These courses provide the basis for the development of more sophisticated skills in the areas of critical thinking, listening, speaking, writing, and reading. The program is modeled after the state-developed Model English Curriculum Standards. The curriculum is literature-based and requires intensive reading, writing, speaking, and listening. Short stories, plays, novels, poetry, essays, and non-fiction will be used to broaden creative thinking and analytical skills.

## Possible Career Objectives for the Student with English Training

|                         |                          |
|-------------------------|--------------------------|
| Advertising Copywriter  | Politician               |
| Broadcaster             | Public Relations Officer |
| Business Administrator  | Public Service Worker    |
| Clergy, Minister        | Publisher                |
| Columnist/Journalist    | Record Keeper            |
| Court Reporter          | Salesperson              |
| Data Entry Operator     | Screenwriter             |
| Editor/Evaluator        | Secretary                |
| Law Enforcement Officer | Speech Writer            |
| Lawyer                  | Teacher                  |
| Legal Assistant         | Technical Writer         |
| Newscaster              | Writer                   |
| Payroll Clerk           | Writing Consultant       |
| Playwright              |                          |

## **ADVANCED COMPOSITION AND LITERATURE A/B (AP)**

Grade 12

Credits 10

UC Approved

Prerequisite: Completion of summer assignment before the fall semester

The primary goal of the senior Advanced Placement English Literature course at VHS is to develop each student's abilities as a writer and critical reader by offering a college level course on our campus. If the student successfully completes the national examination in May, she or he may qualify for up to one year's college credit in English.

To reach this goal, this class is designed to achieve the following:

- ✓ To enable students to analyze poems, short stories, nonfiction, drama, and novels independently
- ✓ To equip students with skills in stylistic analysis of prose passages
- ✓ To enable students to write effective critical analysis
- ✓ To enable students to complete well-written, timed compositions on impromptu subjects

- ✓ To have students probe themes as they are evidenced in a variety of works
- ✓ To enable students to synthesize treatments of specific themes
- ✓ To prepare students for success on the Advanced Placement Test in English Literature and Composition

Over the course of the year, students will be studying the short story, poetry, nonfiction, drama and the novel. The purpose of this is to assist students in becoming well versed in the different genres as critical thinkers, attentive readers and interesting presenters. AP Lit students will assume the role of literary scholars. The challenge will be to come to the works with an open mind and make their own meanings through careful analysis and discovery. This course will encourage that personal exploration but also engender an environment of discussion and a sharing of ideas; an active involvement in classroom discussions is vital to all students' success in class.

## **AMERICAN LITERATURE A/B**

Grade 11

Credits 5/5

UC Approved

The course will investigate the poems, plays, novels, short stories, and essays of American writers. In addition to providing a sound historical background in the development of American Literature, the students will write essays aimed at deepening critical reading and writing skills.

## **BIBLE AS LITERATURE**

Grade 12

Credits 5

UC Approved

The purpose of this class is to familiarize students with the array of books collectively known as the Bible. The class will be dealing with the text as a literary work in an objective fashion. Students will be looking at the text in terms of literary elements such as narrative, plot, character, setting, symbolism, imagery and a variety of other literary devices. In addition, students will be familiarized with the influence the Bible has had on a variety of other media throughout Western history. As such, a selection of other texts will be examined including short stories, novels and poetry. We will also be looking at film and music that has been influenced by the Bible.

Students who successfully complete The Bible As/In Literature will be familiar with the Bible in its entirety. They will also be able to identify a variety of themes, symbols, characters and settings from the Bible when presented in another context. Examples would be allusions in literature, symbolism in art/poetry and references in everyday language, to name but a few. The course is also intended to help students develop their abilities to read, speak, write, and listen effectively and critically.

## **ENGLISH AS A SECOND LANGUAGE - ELA I/II/III/IV**

Grades 9-12

Credits 5-40

These courses are designed for students for whom English is not the primary language and who have not yet mastered sufficient skill in the English language to succeed academically. Emphasis is on survival listening and speaking skills and on reading comprehension and writing for academic success.

## **ENGLISH 9 A/B**

Grade 9

Credits 5/5

UC Approved

The objectives of this course are to develop competence in writing clear, coherent, correct sentences and paragraphs, and to develop critical thinking and reading skills as they are demonstrated in discussion and writing. Examples of short stories, novels, plays, non-fiction, and poetry will be examined to determine the relationship of form and content, and to develop in the student the ability to see beyond the printed word into the intent of the writer. Through discussion and frequent writing assignments, the teacher will emphasize why and how a writer achieves his intended aim. Special attention will be given to usage errors such as sentence fragments and run-ons, confusion of adjectives and adverbs, and unclear word use in student writing. Review of grammar and vocabulary instruction will be included.

## **ENGLISH 9 A/B (HONORS)**

Grade 9

Credits 5/5

UC Approved

Prerequisite: Teacher recommendation based on demonstrated proficiency in critical thinking and writing skills as measured by placement test, junior high English department recommendation, and past English performance. Students must maintain a “C” average in English to remain in the honors program.

The objectives of this course are to develop effective writing skills as demonstrated in multi-paragraph composition, to develop advanced critical reading skills, and to develop effective oral communication skills. Placement in an advanced class assumes an ability and interest level exceeding that of the average student. Students will be required to read challenging literature, to make oral presentations, and to write a number of creative and expository papers.

## **ENGLISH 10 A/B**

Grade 10

Credits 5/5

UC Approved

This course expands upon the critical reading, thinking, and writing skills attained in the preceding year by examining challenging short stories, novels, plays, poetry, and non-fiction. The difficulty level in the materials read, discussed, and written about will exceed that of the 9th grade course. The course will include an intensive review of fundamental grammar, usage, and mechanical skills of writing, with special attention given to creation of thoughtful essays. The primary objective of the class is to develop each student’s ability to write clear, correct, coherent, and interesting multi-paragraph compositions.

## **ENGLISH 10 A/B (HONORS)**

Grade 10

Credits 5/5

UC Approved

Prerequisite: Teacher recommendation based on an “A” or a “B” in English 9 Honors, writing sample, past English performance, or department recommendation.

This course will study the literature and literary history of Great Britain from the Anglo-Saxon to the present. The course will require numerous challenging reading assignments, essay and

objective exams, vocabulary development, oral and written reports, and a research project each semester.

## **ENGLISH LANGUAGE AND COMPOSITION (AP)**

Grade 11

Credits 5/5

UC Approved

Prerequisite: Grade of “B” or better in English 10 Honors, “A” or “B+” in English 10 A/B with teacher recommendation, completion of summer assignment, and parent approval. Strong control of standard English including grammar, sentence structure, and basic essay format.

The primary goal of the class is to develop each student’s ability as a critical reader and analytical writer. Weekly written assignments and extensive reading are important components of this class and require consistent effort from each student. Students are expected to leave this class with the writing ability of a college sophomore. All students are expected to take the AP exam.

## **FILM AS LITERATURE**

Grade 12

Credits 5

UC Approved

Film as Literature is a college preparatory class in which students will examine motion pictures as pieces of literature, just as they have studied novels in other English courses. Students will watch full-length films and respond to various aspects of those films through formal essays, exams, research assignments, and other projects. Film history, film technique, genre studies, and the role of motion pictures in society will be studied as a part of the course.

## **HUMANITIES**

Grade 12

Credits 5

UC Approved

Prerequisite: Grade of “C” or better in previous English courses

Humanities is based on the philosophy that “man is the measure of all things.” The class will investigate the achievements of such great thinkers and writers as Aristotle, Plato, Sophocles, Euripedes, Homer, Dante, Goethe, Chaucer, Eliot, Machiavelli, and Pasternak; such great artists as Renoir, Picasso, DaVinci, and Michelangelo; and such great composers as Bach, Beethoven, and Tchaikowski.

## **MYTHOLOGY AND FOLKLORE**

Grade 12

Credits 5

UC Approved

This course is designed to present a picture of how myths and legends have enriched the lives of man since the beginning of time and to explore how they illustrate man’s attempts to explain and understand his origin, his world, and his existence. It will examine the diversity of cultures and human values found in different countries and different times to understand the basic similarities that exist in every individual’s search to define and understand his or her relationship to the universe.

## **SCIENCE FICTION**

Grade 12

Credits 5

UC Approved

Science Fiction is a literary form that looks at tomorrow in terms of today, the future in terms of the present. It presents possible futures (and pasts) based on present scientific knowledge.

Space explorations, alien intelligence, robots, space cities, and time travel are only a few of the topics explored through reading, discussion, and writing. Ray Bradbury once said: "All of the important problems of our age are science-fictional problems." This course offers an invitation to all students who are interested in the problems of the future to read, analyze, discuss, and write about the exciting worlds of science fiction.

## **SHAKESPEARE I**

Grade 12

Credits 5

UC Approved

Prerequisite: Grade of "C" or better in previous English courses

This course will serve as an introduction to the works of William Shakespeare. Various works of Shakespeare will be read in class with a focus on historical criticism, language, and meter.

Reading, performing, writing, and interactive projects will be a part of this class.

## **SPEECH**

Grades 12

Credits 5

UC Approved-Area "g" Only

This course will expose the student to a variety of speaking techniques and communication skills. Self-confidence in public speaking will be enhanced. Students will be encouraged to participate in speech contests. Effective oral communication in different situations is critical to success in life. This course will enable students to be organized and articulate in oral presentations.

# FINE ARTS

Classes in the visual and performing arts provide students the opportunity to discover or develop a talent, explore an area of interest, or acquire appreciation for human achievement. Self-motivation, persistence, self-discipline, and patience are qualities that will serve well if pursuing a career in the visual and performing arts.

## Possible Career Objectives for the Student with Visual Art Training

|                    |                   |
|--------------------|-------------------|
| Advertising Artist | Display Designer  |
| Animator           | Gallery Director  |
| Art Collector      | Historian         |
| Art Critic         | Interior Designer |
| Art Historian      | Muralist          |
| Art Teacher        | Painter           |
| Arts Administrator | Photographer      |
| Book Illustrator   | Potter            |
| Ceramist           | Sculptor          |

## Possible Career Objectives for the Student with Music Training

|                             |                             |
|-----------------------------|-----------------------------|
| Accompanist                 | Music Composer              |
| Arranger                    | Music Critic                |
| Arts Administrator          | Music Editor                |
| Audio Engineer              | Musicologist                |
| Business Manager            | Orchestra/Band Manager      |
| Conductor/Director          | Performer - Instrumentalist |
| Copyright researcher/lawyer | Performer - Vocalist        |
| Fund Raiser                 | Teacher (private or public) |
| Instrument Technician       | Tour Manager                |

## Possible Career Objectives for the Student with Theater Training

|                     |                  |
|---------------------|------------------|
| Actor               | Newscaster       |
| Broadcaster         | Playwright       |
| Costume Designer    | Sound Technician |
| Director            | Stage Designer   |
| Lighting Technician | Teacher          |

## **ART HISTORY A/B (AP)**

Grade 11-12

Credits 10

UC Approved

This course is designed for students to examine major forms of artistic expression in different cultures from past to present. Students learn to look at and discuss works of art critically, with intelligence and sensitivity. Students will analyze and develop an appreciation for great works of art.

## **MUSIC APPRECIATION A/B**

Grades 9-12

Credits 5/5

UC Approved

This course is designed to improve students' understanding and appreciation of music. Emphasis is placed upon those works considered classics in the history of music in western civilization including medieval to 20<sup>th</sup> century masters. This course is not to make students like the music they study; it is to help them understand and respect it. Involving students in processes that reveal the complexities of music encourages them to discern each musical example from a specific viewpoint. Through multiple experiences, students accumulate an understanding of the art itself. Focus is on recognizing musical characteristics, acquiring knowledge about music and developing musical skills.

## **CHORAL MUSIC**

### **MIXED CHORUS A/B**

Grades 9-12

Credits 5-40

UC Approved

Mixed Chorus is a non-auditioned choral ensemble that provides an "easy-learning" atmosphere for those students who wish to improve their vocal skills. The class focuses on the instruction of basic vocal, sight-reading, and music theory skills. Repertoire from many choral styles is learned and performed. Concerts are a part of the student's curriculum and assessments.

### **CHORUS ALTO/SOPRANO A/B-(Women's Advanced Vocal Ensemble)**

Grades 9-12

Credits 5-40

UC Approved

Prerequisite: Audition and consent of instructor

This is an advanced level class for ladies. Some previous choral experience is required. Students may enter the class at the beginning of the school year or at the semester. Music of various genres, languages and periods in history will be performed. Emphasis is on vocal development and style with continued focus on proper vocal use, breathing and posture. Music theory will be included in the curriculum. Students perform standard repertoire as well as pop and show choir music. Students perform at concerts, festivals, and in the community. Performances are mandatory.

### **CONCERT CHOIR A/B**

Grades 10-12

Credits 5-40

UC Approved

Prerequisite: Audition and consent of the instructor

This choir is an advanced performing ensemble for students who have mastered the basic fundamentals of ensemble singing. The Valencia Choirs will perform in school, community, and festival programs. Attendance at performances is mandatory. This is a touring choir.

