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## GUIDANCE PROGRAM

### ACADEMIC COUNSELING

High School Planning and Implementation

Each new student will develop an educational learning/career plan with the help of the counselor and the cooperation of his/her parent

Assist students with their post high school plans and decisions and advise them of options available

Registration

Registration and orientation of new students

Annual Registration (individual appointments and/or group conferences)

8<sup>th</sup> grade parent/student orientation

Communication with Parents

Newsletter

Web page

Phone contacts

Parent/Teacher conferences

Grade checks as requested—progress reports

Letters of recommendation for employment, college entrance, and scholarships

Grad checks

Graduation status letters

IEP – Individual Education Plan/Special Education

ILP – Individual Learning Plan

SST – Student Study Team (at risk students)

K-16 Bridge – see page 8

### CAREER COUNSELING

Post-High School Planning

Help students develop an awareness of career opportunities through vocational information and planning

Develop awareness of the student's interests, abilities, and aptitudes

Help students learn the sources and types of financial aid beyond high school

Provide scholarship applications and information for seniors

Provide a Financial Aid Night

Provide a College/Career Education Day

Provide articulation with colleges and universities: (VVC, UCR, CSUSB, Private/Independent)

### PERSONAL COUNSELING

#### **Personal Assistance and Academic Achievement Support**

Students will be encouraged to seek counselor assistance to further interpret and clarify topics covered in the guidance program

Counseling by student request

Personal/social problems

Class/school problems

Drugs and alcohol-related problems

Crisis response

Referral to outside agencies

### ACADEMIC/CAREER ASSESSMENTS

STAR – Standardized Testing and Reporting Program (CST/CMA/CAPA/STS)

CAHSEE – California High School Exit Exam

CHSPE - California High School Proficiency Exam

GED – General Education Diploma

Inform students of the PSAT, PLAN, SAT I, SAT II and ACT

VVC Assessment

ASVAB - Armed Services Vocational Aptitude Battery

Advanced Placement Tests

Eureka – career assessment

CELDT – English language learner proficiency test

EAP – Early Assessment Program for college readiness

## COLLEGE/CAREER CENTER

The **Career Center** is an integral part of the ongoing guidance program. It offers the following for students, staff and parents:

- Computerized Guidance Information Systems offering career interest