## **SMALL VOCAL ENSEMBLE (Advanced Vocal Jazz I & II)**

Grades 10-12

Credits 5-40

UC Approved

Prerequisite: Membership in Concert Choir, audition and consent of instructor.

Advanced Vocal Jazz I & II, two separate ensembles, are the most advanced of the small choral ensembles here at Valencia High School. It performs challenging literature and jazz pieces from all of the various musical eras written for small vocal ensembles. This class concentrates on vocal improvisation (scatting), beat boxing, a capella singing, performing with a combo, and learning the basics that are essential to all musicians. Concentration will also be on solo singing, singing in a small group, and emphasis on part balancing microphones. Although Advanced Vocal Jazz is not a “core academic class”, it is considered a fine arts elective. The Vocal Jazz groups will perform in Festivals, Workshops and tour annually.

## **INSTRUMENTAL MUSIC**

### **PERCUSSION ENSEMBLE (DRUM LINE)**

Grades 9-12

Credits 5-20

Prerequisite: Audition and/or approval of the instructor

This course is presented during the spring semester only. It is designed to increase the skill level battery (snare drum, tenor drum, and bass drum) players as well as those of the more stationary percussion instruments such as mallet keyboard instruments (xylophone, marimba, vibraphone, bells), Latin percussion instruments (conga drums, bongo drums, claves, timbales), and concert instruments (concert bass drum, suspended cymbals, triangle, etc.) through rehearsal and presentation of a competitive drum line program. Players are expected to be the percussion section of the marching band during the fall semester.

### **JAZZ ENSEMBLE A/B (Concert Jazz Band)**

Grades 9-12

Credits 5-40

UC Approved

Prerequisite: Audition and consent of the instructor

This is an ensemble for accomplished musicians to learn to play the many styles that fall under the general category of jazz at a very highly refined level. The skills and knowledge required for advanced improvisation are developed, as is the understanding of the many stylistic characteristics of music in the jazz idiom. This ensemble consists of one player on each of the 4 or 5 trumpet parts, 4 or 5 trombone parts, 5 saxophone parts, and the piano, bass, drums, guitar and percussion parts. This group competes in jazz festivals with other schools and performs at concerts on campus as well as by invitation for community and other groups. Attendance at all rehearsals and performances is mandatory and is considered to be part of the course requirements.

## **MARCHING BAND**

Grades 9-12

Credits 5-20

UC Approved—only if taken in conjunction with Symphonic Band B

Prerequisite: Audition and/or consent of the instructor

Marching band is a large musical ensemble for wind and percussion instrumentalists.

Instrumental playing techniques and marching techniques are developed and applied primarily to a competitive field show which is presented throughout the fall semester at home football games and in Saturday competition tournaments with bands from other schools. Attendance in band camp (on-campus training activities roughly one week prior to the opening of school in the fall), at one evening practice each week through early November, and at some after-school rehearsals is required. Attendance at those rehearsals and at all performances is mandatory and is considered to be part of the course requirements. The marching band also performs at rallies and other school events. PE credit is awarded for this course.

## **SYMPHONIC BAND**

Grades 9-12

Credits 5-20

UC Approved

Prerequisite: 1<sup>st</sup> semester: Participation in Marching Band and audition and/or consent of the instructor. 2<sup>nd</sup> semester: Audition and/or consent of the instructor

Instrumental techniques are refined and an understanding of music more suitable to the concert stage is developed through rehearsal and performance of selected literature. This band participates in concert band festivals for adjudication and rating and presents concerts on campus, which are open to the public. With few exceptions, students who have been in the marching band or who have demonstrated the ability to play an instrument at a suitable level are accepted into this ensemble. Attendance at all rehearsals and performances is mandatory and is considered to be part of the course requirements.

## **THEATER ARTS**

### **THEATER ARTS 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of “C” or better in Theater 1A to advance to 1B

Theater Arts 1 is designed to expose students to drama by developing theater skills and promoting an appreciation of the dramatic art. This is done through participation, evaluation, and written and oral testing. Assignments include textbook theory, group dynamics, pantomimes, group scenes, improvisation, play readings, costuming, theater history, and make-up.

## **THEATER ARTS 2 A/B (Advanced Acting)**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Theater 1B

Theater Arts 2 (Advanced Acting) is a one-year course with hands-on activities. Specialized instruction in method acting and technique is emphasized. Students who are accepted for enrollment will apply the basics learned in Theater Arts 1 to advance their understanding in improvisation, speech, modern and classical scene studies, monologues, stage presence, dialects, and directing. Elements of play production will be reviewed and elaborated upon. Viewing and critiquing of professional theater is required. Additional work on school productions is also required as an extension of classroom learning.

## **THEATER ARTS 3A/B (Production)**

Grades 10-12

Credits 5-5

UC Approved

Prerequisite: A grade of "C" or better in Theater 1B

Production is an intensified course for advanced theater students in both the acting and technical areas. Students who intend to work on VHS theater productions should consider this course, which will involve active work on the sets, costumes, props, lights, and sound of the current production. Additionally, units on theory and practice as well as acting, make-up, and history of theater will be included. Dedicated participation and responsibility in rehearsals and on chosen crews during production is also required as an extension of classroom learning. Students with an emphasis in acting will also be expected to participate in acting tournaments in the southern California area.

## **VISUAL ARTS**

### **ART 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: "C" grade or better in Art 1A for Art 1B

This is an introductory course providing a wide range of experiences creating, responding to, and understanding art. Students will develop an appreciation for a variety of art forms. Emphasis is placed on the elements and principles of design in both two and three-dimensional artworks. Creativity, innovation, problem solving, and exploration are encouraged. A materials contribution of \$25 is appreciated.

## **DRAWING AND PAINTING STUDIO A/B**

Grades 10-12

Credits 5/5

UC Approved

This course is designed for students who have expressed an interest in completing an Advanced Placement exam. Student projects are structured to meet the College Board Exam requirements. Emphasis will be placed on completion of a volume of quality pieces. Students will learn techniques and skills used in drawing and painting, and are required to work from models and still life displays, and study styles and genres of art. Students will demonstrate successful engagement with a broad range of drawing/painting issues. Students are expected to participate in class critiques.

## **2-DIMENSIONAL ART A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Art 1A/B or permission of instructor upon viewing portfolio of student work

Students spend 2 ½ hour blocks twice each week in an art studio atmosphere, which allows for immersion in their artwork. This course utilizes the skills learned in Art 1 A/B and challenges students to use them with advanced methods. The course includes figure drawing, large format drawing, landscape and still life painting with new mediums such as watercolor pencils and acrylic paint. The class also creates book arts with a self-themed visual journal that is created over the course of the year. Digital arts include Photoshop, Illustrator for drawing, painting and character design, Bryce and Poser for 3D modeling, landscape and animation, and 3D Studio Max. For students anticipating taking AP Art, this course is an essential step between beginning art courses and AP courses. A materials donation of \$25 is appreciated. Students supply their own materials for 2-Dimensional Art B.

## **3-DIMENSIONAL ART A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite for 3D Art B: A grade of "C" or better in 3D Art A

Students in this course will create and produce a variety of three dimensional art projects at an introductory level. This is a beginning level art course and utilizes a diversity of mediums. 3D Art A and B will include and emphasize standards based instruction and the elements of design. The instruction for 3D Art B will be at an intermediate level. A lab contribution of \$25 is appreciated.

## **STUDIO ART (AP) – Drawing portfolio**

Grades 10-12

Credits 10

UC Approved

Prerequisite: Painting and Drawing Studio A/B or 2D Art A/B are recommended. One year of Art is required and/or permission of AP instructor.

The Advanced Placement Studio Art course requires the students to develop a portfolio of 25 to 40 pieces of artwork in painting and drawing using various media and techniques. Portfolios are

evaluated in three sections: quality, concentration, and breadth. Upon receiving a passing score, students may earn eight college credits from participating colleges and institutions. Students must earn at least a “C” grade at the first semester to continue on to the second semester. . A materials contribution of \$45 is requested per semester.

### **STUDIO ART (AP) – 2D portfolio**

Grades 10-12

Credits 10

UC Approved

Prerequisite: Painting and Drawing Studio A/B or 2D Art recommended. One year of Art is required and/or permission of AP instructor. May be taken concurrently with 2D Art A/B, Digital Photography 2 A/B, or Painting and Drawing Studio A/B.

The Advanced Placement Studio Art course requires the students to develop a portfolio of 25 to 40 pieces of artwork in digital photography, photography, painting, drawing, and design using various media and techniques. Portfolios are evaluated in three sections: quality, concentration, and breadth. Upon receiving a passing score, students may earn eight college credits from participating colleges and institutions. Students must earn at least a “C” grade at the first semester to continue on to the second semester. A materials contribution of \$45 is requested per semester.

### **STUDIO ART (AP) – 3D portfolio**

Grades 10-12

Credits 10

UC Approved

Prerequisite: Ceramics 2A/B or 3D Art A/B recommended. One year of Art is required and/or permission of AP instructor. May be taken concurrently with Ceramics 2 A/B or 3D Art A/B.

The Advanced Placement Studio Art – 3D portfolio course requires the students to develop a portfolio of 20 to 30 sculpture pieces in various media and techniques. Portfolios are evaluated in three sections: quality, concentration, and breadth. Upon receiving a passing score, students may earn eight college credits from participating colleges and institutions. Students must earn at least a “C” grade at the first semester to continue on to the second semester. A materials contribution of \$45 is requested per semester.

### **CERAMICS 1A/B**

Grades 9-12

Credits 5/5

UC Approved

This is an introductory course providing exploration in ceramics while creating stronger foundations in art history, contemporary art, and the function of art. Students will learn techniques and clay processes while studying the principles and elements of design. Emphasis will be placed on functional, non-functional, 3D design, and sculptural aspects of the medium. A materials contribution of \$30 is appreciated.

## **GRAPHIC DESIGN 1A/B**

Grades 9-12

Credits 5/5

UC Approved

This course helps prepare students in careers associated with communication, advertising, and graphic design. Students learn basic functions of Adobe Illustrator, Photoshop, Flash and InDesign. In section 1A, subject material is based on learning industry software and elements and principles of design. In section 1B, lessons stimulate creativity through a variety of assignments requiring learned artistic skill. Students learn and create designs for skateboards, packaging, posters, cd cases, etc. In both sections, a final portfolio is created by the student that effectively communicates his/her work through a finished multimedia product. A contribution of \$15 is appreciated.

## **PHOTOGRAPHY 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: Student must provide digital camera and a USB Flash Drive. A "C" grade or better in Photography 1A is required to continue to Photography 1B.

This class is an introduction to concepts in digital technology. Digital manipulation using Adobe Photoshop CS2 is the basis for this course. Elements of art and principles of design will be incorporated into student projects. These concepts also stress photography as an art form. Photo 1B builds on curricula taught in Photo 1A and explores advance concepts in digital photography. A materials contribution of \$15 each semester is appreciated.

## **PHOTOGRAPHY 2A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Student must provide digital camera and a USB Flash Drive. A "B" grade or better in Photography 1B is required to enroll in Photography 2 A/B.

This course continues to explore advanced concepts in Digital Photography. An emphasis is placed on style and development and self-study. Composition and aesthetic criteria are stressed for portfolio development. This course is designed to strengthen conceptualization skills. A materials contribution of \$15 each semester is appreciated.

## **VIDEO PRODUCTION 1A/B**

Grades 9-12

Credits 5

UC Approved

Prerequisite: Completion of Video 1A with a "C" or better to take Video 1B

This course provides a basic understanding of all the aspects of the film and television industry as well as learning how to produce videos. Students will be trained in the use of cameras, editing equipment, script writing, story boarding, and how to do voice-overs. Students will learn the basic steps involved in producing their own videos as they use the equipment to produce commercials, public service announcement, movies, and music videos. In Video Production 1B students will learn the more advanced techniques of video production in preparation for a career placement. Students will be instructed in the use of Super VHS cameras, linear editing with

mixers, non-linear Avid editing, green-screen effects, and lighting. Students will work with small groups to enhance their skills in producing larger scale videos. Part of this class will be dedicated to making small feature stories to enter into the Clarita Awards. Students will also learn how to work in bigger groups as they complete a ten-minute video production as an entire class. A contribution of \$10 for Video 1A and \$15 for Video 1B is appreciated.

# FOREIGN LANGUAGES

The first two years of language study at Valencia H.S. are devoted to acquiring the fundamental skills of conversation, grammar, reading, and writing as well as an understanding of the culture. In the following years, the student learns additional phrases for conversation and continues to increase vocabulary. The advanced levels include more comprehensive oral response and the student examines, more intently, the literature and culture of the country.

The ability to communicate with people from many different countries in an increasingly global economy has many advantages, including personal satisfaction and professional rewards. Whether in the public sector, private industry, or a service profession, knowing a second language is truly a marketable skill that gives one an advantage when applying to many job opportunities.

## Possible Career Objectives for the Student with Foreign Language Training

|   |                          |
|---|--------------------------|
| Airline Flight Attendant                  | Hotel Industry Personnel |
| Bilingual Aide                            | Human Resources Officer  |
| Business Representative, Overseas Officer | Interpreter              |
| Court Reporter                            | Journalist               |
| Cultural Anthropologist                   | Law Enforcement Officer  |
| Customs Agent                             | Nurse                    |
| Department Store Personnel                | Social Worker            |
| Diplomatic Corps Member                   | Teacher                  |
| Doctor                                    | Tour Director            |
| Exporter/Importer                         | Translator               |
| Hotel Industry Personnel                  |                          |

## **AMERICAN SIGN LANGUAGE 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

The beginning course teaches communication in sign language through the knowledge of vocabulary and syntactical principles of American Sign Language. There will be a focus both on receptive and expressive sign skills. A strong emphasis is placed on values and beliefs of people within the American Deaf culture.

## **AMERICAN SIGN LANGUAGE 2 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: Successful completion of ASL 1B with a grade of “C” or better

A continuation of American Sign Language 1, this course is designed to further develop receptive and expressive fluency using more complex grammatical structures and vocabulary.

## **AMERICAN SIGN LANGUAGE 3 A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Successful completion of ASL 2B with a grade of “C” or better

A continuing emphasis on vocabulary building through story telling, songs, and discussion of every-day events. ASL grammar, use of classifiers, and fingerspelling are studied in greater detail.

## **FRENCH 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: 9th grade - A "B" or better in junior high school English courses

10th grade - A “C” or better in 9th grade English courses

This introductory course teaches communication in the French language through a balanced focus on the listening, speaking, reading, and writing skills. Emphasis is placed on learning about the customs and lifestyles of the French-speaking world. Successful completion of French 1A with a grade of “C” or better at the semester is required to continue with French 1B

## **FRENCH 2 A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Completion of French 1B with a grade of "C" or better

A continuation of French 1, this course is designed to further develop the skills of oral and written communication in French using more complex grammatical structures and vocabulary. Students will continue their study of French language and French culture. Successful completion of French 2A with a grade of “C” or better at the semester is required to continue with French 2B.

## **FRENCH 3 A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Completion of French 2B with a grade of "C" or better

This college preparatory course is designed to further develop the skills of oral and written communication in French by having the students continue to speak and write the language at an intermediate/advanced level. Students will continue their study of French language and culture, and they will increase their reading skills through literature. Successful completion of French 3A with a grade of “C” or better at the semester is required to continue with French 3B

## **French Language A/B (AP)**

Grades 11-12

Credits 10

UC Approved

Prerequisite: French 3 with a grade of “C” or better or teacher recommendation.

The French AP course is designed to prepare students for the French Language AP exam.

This is course designed to develop oral and written communication skills at an intermediate/advanced level. The student will further develop cross-cultural understanding, noting similarities and differences and recognizing points of misunderstanding.

## **ITALIAN 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

This course is an introductory course for students who wish to learn a foreign language. It is intended to develop limited facility in each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the culture.

## **ITALIAN 2 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: Completion of Italian 1B with a grade of “C” or better

This communicative-based course is designed to teach students to communicate in Italian.

Instruction will emphasize listening, speaking, reading, and writing skills in preparation for advanced work. Students will be able to express themselves at a basic level in present and past tenses. Students will also learn to describe and discuss people, things, foods, leisure activities, and all things Italian. Additional emphasis will be focused on reading comprehension in Italian.

## **ITALIAN 3 A/B**

Grades 9-12

Credits 5/5

UC Approved

Students participate at an in-depth level in the Italian language by forming more complex sentences and sustaining lengthy conversations with well-learned sentence structure, vocabulary and grammar, including a variety of verb tenses. Listening, speaking, reading and writing skills are developed beyond basic survival needs and include individual creative endeavors as well as an introduction to Italian literature. New material is presented using a variety of methods – visuals, gestures and dramatizations. Students engage in focus and cooperative activities and paired practice to reinforce learning.

## **SPANISH 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: 9th grade - A grade of "B" or better in their junior high school English courses

10th grade - A grade of "C" or better in ninth grade English courses

This introductory course in Spanish is designed for those who are preparing for college entrance or who want to lay the groundwork for extensive study of Spanish. The language's basic grammatical structure and vocabulary are taught through practice in reading, writing, listening, and speaking. Successful completion of Spanish 1A with a grade of "C" or better at the semester is required to continue with Spanish 1B.

## **SPANISH 2 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: Completion of Spanish 1B with a grade of "C" or better

This course emphasizes using the language in the present, past, and future tenses. More complex grammatical structures are introduced. Conversational Spanish is stressed as in Spanish 1. Successful completion of Spanish 2A with a grade of "C" or better at the semester is required to continue with Spanish 2B.

## **SPANISH 3 A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Completion of Spanish 2 with a grade of "C" or better or teacher recommendation

This course consists of practice in speaking, reading, and writing Spanish with increased emphasis on reading, writing, vocabulary building, and further study of the language structure. Students will read cultural material that will be used as a basis for conversation and writing. Successful completion of Spanish 3A with a grade of "C" or better at the semester is required to continue with Spanish 3B.

## **SPANISH A/B (AP)**

Grades 11-12

Credits 10

UC Approved

Prerequisite: Spanish 3 with a grade of "C" or better or teacher recommendation.

The Spanish AP course is designed to prepare students for the Spanish Language AP exam. This is course designed to develop oral and written communication skills at an intermediate/advanced level. The student will further develop cross-cultural understanding, noting similarities and differences and recognizing points of misunderstanding.

# MATHEMATICS

The mathematics curriculum is designed to benefit both the student who plans to enter a mathematics-related occupation as well as the student whose objectives do not require a strong background in mathematics. The program encompasses a complete college preparatory sequence of classes, together with classes designed to bring the student to a satisfactory level of competence in basic mathematical skills. The ultimate goal is to provide each student with the best mathematics education possible. Placement may be adjusted to meet the student's needs with the approval of the teacher, parent, and counselor. California Senate Bill 1354 states that beginning with the class of 2004, completion of Algebra is a requirement for graduation.

## Possible Career Objectives for the Student with Mathematics Training

|                     |                   |
|---------------------|-------------------|
| Accountant          | Controller        |
| Actuary             | Economist         |
| Appraiser           | Engineer          |
| Assessor            | Financial Analyst |
| Auditor             | Mathematician     |
| Banker              | Physicist         |
| Budget Analyst      | Statistician      |
| Business Manager    | Stock Broker      |
| Computer Programmer | Systems Analyst   |
| Computer Scientist  | Teacher           |

## **ALGEBRA 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better to move to each subsequent course

This is a two-semester Algebra 1 course. Students study integers, rational numbers, equations, inequalities, exponents, polynomials, factoring, graphs, linear equations, rational equations, radical equations, and quadratic equations.

## **ALGEBRA FOR SENIORS A/B**

Grade 12

Credits 10

The Senior Algebra course is an intensive two-semester course designed to address the needs of the senior who has been unable to complete a college preparatory algebra course. It will provide an opportunity for these seniors to meet the state's algebra graduation requirement by mastering skills in less comprehensive units than a college preparatory algebra course.

## **GEOMETRY 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Algebra C and a grade of "C" or better to move to each subsequent course

This mathematics course covers the basic concepts of two and three-dimensional Geometry. The course stresses inductive and deductive reasoning, formal logic, and proof. Number and algebraic concepts are used extensively throughout the course by exposure to problem-solving skills and processes. An understanding of postulates, theorems, and definitions will be interwoven through all strands of the course.

## **GEOMETRY 1 A/B (HONORS)**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "A" in Algebra C and teacher recommendation and a grade of "C" or better to move to each subsequent course

This course covers the topics in Geometry 1 A/B at an accelerated rate and in greater depth.

## **ALGEBRA 2 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Geometry 1B or Geometry C and a grade of "C" or better to move to each subsequent course

This course expands upon the concepts learned in Algebra and Geometry. Review of algebraic and geometric concepts is integrated throughout the course. Emphasis will be placed on abstract thinking skills, the function concept, and the algebraic solution of problems in various content areas. *You must take Trigonometry before moving on to Pre Calculus.*

## **ALGEBRA 2/TRIGONOMETRY A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Geometry 1B or Geometry C and a grade of "C" or better to move to each subsequent course

This course expands upon the concepts learned in Algebra and Geometry. Review of algebraic and geometric concepts is integrated throughout the course. Emphasis will be placed on abstract thinking skills, the function concept, and the algebraic solution of problems in various content areas. The following topics are covered in the trigonometry chapters: trigonometric ratios and functions, inverse function, equations, graphing, identities, and problem-solving using both right and non-right triangles.

## **ALGEBRA 2/TRIGONOMETRY A/B (HONORS)**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Geometry 1 Honors

This course covers the topics in Algebra 2/Trigonometry A/B at an accelerated rate and in greater depth.

## **TRIGONOMETRY**

Grades 10-12

Credits 5

UC Approved

Prerequisite: A grade of "C" or better in Algebra 2B

This one semester elective mathematics course is a comprehensive study of trigonometric functions with emphasis on application. Topics include circular functions and their graphs, polar coordinates, trigonometric identities and formulas, triangle trigonometry, Law of Sines and Law of Cosines.

## **ELEMENTARY STATISTICS – Survey of Stats**

Grades 10-12

Credits 5

UC Approved

Prerequisite: A grade of "C" or better in Algebra 2 A/B or Trigonometry and teacher recommendation

This one-semester elective mathematics course introduces students to statistics. Students will analyze and learn to use description statistics, probability, discrete probability, distributions and normal probability distributions.

## **PRE-CALCULUS A/B**

Grades 11-12

Credits 10

UC Approved

Prerequisite: A grade of "C" or better in Algebra 2/Trigonometry B or Algebra 2 A/B and Trigonometry and a grade of "C" or better to move to each subsequent course

This elective course expands on the concepts learned in Algebra 2 and Geometry. It emphasizes fields, sequences, series, vectors, analytic geometry, functions, complex numbers, polynomials, logarithms, trigonometry, matrices, solid geometry, graphing, limits, and derivatives.

## **PRE-CALCULUS A/B (HONORS)**

Grade 11-12

Credits 5/5

UC Approved

Prerequisite: A grade of "C" or better in Algebra 2/Trigonometry Honors and a grade of "C" or better to move to each subsequent course

This course covers the topics in Pre-Calculus A/B at an accelerated rate and in greater depth.

## **CALCULUS AB (AP)**

Grade 12

Credits 10

UC Approved

Prerequisite: A grade of “B” or above in Pre-Calculus or “C” or better in Pre Calculus Honors and teacher recommendation

This two-semester elective mathematics course covers polynomial functions, limits, differentiation, integration, exponential and logarithmic functions, inverse trigonometric functions, and analytic geometry. This course prepares students to take the Advanced Placement Calculus Examination for college credit.

## **CALCULUS BC (AP)**

Grade 12

Credits 10

UC Approved

Prerequisite: A grade of “B” or above in Pre-Calculus Honors and teacher recommendation

This two-semester elective mathematics course covers the topics in Calculus A/B at an accelerated rate as well as the topics of sequences and series, parametric and polar equations. This course prepares students to take the Advanced Placement Calculus Examination for college credit.

# PHYSICAL EDUCATION

Students should be aware that lifetime physical fitness activities are a critical component of the Physical Education curriculum. One-third of the students' class grade is based upon physical fitness participation.

## Possible Career Objectives for the Student with Physical Education Training

|                            |                            |
|----------------------------|----------------------------|
| Athletic Coach             | Referee                    |
| Athletic Equipment Handler | Resort Sports Coordinator  |
| League Manager             | Sporting Goods Salesperson |
| Physical Therapist         | Sports Doctor              |
| Physiologist               | Sports Journalist          |
| Professional Athlete       | Sports Psychologist        |
| Recreational Leader        | Sportscaster               |
| Recruiter                  | Teacher                    |

## GENERAL P.E. CHOICES

### **AEROBICS**

Grades 10-12

Credits 5-40

Students will develop an understanding and working knowledge of aerobic exercise routines including: warm-up, aerobic exercise, body toning and cool down. Developing the efficiency of the heart and lungs, burning more calories and controlling the percentage of body fat are the primary goals of the course. Participants will also learn the basics of strength training and nutrition.

### **P.E. 9 A/B**

Grade 9

Credits 5-10

This class prepares 9<sup>th</sup> grade students to pass the "California Physical Fitness test". Students will be exposed to a variety of units throughout the semester.

### **BODY CONDITIONING**

Grades 10-12

Credits 5-40

This course is designed for the student wishing to develop overall body strength and endurance. Principles of weight training, proper diet and nutrition, and basic anatomy will be taught.

## **TEAM SPORTS A/B**

Grade 10-12

Credits 5-40

Team Sports is a one-semester, general P.E. course. The major points of emphasis are developing a personal fitness plan, movement skills, and principles related to individual and dual activities, outdoor education, and analysis of movement. Student will develop an in-depth understanding in order to design a personal life-long activity plan. Participation will be in the following athletic activities: basketball, flag football, golf, soccer, and softball.

## **P.E. COURSES REQUIRING TRY-OUT OR INSTRUCTOR PERMISSION**

### **CHEERLEADING**

Grades 9-12

Credits 5-40

Prerequisite: Selection by a panel of judges in the spring of each school year

Members of the cheer squad will learn routines, organize rallies, and support athletic teams. Due to the time commitment required, members may not participate in another sport. Participation on the squad requires excellent health and stamina.

### **DANCE TEAM**

Grade 9-12

Credits 5-40

Prerequisite: Selection by a panel of judges

The dance team is a precision-oriented performance ensemble. Utilizing dance moves and original choreography, the team visually interprets selected musical repertoire. Participation in rehearsals and performance is mandatory and considered to be a part of the course requirements.

### **FLAGS AND BANNERS**

Grades 9-12

Credits 5-40

Prerequisite: Permission of the instructor

The team is a pageantry-oriented performance ensemble. This group visually interprets selected musical repertoire utilizing basic dance moves, original choreography, and traditional marching techniques, including use of props. The team performs both as an auxiliary unit of the marching band and as a separate unit. Participation in rehearsals and performances is mandatory and considered a part of the course requirements. UC Approved under the title, "Dance Production"

## **INTERSCHOLASTIC ATHLETIC TEAMS**

Grades 9-12

Credits 2.5-40

Prerequisite: Permission from the head coach

### **FALL/WINTER (FIRST) SEMESTER**

Fall teams include: cross country, football, girls golf, girls tennis, and girls volleyball

Winter teams include: soccer and basketball

### **SPRING (SECOND) SEMESTER**

Spring teams include: baseball, boys tennis, boys volleyball, boys golf, softball, swimming, and track and field

## **TENNIS – Advanced**

Grades 9-12

Credits 5-40

Prerequisite: Permission of instructor

Forehand, backhand, serve, volley, and net-play skills will be taught. Students learn strategy, scoring, and tournament play skills. Students must provide their own tennis rackets and tennis balls.

## **VOLLEYBALL – Advanced**

Grades 9-12

Credits 5-40

Prerequisite: Permission of instructor

Students will learn the fundamental rules and basic skills necessary to understand and play volleyball. In Advanced Volleyball, students will enhance their volleyball skills and engage in more competitive matches.

# PRACTICAL ARTS

Students will explore uses of technology in work-related situations and learn specific skills that can be used to go to work after high school, enter a trade school, or a technical program at a community college or university.

## **Possible Career Objectives for the Student with Business Training**

|                        |                          |
|------------------------|--------------------------|
| Accountant             | Financial Analyst        |
| Advertising Specialist | Hotel/Restaurant Manager |
| Auditor                | Insurance Claims Agent   |
| Banking and Finance    | Marketing Director       |
| Bookkeeper             | Office Manager           |
| Business Manager       | Real Estate Agent        |
| Business Teacher       | Secretary                |
| Computer Programmer    | Stock Broker             |
| Court Reporter         | Travel Agent             |

## **Possible Career Objectives for the Student with Hospitality Training**

|                                  |                      |
|----------------------------------|----------------------|
| Caterer                          | Food Product Tester  |
| Convention Coordinator           | Food Stylist         |
| Dietetic Technician              | Pastry Chef          |
| Event/Wedding Planner            | Personal Chef        |
| Food Inspector                   | Registered Dietitian |
| Food Journalist/Technical Writer | Sous/Executive Chef  |
| Food Product Developer           | Theme Park Director  |

## **Possible Career Objectives for the Student with Technology Training**

|                                       |                       |
|---------------------------------------|-----------------------|
| Animator                              | Graphics Technician   |
| Architect                             | Mechanic              |
| Automotive Technician                 | Mechanical Engineer   |
| Civil Engineer                        | Render Artist         |
| Computer-Assisted Drafting Technician | Set Design            |
| Computer Programmer                   | Structural Engineer   |
| Desk-top Publisher                    | Technical Illustrator |
| Electronic Technician                 | Television Technician |

## **Possible Career Objectives for the Student with Video Production Training**

|                      |                      |
|----------------------|----------------------|
| Actor                | Newscaster           |
| Broadcast Journalist | Producer             |
| Cameraman            | Production Assistant |
| Director             | Screenplay Writer    |
| Editor               | Sound Operator       |

## **CAREER EXPLORATION PROJECT (SENIOR PROJECT)**

Grade 12

Credits 5

### **This one-semester course is required for all senior students**

Seniors have a unique opportunity to demonstrate and apply twelve years of education; they become explorers, creators, risk takers, decision makers, independent learners, and leaders. All components of this project are linked to a topic of personal interest, which furthers a student's opportunity to explore career opportunities. The project will demonstrate a learning stretch on the part of the student. The project requires a minimum of 45 hours from the student in which they job shadow, volunteer in the community or learn a new skill. The student will identify and collaborate with a community mentor in the development of their project, which will help enable the students to make an informed future career choice.

## **STUDENT GOVERNMENT (ASSOCIATED STUDENT BODY - ASB)**

Grades 9-12

Credits 5-40

Prerequisite: Permission of instructor

Student Government is a required course for all students who are members of the ASB Executive Council. Course objectives deal with improving leadership skills, problem solving, publicity, community relations, business negotiations, parliamentary procedure, public speaking, budgeting and finance, communication, activities, and program evaluation.

## **BUSINESS**

### **BUSINESS LAW**

Grades 11-12

Credits 5

Business Law is personal law. Students will deal with business every day of their lives: Renting, making and keeping contracts, selling, securing a job, buying insurance, and borrowing money. This course will help students grasp the rights and responsibilities the law mandates for both business and individuals. Students will deal with real world topics such as computer law, ethical decision-making, law for families, law for students, white-collar crimes, environmental issues, international law and discrimination in the workplace.

### **INTRODUCTION TO BUSINESS**

Grades 9-12

Credits 5

This course is designed for the student with an interest in being an entrepreneur or managing a business. Both internal and external business topics will be discussed including marketing, advertising, finance, salesmanship, management, entrepreneurship, goods and services, taxes, economy, consumer rights, and working in today's business world.

## **MARKETING**

Grades 10-12

Credits 5

Prerequisite: For Marketing B, Marketing A with a grade of "B" or better

Marketing is the process of determining consumer needs and then directing products, ideas and services to meet those needs. This course is designed to prepare students for careers in marketing, management, business, and business ownership. This class is found in the Business Career Paths. The class incorporates marketing core concept foundations: Marketing, Business and Human Resource foundations, and the functions of marketing; selling, promotion, distribution, risk management, pricing, purchasing, marketing information management, product/service planning, financing, general merchandising standards, career awareness, leadership, and general employment skills. Leadership skills will be reinforced through participation in a national marketing organization, DECA. Students may elect to be involved with DECA at the local, district, state, and national levels. Students choosing to be members of DECA may have the opportunity to receive recognition, awards and scholarships.

## **HEALTH**

### **BEGINNING SPORTS MEDICINE A**

Grades 10-12

Credits 5

Prerequisite: Must be enrolled in or have completed Biology and Geometry

Beginning Sports Medicine A is a one-semester course and the first in a three-part program, designed for students who are interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine related fields. It is offered as a classroom and lab course to provide students with an avenue through which to explore these fields of study. This class focuses on the basic information and skills important in the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work, hands on application, and observation in the following areas: prevention, treatment and rehabilitation of sports injuries, taping and wrapping of injuries, first aid/CPR emergency programs and sports medicine careers.

### **BEGINNING SPORTS MEDICINE B**

Grades 10-12

Credits 5

Prerequisite: Completion of Beginning Sports Medicine A with a "B" or higher and approval of instructor

Beginning Sports Medicine B is one-semester course and the second in a three-part program, designed for students who are interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine related fields. It is offered as a classroom and lab course to provide students with an avenue through which to explore these fields of study. This class focuses on the basic information and skills important in the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work, hands on application, and observation in the following areas: prevention, treatment and rehabilitation of sports injuries, taping and wrapping of injuries. The class will emphasize specific body sections for anatomy, physiology of common injuries, along with specific taping of ankle, knee, hip, shoulder, elbow, hand, wrist and fingers.

## **ADVANCED SPORTS MEDICINE**

Grades 11-12

Credits 5-30

Prerequisites: Completion of Beginning Sports Medicine B with a “B” or higher and approval of instructor

Advanced Sports Medicine is a multi-semester course (up to six semesters) and the third in a three part program, designed for students who are interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine related fields. It is offered as a classroom and lab course to provide students with an avenue through which to explore these fields of study. This class focuses on the basic information and skills important in the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work, hands on application, and observation in the following areas: prevention, treatment and rehabilitation of sports injuries, taping and wrapping of injuries, first aid/CPR emergency programs and sports medicine careers. The class will provide three different skill levels. Each skill level should be completed in two semesters. As the students repeat the class, their own skill level should increase as the levels increase. The students are trained and then work with the sports teams in the area of athletic training as “student athletic trainers.” The class will emphasize critical thinking skills in specific injury management. While in the advanced class, the students will compete in Sports Medicine competitions throughout California and beyond.

## **HOSPITALITY**

### **CULINARY BASICS I**

Grades 9-12

Credits 5

Students learn how to function safely and efficiently in the kitchen through small group lab experiences. At the same time, students will learn the importance of nutrition and how it affects their health. Emphasis is placed on kitchen safety and sanitation, recipe skills and preparation methods, the nutrition guidelines, nutrients, food labeling, and healthy food choices. The class fulfills the practical arts requirement for graduation. A contribution of \$25 is appreciated for food and consumables.

### **CULINARY BASICS II**

Grades 9-12

Credits 5

Prerequisite: A grade of “B” or better in Culinary Basics I

This class builds on the concepts and skills learned in Culinary Basics I and is designed for students who would like to further develop their cooking skills or have an interest in the culinary arts. Emphasis is placed on a variety of cooking and baking methods, menu planning, meal presentation, and development of effective consumer skills.

A contribution of \$30 is appreciated for food and consumables.

### **ADVANCED CULINARY ARTS 3**

Grades 10 – 12

Credits 5

Prerequisite: A grade “B” or better in Culinary Basics I and Culinary Basics II and approval of instructor.

Advanced Culinary Arts 3 introduces students to a career in the culinary arts. Through hands-on lab experiences students learn about professional food safety and sanitation practices, basic knife skills, a variety of cooking and baking techniques as well as professional food service procedures within the hospitality industry. A contribution of \$30 is appreciated for food and consumables.

### **ADVANCED CULINARY ARTS 4**

Grades 10 – 12

Credits 5

Prerequisite: A grade “B” or better in Culinary Basics I, Culinary Basics II, Advanced Culinary Arts 3 (or ROP Introduction to Culinary Arts) and approval of instructor.

Advanced Culinary Arts 4 is designed for students who are interested in pursuing a career in the culinary arts. Through hands-on lab experiences, students will learn professional knife skills, work with a variety of food products, plan balanced menus, develop a knowledge of professional cooking and baking techniques and terminology, as well as an understanding of the purchasing and receiving process. Students will be prepared to take the food handlers certification exam. A contribution of \$30 is appreciated for food and consumables.

### **INTRODUCTION TO HOSPITALITY A**

Grades 11-12

Credits 5

Prerequisite: A grade of “B” or better in Culinary Basics 1

This one-semester advanced course will focus on the key aspects of the Food Service industry. The course will include in-depth, hands-on experiences that emphasize industry awareness, sanitation and safe food handling, food and beverage production and service, nutrition, food service management, and customer service. A contribution of \$25 is appreciated.

### **INTRODUCTION TO HOSPITALITY B**

Grades 11-12

Credits 5

Prerequisite: A grade of “B” or better in Intro. to Hospitality A

This one-semester advanced course integrates various facets of the hospitality industry: lodging, travel and tourism; event planning; theme parks, attractions, and exhibitions; and recreation. The course will focus on specific industry segments, including industry awareness; organizational management; customer service; sales and marketing; facilities management; lodging; travel destinations; and reservations, ticketing, and itineraries. A contribution of \$25 is appreciated.

### **LIFE MANAGEMENT**

Grade 11-12

Credits 5

Students interested in a class that will help them achieve a happy, successful future should consider taking this course. This is a one-semester course offered for juniors and seniors who sincerely wish to become more positive and more motivated individuals. The class will deal

with topics including the following: eliminating bad habits and acquiring good ones, improving relationships with others, setting and achieving goals, gaining self-confidence, and learning to communicate more effectively.

## **TECHNOLOGY**

### **AUTO IA/B**

Grades 9-12

Credits 5/5

Prerequisite: Must have completed Auto 1A before taking Auto 1B

An introductory course, consisting of classroom and shop experiences in which the student will learn to identify, locate and describe the operation of components comprising the engine, power train, brakes, frame and suspension, and accessories. Minor repairs and preventive maintenance may be performed by the student through the proper use of tools and equipment in accordance with proper safety practices. Much of the shop experience will come from working on students own vehicles, so it is recommended that you either have a car or have access to one for practical experience. Auto 1A will be approximately 50/50, shop/classroom. Auto 1B will be approximately 60/40 shop/classroom. A contribution of \$15 is appreciated for 1A and \$20 is appreciated for 1B.

### **COMPUTER APPLICATIONS A (MICROSOFT OFFICE)**

Grades 9-12

Credits 5

Computer Applications A is a course designed to help develop the fundamentals of MS Office 2003 using Windows XP as the operating system. MS Office 2003 consists of the applications using Word, Excel, and PowerPoint. It will acquaint you with the proper way to solve word-processing problems and illustrate practical applications and presentations. This is an individualized and a team-based program. Computer Applications A is a class which prepares the student for the Microsoft Office Specialist basic exam.

### **COMPUTER ASSISTED DRAFTING A (CAD)**

Grades 9-12

Credits 5

Prerequisite: Completion of Algebra A or higher and Keyboarding 1A or type 20 words a minute  
This course provides a basic introduction into drafting and the AutoCAD system. Students are provided with information concerning basic drawings from the drafting industry. Introduction to hardware, software, configuration, and file information management specific to Windows-based AutoCAD will also be covered. Through the semester, students will learn hands-on, the majority of drawing and editing commands and procedures necessary to complete basic 2D working drawings. A contribution of \$5 is appreciated.

## **DRAFTING IB (Mechanical)**

Grades 9-12

Credits 5

Prerequisite: Grade "B" or better in CAD A

This course provides a background into mechanical, two-dimensional (orthographic projection) multi-view drawings of parts used in manufacturing, and more in-depth commands for the AutoCAD system. Through the semester, students will learn procedures necessary to complete basic 2D and isometric mechanical drawings, along with blocks, attributes and AutoCAD system variables for improved user efficiency. A contribution of \$10 is appreciated.

## **DRAFTING IIA (Architectural)**

Grades 10-12

Credits 5

Prerequisite: Grade "B" or better in CAD A and Drafting IB

This course provides background into architectural drafting and new, more in-depth commands for the AutoCAD system. Through the semester students will learn procedures necessary to complete basic 2D and isometric architectural drawings (floor, foundation, and electrical plans, door and window schedules, elevations, and pictorial representations), along with blocks, attributes and AutoCAD system variables for improved user efficiency. A contribution of \$10.00 is appreciated.

## **DRAFTING 2B (Advanced CAD)**

Grades 10-12

Credits 5

Prerequisite: Grade "B" or better in CAD A, Drafting IB and Drafting IIA

Students in this specialized course will pursue drawing techniques that are currently used in industry and will expand on special individual interests developed in Drafting IB and Drafting IIA. Students will develop their drawings in a three dimensional platform. A contribution of \$10.00 is appreciated.

## **GRAPHIC ARTS 1 A/B**

Grades 9-12

Credits 5/5

This course allows students to experience careers associated with the printing industry. It provides hands-on training in operating various equipment and technology. Although the focus of the course is production, students will also learn basic operation of Adobe InDesign CS2 (layout), basic operation of Adobe Illustrator CS2 (design), Adobe PhotoShop CS2 (color theory), terminology of graphic communication, desktop publishing, scanner use, prepress, cutting, design, bindery operations and silkscreen. Students will create several logos, symbols, illustrations, business cards and notepads to take home! A contribution of \$15 is appreciated for necessary materials.

## **GRAPHIC ARTS 2A (SILKSCREEN)**

Grades 9-12

Credits 5/5

Prerequisite: Grade 11 or 12 OR Completion of Graphic Arts 1A or Graphic Design 1A

Graphic Arts 2 teaches students to communicate visually using screen print techniques. Students will learn to use computer software (Adobe Illustrator CS3) to create unique and expressional

art/designs. Students will be learning the processes involving elements and principles of design while developing an understanding of graphic communication. Through silkscreen, students will gain hands-on experience with art as communication and expression. A contribution of \$25 is appreciated for necessary silkscreen materials.

## **GRAPHIC ARTS 2B (SILKSCREEN)**

Grades 9-12

Credits 5/5

Prerequisite: Completion of Graphic Arts 2A with a B or better.

As a continuation course, students will learn to better their skills and understanding through advanced techniques and use of equipment associated with silkscreen. Within each project, students will experience different processes of creativity and design while developing their ideas into a valued product through the silkscreen process. Instruction will focus on proper techniques of design principles and enhanced through silkscreen techniques that are used in today's business operations. A contribution of \$25 is appreciated for necessary silkscreen materials.

## **GRAPHIC DESIGN 1A/B**

Grades 9-12

Credits 5/5

UC Approved--For "f" area only

This course helps prepare students in careers associated with communication, advertising, and graphic design. Students learn basic functions of Adobe Illustrator, Photoshop, Flash and InDesign. In section 1A, subject material is based on learning industry software and elements and principles of design. In section 1B, lessons stimulate creativity through a variety of assignments requiring learned artistic skill. Students learn and create designs for skateboards, packaging, posters, cd cases, etc. In both sections, a final portfolio is created by the student that effectively communicates his/her work through a finished multimedia product. A contribution of \$15 is appreciated.

## **TV PRODUCTION-NEWS**

Grades 9-12

Credits 5-40

Prerequisite: Completion of Video Production 1A with a "B" or better or permission from instructor

This course will provide students with the skills and technical abilities in order to run a studio in a live news broadcast environment. Emphasis will be placed upon students running a live broadcast every morning and being able to communicate, organize, and work equipment effectively during the live broadcast. A \$20 course donation is requested.

## **VIDEO PRODUCTION 1A**

Grades 9-12

Credits 5

UC Approved-For "f" area

This course provides a basic understanding of all the aspects of the film and television industry as well as learning how to produce videos. Students will be trained in the use of cameras, editing equipment, script writing, story boarding, and how to do voice-overs. Students will learn the basic steps involved in producing their own videos as they use the equipment to produce

commercials, public service announcement, movies, and music videos. A \$20 course donation is requested.

## **VIDEO PRODUCTION 1B**

Grades 9-12

Credits 5

UC Approved-For "f" area

Prerequisite: Completion of Video 1A with a "B" or better

Students will learn the more advanced techniques of video production in preparation for a career placement. Students will be instructed in the use of high definition cameras, green-screen effects, and lighting. Students will work with small groups to enhance their skills in producing larger scale videos. Part of this class will be dedicated to making small feature stories to enter into various film festivals. A \$20 course donation is requested.

## **VIDEO PRODUCTION 2A/B**

Grades 10-12

Credits 5/5

Prerequisite: Completion of Video 1B with a "B" or better and permission from instructor

Video Production 2 A/B is a hands-on course for the moviemaker. This course will improve skills learned in Video 1 A/B and include new skills needed in producing larger scale video productions. A \$20 course donation is requested.

## **VOCATIONAL AUTO A/B**

Grades 11-12

Credits 10/10

Prerequisite: Grade of "B" or better in Auto 1B or permission of instructor

A vocationally oriented course for advanced students in automotive mechanics. Classroom and shop experiences will include training in all phases of automotive maintenance and repair work. These students will spend about 90% of their time in the shop working on individual and group projects. They are to provide their own projects. Students should have a vehicle to work on daily, or a long-term project (such as engine overhaul). A contribution of \$25 is appreciated.

# SCIENCE

Two years of laboratory science are required for high school graduation. The two years must include course work in life science and physical science. Science courses are designed to provide laboratory experiences in the methods of science and to develop an understanding of the biological and physical world. The student develops an understanding and appreciation of the influence of science on modern society. Through laboratory experience, skills in the use of scientific equipment are developed. Through investigation, data are collected to allow interpretation of natural phenomena.

## Possible Career Objectives for the Student with Science Training

|                     |                        |                     |
|---------------------|------------------------|---------------------|
| Aerospace Engineer  | Dentist                | Medical Researcher  |
| Architect           | Doctor                 | Mechanical Engineer |
| Astronaut           | Ecologist              | Molecular Biologist |
| Astronomer          | Electrical Engineer    | Nuclear Scientist   |
| Biochemist          | Environmental Engineer | Nurse               |
| Biologist           | Forester/Park Ranger   | Physicist           |
| Biomedical Engineer | Game Warden            | Physical Therapist  |
| Botanist            | Geologist              | Pharmacist          |
| Chemical Engineer   | Industrial Engineer    | Paramedic           |
| Chemist             | Laboratory Technician  | Teacher             |
| Computer Designer   | Materials Scientist    | Veterinarian        |
| Computer Scientist  | Medical Technician     | Zoologist           |

## **ENVIRONMENTAL SCIENCE (AP)**

Grades 11-12

Credits 10

UC Approved

Prerequisites: Biology with a “B” or better and chemistry with a “C” or better

Advanced Placement Environmental Science is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course is an excellent option for any interested student who has completed two years of high school laboratory science –one year of life science and one year of physical science (for example, a year of biology and a year of chemistry). Due to the quantitative analysis that is required in the course, students should also have taken at least one year of algebra. Also desirable, but not necessary, is a course in earth science. Because of the prerequisites, AP Environmental Science will usually be taken in either the junior or senior year.

# **LIFE SCIENCES**

## **BIOLOGY 1 A/B**

Grades 9-12

Credits 5/5

UC Approved

Prerequisite: Recommendation of a previous science teacher. It is advisable that students have earned an “A” in their previous science class.

Biology 1 is a rigorous one-year course that is designed to prepare students to enter the University of California or equivalent university upon graduation from Valencia High School. Homework is a very important part of the course allowing students to apply the concepts they are learning. The course curriculum covers the State of California’s content standards for biology for which every student will be tested. Therefore, the pace of the course is fast and demanding allowing students to learn cell biology, genetics, evolution, ecology and human anatomy, and physiology.

## **BIOLOGY 1 A/B (HONORS)**

Grades 9

Credits 5/5

UC Approved

Prerequisite: Students must have earned an “A” in their previous science class. Concurrent enrollment in Honors Geometry or a higher-level math is also required.

This course will cover all aspects of regular biology with the additional depth and acceleration to accommodate material that prepares the student for AP Biology or college biology. There will be emphasis on scientific investigation, cell biology, genetics, ecology, evolution, and human physiology. This course is designed with lecture, labs, research papers and projects. Students with serious motivation to succeed at a high-level science course should be encouraged to take this course.

## **BIOLOGY A/B (AP)**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Completion of Biology 1B with an “A” or better or completion of Honors Biology with a “B” or better

Advanced Placement Biology is a one-year college course, which is designed to prepare students to take the AP Biology exam given nationwide each May by the College Board. Students may earn college credit if they pass the exam. Topics covered in the course include molecules, cells, genetics, evolution, organisms, and populations. Twelve multi-part labs complement the course material and include experiments on diffusion and osmosis, enzyme, catalysis, mitosis and meiosis, photosynthesis, cell respiration, molecular biology, genetics of drosophilae (fruit flies), population studies, transpiration, circulatory physiology, and primary productivity in aquatic systems. AP Biology is an intense course and demands much additional time from the student, so students must be prepared to devote many extra hours of home study and school time to succeed in this course. After school study sessions are also held periodically during the year. Students are required to complete a summer assignment before beginning this course.

## **BIOLOGY 2 A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisite: Completion of Earth Science 2A/B

Biology 2 is a less rigorous course than Biology 1. Biology 2 uses the same textbook as Biology 1 but completes about 65% of Biology 1 course content. It provides the student with the basic concepts in biological sciences and allows students to learn cell biology, genetics, evolution, and human biology in meeting the State of California's content standards in biology as evidenced by passing the STAR exam in biology.

## **HUMAN ANATOMY AND PHYSIOLOGY A/B (HONORS)**

Grades 11-12

Credits 5/5

UC Approved

Prerequisite: Completion of two years of high school science and a "B" or better in Biology or "A" in Biology 2 with a teacher recommendation.

Human Anatomy and Physiology is a two-semester course that will cover the basic structure and functions of the human body. The student will understand the organization of the body by studying the structure and function of cells, tissues, organs and organ systems. The student will also become familiar with the skeletal, muscular, integumentary, circulatory, respiratory, digestive, excretory, nervous, immune, endocrine and reproductive systems. This course is well suited for the student who has an interest in pursuing a career in the health related fields. There will be numerous hands on activities, labs, experiments and dissections. Also, diseases, medical tests, and health care career information will be included in the curriculum.

## **MARINE STUDIES B**

Grades 10-12

Credits 5

UC Approved if student takes both Marine Studies A/B; otherwise UC Approved-Area "g" Only

Prerequisite: A grade of "C" or better in Marine Studies A

This is the second semester of a one-year course designed to introduce students to the study of the ocean and the life within it. Students will study the organisms that make the ocean their home. They will learn to recognize the key characteristics of all living things in the ocean from algae to whales. Students will participate in field studies, dissections, and discussions. In addition, some time will be spent discussing the importance of the ocean in the world ecosystem, what dangers threaten the ocean and how the future will be affected. This course will satisfy one semester of the graduation requirement in life science.

## **MICROBIOLOGY (HONORS)**

Grades 10-12

Credits: 5

UC Approved

Prerequisite: Completion of Biology with a grade of "B" or better

Microbiology is a one-semester elective laboratory course offered in the fall semester for high ability students. This is a college level course using college textbooks. It is designed to meet the needs of students who may be thinking about careers in the biomedical fields and is part of our

Medical and Fitness Foundations Career Paths. Most students will also want to take a complementary course in molecular genetics that follows this course in the spring semester. The course reviews the study of bacteria and how it affects every part of our lives; morphology of bacteria; growth cycles; spores; cysts; aerobic and anaerobic bacteria; seventeen labs dealing with morphology, gram stain, negative staining, starch hydrolysis, gelatin liquefaction, carbohydrate utilization, killing effects of ultra violet radiation; consumer bacteria, foods and dairy; bacteria and disease; disinfections and sterilization; experiments with Millipore technique for filtration and culturing bacteria; identification of water contamination by coliform indicators. Extensive use of the research microscope will be employed and a general understanding of microscopy will be applied to the students' laboratory skills. Microbiology Honors also includes a two-week laboratory research project at the end of the course that involves the identification of two unknown bacteria. Students will apply all that they have learned in the laboratory to a practical, performance based research project.

## **MOLECULAR GENETICS (HONORS)**

Grades 10-12

Credits: 5

UC Approved

Prerequisite: Completion of Biology with a grade of "B" or better

Molecular Genetics is a one-semester elective laboratory course offered during the spring semester for high ability students. This is a college level course using college textbooks. It is designed to meet the needs of students who may be thinking about careers in the biomedical fields and is part of our Medical and Fitness Foundations Career Paths. It is helpful if students have had microbiology in the fall but is not required. Students will use current technology to manipulate pure DNA in bacteria. Bacteria and specifically *Escherichia coli* is the primary organism used in this research. Students will review the structure and function of DNA and RNA and the historical development of our knowledge of the master molecules of life. They will learn about the tools of the genetic engineer: restriction enzymes, ligases, reverse transcriptase, probes, primers, PCR and electrophoresis gels. The Human Genome Project will be discussed: the DNA sequencing of every human gene. The practical application of recombinant DNA research will be studied in the cure and control of disease, improvement of food crops and the RFLP and PCR analysis of suspect's DNA in criminal cases as well as the societal and ethical issues this technology generates. Students will learn how to extract DNA from cells and cut, recombine and insert DNA into cells and subsequently observe the expression of those genes in the cells. Students will insert a gene from a jellyfish that allows it to glow into *E. coli* cells and observe the expression of that gene in those cells as well as extracting the glowing protein.

Honors Molecular Genetics also includes the introduction and practice of the polymerase chain reaction (PCR) process that allows students to amplify their own DNA via a saline mouthwash or the extraction of mitochondria DNA from hair follicle cells. They will have their DNA sequenced at Cold Spring Harbor Laboratories and compare them with other class members, chimpanzees, Neanderthal man, and the Ice Man. Various computer interactions/simulations will be done and advanced graphing/data analysis and state-of-the-art lab work will be completed. PCR allows us to detect the presence of any known gene, thus it is very useful in forensics, medicine, and genetic counseling.

# **PHYSICAL SCIENCES**

## **EARTH SCIENCE A/B**

Grade 9-12

Credits 5/5

UC Approved-Area “g” only

This course will include the scientific process, properties of matter, minerals, rocks, landforms, maps, Landsat and Topex-Poseidon satellites, Sun-Earth-Moon system, earthquakes, volcanoes, plate tectonics, ocean motion, oceanography, our impact on the land, air and water, weathering, soil, land use and soil loss, gravity, glaciers, wind, fossils and dating techniques, earth history, atmosphere, ozone layer, weather, climates and climatic changes, the solar system, stars and extraterrestrial life.

## **ASTRONOMY**

Grades 11-12

Credits 5

UC Approved-Area “g” Only

Prerequisite: Completion of 9<sup>th</sup> and 10<sup>th</sup> grade science courses with a grade of “C” or better  
Astronomy is the study of the universe. This course is designed to assist students in gaining skills in astronomical observation, which will require limited fieldwork during night hours at home. Main instruction will be centered on general topics such as the Big Bang Theory, galaxies, black holes, stars, the sun, NASA explorations of the planets, the moon, comets and asteroids. Activities will include readings, lectures, class discussion, laboratories, computer simulation, and astronomical observation.

## **CHEMISTRY A/B**

Grade 10-12

Credits 5/5

UC Approved

Prerequisite: Completion of Biology with a grade of "C" or better and concurrent enrollment in Geometry or a more advanced mathematics course

Chemistry is a rigorous lab based course in the physical sciences. The class is appropriate for students who have made a definite commitment to attend a university, as the material is difficult and the work demanding. A major goal of the course is to help the student develop a sound method of problem solving through the basic activities of science. The course explores atomic theory, the nature and phases of matter, chemical periodicity, the mole concept, models of atoms, energy, rate and equilibrium characteristics of chemical reactions, acid-base behavior, oxidation-reduction, and chemical bonding in gases, liquids, and solids, organic and biochemistry.

## **CHEMISTRY A/B (HONORS)**

Grade 10-12

Credits 10

UC Approved

Prerequisite: Completion of Biology with a grade of "A" or better and/or instructor recommendation and concurrent enrollment in Geometry 1 or more advanced mathematics course.

## **MARINE STUDIES A**

Grades 10-12

Credits 5

UC Approved if student takes both Marine Studies A/B; otherwise UC Approved-Area “g” Only

Prerequisite: A grade of “C” or better in Biology A/B or a “B” or better in Biology 2 A/B

This is the first semester of a yearlong course devoted to the study of the ocean and the life within it. Students will learn about the ocean as an environment, how it formed and its physical properties. Topics will include plate tectonics, salinity, wind and waves. Students will participate in hands-on activities and field studies designed to give them a working knowledge of the physical properties of the ocean. This course will satisfy one semester of the graduation requirement in physical science.

## **MATERIALS SCIENCE A/B**

Grades 10-12

Credits 5/5

UC Approved

Material Science is concerned with the study of materials in our everyday lives. The course is separated into the categories of **Solids, Metals, Ceramics, Polymers, and Composites**. Each unit exposes the students to relevant equipment and projects that enable them to better understand materials. A key feature of Material Science is the ability to use materials to solve problems. Students learn that there are usually many possible solutions to a problem – some more practical and more economical than others. In a work environment, problem solving is a common skill. Material Science teaches students to solve problems, a characteristic that is prized by today’s employers.

## **METEOROLOGY-Weather and Climate**

Grades 11-12

Credits 5

UC Approved-Area “g” Only

Prerequisite: "C" or better in 9th and 10th grade science courses

Meteorology is the study of our atmosphere and weather. In this class students will study the origins and future of our most precious resource, the atmosphere. The course will examine earth's climate and weather. The course will take an in depth look into how we are affected by weather, how weather is predicted, and how we have altered it. Activities will include readings, lectures, class discussion, laboratories, weather observation and prediction through the use of the internet and onsite measurement devices.

## **PHYSICS A/B**

Grades 10-12

Credits 5/5

UC Approved

Prerequisites: Completion of Geometry with a grade of “B” or better.

Many scientists and engineers consider physics to be the most basic of all sciences. It includes the study of motion, forces, energy, heat, waves, light, electricity, and magnetism. Physics focuses on the development of models deeply rooted in scientific inquiry, in which mathematics is used to describe and predict natural phenomena and to express principles and theories.

## **PHYSICS B - A/B (AP)**

Grade 10-12

Credits 10

UC Approved

Prerequisites: Concurrent enrollment in or completion of Algebra 2

Physics is a one-year college course that is designed to prepare students to take the Advanced Placement Physics Exam given nationwide each May by the College Board. Students earn college credit if they pass the exam. AP Physics teaches the student how to think analytically and how to problem solve. Topics covered in the course include kinematics in three dimensions, vectors, force, momentum, Newton's Three Laws, gravity, circular motion, work & energy, equilibrium, Bernoulli's Equation, harmonic motion, waves, sound, thermodynamics, specific heat, gas laws, electric charge and fields, capacitance, electric potential, electric currents, Kirchoff's rules, Ohm's Law, Ampere's Law, Faraday's Law, AC Circuits, Maxwell's Equations, optics, and the wave nature of light. AP Physics is one of the most challenging classes offered in high school. Material is covered at an extraordinarily rapid pace. Consequently, there will be some after school study sessions as well as several Saturday sessions particularly before the exam. The student is expected to spend 30 to 60 minutes on Physics homework every night.

## **PHYSICS C – A/B (AP)**

Grade 10-12

Credits 10

UC Approved

Prerequisites: Completion of either a physics course or completion of a calculus course.

Advanced Placement Physics C is actually two different AP classes combined into one. The first semester is the study of mechanics, while the second is the study of electricity and magnetism (E&M). The course is designed to prepare the student to pass the AP exams given in May. The two exams (mechanics and E&M) are independent of each other. Mechanics topics covered include: Kinematics, Newton's laws of motion, Work, energy, power, systems of particles, linear momentum, rotation, oscillations and gravitation. E&M topics include: Electro statics, conductors, capacitors, dielectrics, electric circuits, magnetostatics, and electromagnetism. Material is covered at an extraordinarily rapid pace. Consequently, there will be some after school study sessions as well as several Saturday sessions particularly before the exam in May. Students are expected to spend 30 to 60 minutes on AP Physics homework every night.

# SOCIAL STUDIES

The social studies curriculum is designed to provide each student with the knowledge and skills necessary to meet the needs of a contemporary society. Information about the past and its relation to the present is essential if the individual today is to understand the nature and direction of society. Moreover, the problem-solving and decision-making activities that dominate society and the individual's life require that the student develop a wide range of critical thinking skills. The courses provided by the social studies department are structured to meet these objectives.

## **Possible Career Objectives for the Student with Social Studies Training**

Economist  
Explorer  
Geographer  
Historian  
Lawyer  
Librarian  
Newscaster

Politician or political analyst  
Psychologist  
Public Service Worker  
Social Worker  
Sociologist  
Teacher

## **AMERICAN GOVERNMENT**

Grade 12  
Credits 5  
UC Approved

This course studies the philosophy of government, with an emphasis on democracy and the government created by the United States. The course focuses on the operation of the American political system, including the Constitution, the three branches of government and the election process. The focus of this course is to develop an intelligent voter who is willing to actively participate in the political process of the United States.

## **AMERICAN GOVERNMENT (AP)**

Grade 12  
Credits 5  
UC Approved

Prerequisite: successful completion of summer assignment

This course provides a systematic study of the ideas, concepts, principles, traditions, and institutions of American Government. It helps students develop an understanding of the philosophical and historical roots of our contemporary political system. The Constitution and its application to current issues in domestic and world affairs will be stressed. This course is designed to enable qualified students to perform their best on the AP American Government exam. Since this one semester course is offered only in the spring semester, it will require the completion of winter reading assignments.

## **ECONOMICS**

Grade 12

Credits 5

UC Approved-Area “g” Only

This is a survey course that provides students with an overview of general economic theories and principles using the United States economic system as a model. Students will study, supply and demand, productivity, business organizations, financial institutions. This course is also available online.

## **ECONOMICS (HONORS)**

Grade 12

Credits 5

UC Approved-Area “g” Only

This course emphasizes the concepts of macro and microeconomics using the United States economic system as a model. Students will study the theories of important economists and develop an understanding of how they apply to the economic environment in our nation today. Students will also be presented an overview of classic economic theory. This course will require primary research and the use of critical thinking skills to prepare students for university level work.

## **EUROPEAN HISTORY A/B (AP)**

Grade 10

Credits 10

UC Approved

This challenging Advanced Placement course can be taken in place of, or in addition to, Modern Civilizations. Course content focuses on the analysis of primary source documentation, in addition to an in depth examination of European history from the Renaissance to the present. With emphasis on analytical and writing skills especially those that are critical to future college success. Advanced Placement European History is a demanding course and requires additional time, effort, and commitment from students. Students must be willing to devote extra hours of study to succeed in the class and on the AP European History exam given in May.

## **HUMAN GEOGRAPHY A/B (AP)**

Grades 9-12

Credits 10

UC Approved

The primary focus of this elective class is to develop geographic literacy and provide a college course in geography to high school students who are academically ready for this challenge. The topics covered are the nature and perspectives of geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. Understanding human geography and individual roles in the continuing saga of our patterns of land and resource use enlightens students to the world around them and their place in the global community. Advanced Placement Human Geography is a demanding course and requires additional time from students. Students must be prepared to devote extra hours of study to succeed in the class and on the AP Human Geography exam given in May.

## **MODERN CIVILIZATIONS A/B**

Grade 10

Credits 5/5

UC Approved

Modern Civilizations is a required course for graduation from high school. This course provides an in-depth study of the modern world. Students will examine major turning points in the shaping of the world from the late eighteenth century to the present. The class will review democratic development, the expansion of the west, and include a study of the Industrial Revolution, Imperialism and Colonialism, World War I, Totalitarianism, and World War II. The course will focus on the growing interdependence of peoples and cultures throughout the world by studying in depth the modern history and culture of Africa, Asia, and Latin America. The course will end with a discussion of current world issues.

## **U.S. HISTORY A/B**

Grade 11

Credits 5/5

UC Approved

This course presents the student with the causes and effects of events in American History in a chronological manner. The course focuses on the origins and development of American institutions, economy, and society and on the role this nation has played in world affairs. The basic values of the American way of life--individual rights, government by the consent of the governed, and equal opportunity--are presented in an academic manner. This course is also available online.

## **U.S. HISTORY A/B (AP)**

Grade 11

Credits 5/5

UC Approved

The AP Program in American History is designed to provide students with the analytic skills and factual knowledge necessary to critically discuss the main trends in American History. This two-semester course prepares students for the AP US History Exam and also for college courses by challenging them with material equivalent to that used in introductory college courses. It is a survey and workshop course utilizing a textbook including many supplementary readings in the form of documents, essays, or books on special themes. These readings provide the basis of factual evidence. In the classroom, the course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence from the readings clearly in essay format. This course is designed to enable qualified students to achieve to the best of their ability on the AP examination in American History. It is possible for students to earn college credits based on the individual college policy.

## **WORLD HISTORY A/B (AP)**

Grade 12

Credits 10

UC Approved

The Purpose of AP World History is to develop greater understanding of the evolution of global processes, contacts, and interactions within different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons across major societies ranging from 3000 B.C.E. to the present. This

class will rely on a mix of primary and secondary source materials, and will utilize historical writing, student project, presentations, and educational technology to achieve the afore-stated learning goals.

# **SPECIAL INTEREST COURSES**

## **ACADEMIC SEMINAR**

Grades 9-12

Credits 5-40

Prerequisite: Teacher approval

This course will expose students to various types of academic competition including: Mock Trial, Speech/Debate and Quiz Bowl competitions. The class meets on Tuesdays and Thursdays from 3:30 p.m. to 5:30 p.m. This class is designed for students who will participate in academic competition therefore competitions are mandatory. Self-confidence in public speaking will be enhanced throughout the course.

## **AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AF JROTC)**

Grades 9-12

Credits 5-40

Valencia High School hosts the AFJROTC program for students from West Ranch, Saugus, and Valencia High. The Junior ROTC program is a cadet leadership laboratory where cadets are able to earn ever-increasing levels of responsibility. All classes and activities are primarily run by a cadet chain of command with instructor assistance and oversight; leadership, discipline, citizenship, and academics are stressed. Students learn about military courtesies, customs, and command structures. All cadets have opportunities to participate in activities such as field trips to military bases, flights on military aircraft, military balls, and community service. Cadets wear the Air Force uniform during the school day once per week. Classes meet in the new ROTC classroom and office complex. All required uniforms and other items are provided to the cadet at no cost. Cadets can also elect to participate in the optional two-week Summer Leadership Encampment.

The ROTC program is the core of the Valencia High School Leadership Career Path. Possible career paths after high school include many options in the military, law enforcement, fire fighting, emergency services, and any other career where leadership is valued. Students incur no military obligation by participating in the JROTC program.

Science credit: Topics studied include science of flight, space exploration, orbital mechanics, history of flight and air power, weather, and flight physiology.

P.E. credit: Cadets may try out for teams: Color Guard, Drill Team, Sword Team, or Rifle Team. Teams compete in drill meets and parades, and perform at school and community functions.

## **AVID**

Grades 9-12

Credits 5-40

AVID 12 is UC Approved-For Area “g” Only.

Prerequisite: Teacher recommendation and interview

AVID is a middle school through high school program to prepare students with potential for success in rigorous secondary curriculum for four-year college eligibility. AVID is an academic, regularly scheduled elective program based on writing as a tool of learning, inquiry method, and collaborative grouping. The three main components of the program are academic instruction, tutorial support, and motivational activities.

## **HEALTH FOR LIVING**

Grades 10-12

Credits 5

This semester course is designed to enlighten students with facts and information concerning certain critical health issues. Topics such as tobacco, drug and alcohol abuse, physical fitness, nutrition, and sex education including sexually transmitted diseases will be covered in depth.

## **JOURNALISM**

Grades 9-12

Credits 5-30

UC Approved-Area “g” Only

Prerequisite: A "B" or better in English classes already completed; teacher recommendation, no D's or F's in any class, keyboarding recommended

Students will learn the skills involved in journalistic writing and be exposed to practice of print journalism. Passing this course will enable students to explore other options in the field of mass communications including, but not limited to, broadcast journalism, advertising, public relations, photography, and graphic design. Stories written by students in this class will appear in the school newspaper, the *Viking Vision*. Students may use this course to meet either their Fine Arts or Practical Arts graduation requirement. This course is the first in the Journalism/Mass Communications Career Path.

## **PEER COUNSELING 1**

Grades 11-12

Credits 5

Prerequisite: Permission of instructor

Peer Counseling 1 is a class designed to effectively help other students. Students will be trained in peer mediation and will assist the school in dealing with conflicts in peaceful and constructive ways.

## **PEER COUNSELING 2**

Grades 11-12

Credits 5

Prerequisite: Permission of instructor

Peer Counseling 2 is a class designed to train students to effectively help other students. Students will be taught listening and communication strategies that when utilized, will help others to make positive decisions in their lives.

## **PSYCHOLOGY (AP)**

Grades 11-12

Credits 10

UC Approved-Area “g” Only

This class is designed for those students who wish to experience a university-level introductory course. This course provides a broad introduction to the field of psychology. We will explore various areas within psychology, including biological, cognitive, developmental, social, personality and clinical psychology, and how these diverse areas can be integrated. We will also discuss the history of psychology as a science, the kinds of methodologies used in psychological research and the issue of scientific ethics as it applies to this research.

## **STUDENT SERVICE**

Grades 9-12

Credits 5-20

Prerequisite: Permission of the office supervisor and/or teacher involved

This course provides a practical work situation wherein students help in the school offices or assist individual faculty members. Reliable school attendance and a sense of responsibility are required. The report card mark at each grading period will be Pass or Fail rather than a letter grade. Students may enroll in this course no more than two semesters.

## **URBAN WORKSHOP**

Grades 11-12

Credits 5-10

Prerequisite: Grade point average of at least 2.0 - Junior or Senior only.

Urban Workshop allows students an opportunity for "real life" experiences within Valencia High School. Students must work for at least 90 hours during the semester under the direct supervision of a teacher or other qualified person, within the specific guidelines of Urban Workshop. This position is to be treated as a job; their attendance and attitude is vital to their performance. Urban Workshop credit may be obtained by performing school or community service, incorporating specific job/career skills that will enable the student to gain work experience and training. Students must do all work on campus, any work done off campus will not receive credit. Examples of acceptable work include:

- Tutoring at Valencia High School
- Tutoring during Intervention and Open Library
- Web Page production
- Athletic manager in a leadership role in charge of statistical data, equipment or video.
- Work in the Valencia H.S. office for attendance, health, counseling, ASB, or registrar.

## **WORK EXPERIENCE**

Grades 11-12

Credits 5-40

Prerequisite: Employment that guarantees ten work hours per week

This class covers topics important to know and understand about the work world. A few of the areas covered in the course include how to get and keep a job, job attitudes, labor laws, employee/employer relations and responsibilities, pay, payroll deductions and tax information, filling out the easy tax form, career interests and job visitation, resume writing, etc.

The student enrolled in Work Experience must have and maintain a C grade average and work at least 10 hours a week on a regular basis with a minimum of 150 hours per semester in order to earn 5 credits. The student must be 16 years old and may take 4 semesters of this class.

## **YEARBOOK**

Grades 9-12

Credits 5-30

Prerequisite: Permission of instructor

The main objective of this course is to produce a quality yearbook for the school. A one-year commitment is necessary to accurately record the entire school year. Excellent opportunities are available to develop specialized interests in photography, journalism, and visual arts.

# **REGIONAL OCCUPATIONAL PROGRAM**

The Regional Occupational Program (ROP) is a public educational service that provides practical hands-on job training and career guidance to students in the Santa Clarita Valley who are 16 years of age or older or enrolled in grade eleven or grade twelve. Courses provide students the opportunity to learn entry-level employment skills, prepare for career advancement by upgrading existing job skills, or prepare for advanced training programs offered at College of the Canyons. Students who successfully complete an ROP course can obtain high school credits toward graduation, job skills needed for full and part-time employment, and certificates of achievement with skills and competencies listed on the certificates. ROP courses are subject to change. See the Regional Occupational Program Specialist in the Counseling and Guidance Center for information.

## **ANIMAL CARE & SERVICES (Beginning)**

Credits: 10

Love animals but can't decide if you want to be a dog trainer or a veterinarian? This class offers students a chance to gain experience with many aspects of the animal field including veterinary medicine, production animals, animal training, animal handling, feeding, caging and cleaning. This course is designed to help students gauge what area of animal care they would like to pursue.

## **ANIMAL CARE & SERVICES (Advanced)**

Credits: 5

Prerequisite: A grade of "C" or higher in Beginning Animal Care & Services

This class continues where Beginning Animal Care leaves off with an emphasis on veterinary medicine. Integral to the curriculum are various field trips to premier animal facilities, some of which may include overnight stays or behind-the-scenes tours. This course is designed to prepare students to be veterinary assistants.

## **AUTOMOTIVE TECHNOLOGY**

Credits: 10 per semester

This course prepares students for entry-level positions in the auto repair industry. Students will examine various systems including ignition, fuel, emission, electrical, computer management, brakes, steering and suspension. Theory, proper diagnostics, troubleshooting and repair procedures will be covered utilizing lab and classroom instruction.

## **BANKING OCCUPATIONS**

Credits: 5 per semester

This course prepares students for entry-level positions in banking occupations. Students learn to identify and correctly process paying and receiving transactions in the banking industry. This course familiarizes students with general banking operations and the differences between banks and credit unions, while preparing students for an entry level position within a branch. On-the-job training at local banks is required.

## **CHILD CARE – Infant/Toddler Care**

Credits: 10 per semester

This course is designed to provide the students with training for an entry-level position in the field of Early Childhood Education with on-the-job training in local childcare facilities. Classroom topics include infant and toddler development, health, safety, guidance planning appropriate environments, and curriculum. After successfully completing the 180-hour semester program, students will have the necessary training to receive a Child Development Permit as an Assistant Teacher from the California Commission on Teacher Credentialing.

## **CHILD CARE – School Age Care**

Credits: 10 per semester

This course prepares students for entry-level employment in the field of Early Childhood Education and Childcare occupation. The program includes both classroom instruction and on-the-job training in local childcare facilities. After successfully completing the 180-hour semester program, students will have the necessary training to receive a Child Development Permit as an Assistant Teacher from the Calif. Commission on Teacher Credentialing. This course is designed to help students develop skills necessary for employment in a school age childcare program including after school care and recreation programs.

## **COMPUTER ANIMATION**

Credits: 5

This course includes an introduction to the techniques of freehand drawing and design visualization. Learn to use tools and skills used in the manipulation of two-dimensional materials and convert these into precise three-dimensional models of various forms of products and principles of form topology. Visual design and movement are applied in the creation of simple animated sequences.

## **COMPUTER ASSISTED DRAFTING (CAD)**

Credits: 5 per semester

Students are trained in all types of mechanical drawing techniques. This class covers the basics of technical drawing, including line work, geometrical construction, sectioning and auxiliary views, dimensioning, and tolerance. The class will also prepare students to enter the computer-aided drafting industry through resume building, interviewing skills, class projects, entry to mid-level program for solid modeling. Concept of modeling mechanical parts using SolidWorks while emphasizing drafting basics and drawing techniques is used. Students will work at their own pace with individual support from the instructor.

## **CONSTRUCTION TECHNOLOGY**

Credits: 5

Students learn principles and processes used in building construction. Focus is on concepts, practices, activities related to residential and commercial building construction, and carpentry. Course may be repeated for advanced training and prepares for work or community college and apprenticeship programs, and professional level baccalaureate degrees.

## **COSMETOLOGY**

Credits: 10 per semester

3.5 – 4 semester course

The course is 1600 clock hours in length. Approximately 335 hours (26%) of the course time is devoted to technical, which consists of various learning activities in a classroom situation. The balance of the course time is devoted to practical operations in which students develop and practice cosmetology skills under the supervision of licensed instructors in actual working conditions. Additional subjects include business management, inventory control, reception desk, retail practices, job hunting, career opportunities, and employee rights.

## **CULINARY ARTS**

Credits: 10

This course is designed to introduce students to the history, culture, philosophy, structure, organization, and opportunities in the hospitality field, especially as they relate to the food service industry. Students will learn all types of cooking methods & techniques, develop their knife skills, menu development, culinary math, and learn team work while cooking in groups.

## **DENTAL ASSISTANT**

Credits: 10 per semester

Two semesters (offered fall only)

This course prepares the student to provide basic patient care and doctor assistance in the dental office setting. This course includes classroom instruction, laboratory practice and clinical site training. Upon successful completion of the course, students will have earned a Dental Assisting Certificate and a State California Radiology License.

## **DESK TOP PUBLISHING/GRAPHIC DESIGN**

Credits: 5 per semester

An understanding of desktop publishing is a pathway to a multitude of careers: graphic design, web design, interior design, multi-media design, marketing and advertising. This course prepares students with the following: an understanding of the elements and principles of design, proficiency in using Adobe Creative Suite 3 software (Adobe Photoshop, Indesign, and Illustrator), how to prepare artwork for different mediums (print, web, large format, and silkscreen), and guidance on how to move forward in the graphic design and related career fields. A few projects: create your own advertising brand, clothing graphics line, and print an online design portfolio.

## **EMERGENCY MEDICAL RESPONDER**

Credits: 5 per semester

This course involves academic and hands-on training in Emergency Medical Responder skills and techniques and will prepare you for further education in the EMS field. With completion of this course you will be able to progress right into an EMT course that is offered by many

community colleges, without having to take the required pre-EMT class. The EMR course is exciting and involves strong self-discipline and you will be challenged academically.

## **ENTERTAINMENT/PERFORMANCE OCCUPATIONS**

Credits: 10 per semester

This very creative course introduces students to the entertainment industry with special emphasis on the performing aspect of the business: acting techniques, the audition process, improvisation, commercial auditions, pictures, resumes, etc. Students will get to work in front of the camera and under the lights, and are required to attend tapings of well-known television shows at major studios in the San Fernando Valley.

## **EXPLORING ENGINEERING TECHNOLOGY**

Credits: 5

Do you like to imagine new designs and devices, take things apart to see how they work, or are you interested in such topics as robotics, alternative energy vehicles, and rocketry? These are just some of the fields that will be explored in this course, along with designing and hands-on assembly of vehicles that will move from today into the future.

## **FASHION MERCHANDISING**

Credits: 5 per semester

Training is provided in sales, merchandising, fashion coordination, and personal grooming. Poise and modeling techniques are included. Unpaid on-the-job training opportunities are required at local retailers.

## **FIRE FIGHTING TECHNOLOGY**

Credits: 10 per semester

This career goal orientated Fire Tech Academy (FTA) course involves training in fire fighting skills and techniques. It involves strong self-discipline and you will be challenged both academically and physically. This course gives students (also known as cadets) an overview and prepares them for career opportunities in the fire fighting field. It provides education and the skills needed to successfully gain entry into state, county, or city fire explorer programs, college fire classes, or in state fire academies.

## **FLORISTRY (BEGINNING)**

Credits: 5 per semester

Learn skills to make attractive and professional floral arrangements for all occasions. Students learn the basics of commercial floral arranging, including corsages and decorations. Care of flowers is also covered. Students are introduced to business and commercial applications including inventory and shop management. A field trip to the Los Angeles Flower Mart is included.

## **FLORISTRY (ADVANCED)**

Credits: 5 per semester

Prerequisite: A grade of "C" or better in Beginning Floristry

Students learn intricate floral arranging, starting their own business, and job placement availability. Students can buy floral arrangement projects at cost. Field trip to the Los Angeles Flower mart is included.

## **FORENSICS (BEGINNING)**

Credits: 5 per semester

This course explores the evolution and role of forensics in criminal justice and scientific crime scene investigation. Emphasis is placed on identification and detection methods and the collection and gathering of evidence including the use of laboratory equipment and interpretation, methodologies for crime scene searches, best procedures for specific types of crime scenes, procedures used in conducting an autopsy, and reconstruction of a crime scene.

## **FORENSICS (ADVANCED)**

Credits: 5 per semester

Prerequisite: A grade of "C" or better in Beginning Forensics

This course is designed to give the students both theory and hands-on experience in the skills and knowledge required of a forensic crime scene investigator position working in law enforcement today. Included will be an introduction to crime scene investigations, crime scene photography, and diagrams as they are used in a criminal investigation. Also included are an understanding of dusting and lifting fingerprints, rolling a 10-print fingerprint card, performing a gunshot residue test, how to collect evidence, and the use of forensic light source technology.

## **FORESTRY BASICS & TRAIL CONSTRUCTION**

Credits: 10

Interested in pursuing a career where you get to work in the great outdoors? This course offers participants a great opportunity to explore an outdoor recreation career working with different land management agencies including the United States Forest Service, Pacific Crest Trails Association, and the Mountain Recreation Conservation Authority. Course includes weekly hands-on training in trail construction and maintenance, environmental stewardship, leave no trace ethics, wilderness navigation, land management practices, and much, much more! Students participate in paid, on-the-job training programs.

## **GRAPHIC ARTS/OFFSET LITHOGRAPHY**

Credits: 5

Take your imagination to the next level and learn to produce what you create. Students will be exposed to using computer graphics programs, such as Adobe Photoshop, Illustrator, and InDesign as they create and complete many useful projects. They will also learn how to prepare their assignments for commercial printing. They will have the opportunity to take their projects to press and learn how to run them. Students will also learn about bindery and other post-press processes. This class gives students a hands-on entry level glimpse into the field of graphic communications.

## **HEALTH CARE OCCUPATIONS (INTRODUCTION)**

Credits: 5 per semester

There is a multitude of exciting careers available and in-demand in the health care field today. Come learn the educational requirements and pay scales of various disciplines and see which occupation would be your best choice! You will learn basic anatomy and physiology, medical terminology, and infection control procedures. You will also learn ethical medical practices, HIPAA laws, OSHA, and practical skills such as taking vital signs and becoming CPR certified.

## **HOTEL/RESTAURANT OPERATIONS**

Credits: 10 per semester

Students receive on-site training in various aspects of hotel and restaurant operations, and then do their on-the-job training at a hotel or restaurant of their choice in the Santa Clarita Valley.

## **INTERIOR DESIGN**

Credits: 5 per semester

Two semesters

This course prepares students for entry-level positions in the field of interior design and related occupations. Students will gain and learn the fundamentals of interior design theory. Principles and elements of design will be taught along with color theory, space planning and drafting, fabrics, history of furniture, lighting, accessories, materials, and products. There are many field trips to such places as a cruise ship in Long Beach, the Getty Museum and Villa, furniture stores and designer showrooms, and Disneyland!

## **LAW ENFORCEMENT**

Credits: 5 per semester

This course is designed to give students a basic understanding of how the L.A. Sheriff's Department operates. The class includes a tour of a correctional facility and a ride-along with a deputy sheriff. Students learn about traffic laws and accident/criminal investigations.

## **LAW ACADEMY – Sheriff Explorer Academy**

Credits: 10 per semester

The Law Academy Sheriff Explorer class gives young adults the opportunity to see if law enforcement is a career choice for them. This is where they will learn and understand the law enforcement community, as well as the written and verbal communication skills needed for this career and everyday life. Students will have the opportunity to observe different bureaus in a department such as Special Weapons Enforcement, Aero, and patrol. After completing the 170 hours required, they are given the opportunity to take the Advanced Law Academy Sheriff Explorer class the following semester.

## **LAW ACADEMY (Advanced Explorer Academy)**

Credits: 10 per semester

**Prerequisite:** A grade of "C" or higher in the Beginning Law Academy Sheriff Explorer

The Advanced Law Academy Sheriff Explorer class is a vocational class that gives young adults the opportunity to implement the skills learned in the Beginning Law Academy Sheriff Explorer class. They will have the opportunity to assist sworn law enforcement personnel with the skills learned. They will also become familiar with the preparation for the testing process of becoming a sworn law enforcement officer.

## **MEDICAL OFFICE**

Credits: 5 per semester

Students learn how to communicate with patients, doctors and other health care professionals. Students will learn basic anatomy and physiology, diseases, medical terminology, HIPAA laws, and OSHA. Students will gain an overall understanding of medical insurance billing and how to use the CPT and ICD-9 code books. Clinically, students will be able to perform vital signs and be CPR and first aid certified. Scrubs are required and purchasing your own stethoscope is highly recommended. There will be a small fee for CPR certification.

## **NURSE ASSISTANT**

Credits: 10 per semester (may count for science credit)

Students practice techniques of infection control, take and record vital signs, and recognize psychosocial needs. Clinical internship provides students the opportunity to assist patients with basic personal needs such as bathing, dressing, feeding, and ambulation. Students successfully completing this course may be eligible to meet requirements to take the written and performance examination for the State Certification as a Certified Nurse Assistant.

## **PHARMACY ASSISTANT**

Credits: 5 per semester

Students become familiar with prescription drugs and why they are used. They learn how to read physician handwriting and codes to interpret prescriptions and produce labels for patients. They use math skills to calculate dosages and become familiar with insurance billing and procedures. They also learn basic anatomy, common diseases, medical terminology, and drug treatments, and gain knowledge and skills to get a job in a pharmacy! On-the-job training is available for exceptional students at local retail pharmacies! Instruction includes lecture, group activities, lab exercises, videos, role-plays, field trips, and fun review sessions.

## **PHOTOGRAPHY, COMMERCIAL**

Credits: 5

This course is intended to give students a comprehensive experience in the various areas of photography. General training in conventional field and darkroom work are the basis for much of the work. Project work will cover action, studio, lighting and portraiture, mounting and presentation of work, close up and nature photography, as well as specific techniques used in areas such as wedding and automotive photography. Lecture material will include the use of light meters, lens filters, depth of field techniques and composition, as well as advantages of digital photography in the work place. This course meets the A-G requirements for the Fine Arts as required by the UC/CSU (if taken for two semesters).

## **PHOTOGRAPHY, DIGITAL**

Credits: 5 per semester

This course in digital photography is intended to introduce students to practical and modern techniques in the field of photography. This course will emphasize the use of digital cameras & the use of the computer to produce images that historically have been produced using film, film cameras, traditional developing, and print processing.

## **PHYSICAL THERAPY ASSISTANT**

Credits: 5 per semester

One semester

Learn more about the body and how it works, especially as it relates to the musculoskeletal system. Learn about the various treatment procedures used to aid patients in their recovery after an injury. Learn the proper use of ice and heat, electrical stimulation, ultrasound, and spray-and-stretch techniques. Get hands on experience learning techniques including myofascial (therapeutic) massage specifically aimed at restoring greater function to an individual. Learn various taping procedures for sprains and strains and become proficient in range of motion testing and doing posture evaluations. If you are interested in the health field this course is highly recommended.

## **PLUMBING**

Credits: 5

An instructional program that prepares individuals to assemble, install, and repair pipes, fittings, and fixtures of heating, water, and drainage systems according to specifications and plumbing codes. This course is a helpful means for future employment in the plumbing industry.

## **RETAILING**

Credits: 10 per semester

Earn credit and be rewarded for working while in school. Learn what it takes to keep your job and earn that promotion. Students have a job in retail sales working at a store to enroll. Guest speakers, fun projects, job seeking skills, and field trips are included.

## **SILK SCREEN PRINTING**

Credits: 5 per semester

Have you ever wanted to design and produce your own clothing? In this class, students will be exposed to using computer graphics programs, such as Adobe Photoshop, Illustrator, and InDesign to create artwork in preparation for screen printing. Students will then print their creations onto a variety of materials (T-shirts, sweatshirts, pants, patches, etc.) Students will learn the entry level skills needed to start a career in screen printing.

## **TELEVISION BROADCAST JOURNALISM**

Credits: 5 per semester

This class makes a weekly television program called Hart District T.V. which is shown all over the Santa Clarita Valley every Saturday night. The program focuses on events that involve our young people, both on our campuses and throughout the city. Students serve as on-air hosts, writers, technicians, and camera operators. If you think you might be interested in a career making television programs, then this is the class for you.

## **TRAVEL OCCUPATIONS**

Credits: 5 per semester

Did you watch the Olympics and wonder about a visit to China? Do you read the Sunday travel section and imagine yourself in a far away place, or a beach in Maui? Well now is your chance to explore the world near and far, learn about the history, music, food, language and people that make up this fascinating place called planet earth. We also learn sales techniques and how the airlines, cruise lines, tour operators, hotels, car rentals, railroads, and more do business. Students learn airline ticketing procedures, tours, cruises, computer training, sales, and customer service. Skills for job interviews are given.

## **VIRTUAL ENTERPRISE**

Credits: 5

Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. The students determine the nature of their business, products and services, management and structure, and learn the daily operations of a business under the guidance of a consultant with the support of real business partners. Emphasis will be placed on the use of current business software including Macintosh graphics and business software packages, and the internet for business transactions, marketing, sales and promotion.

## **WILDLAND FIREFIGHTER**

Credits: 5 per semester (Offered spring semester only)

Wildland fire gives students an overview of professional wildland fire fighting and preparation for employment as a federal wildland firefighter and Department of Forestry employee. Students participate in hands-on training sessions with an assortment of wildland fire fighting equipment. Emphasis is placed on wildland fires, safety, equipment, and control.

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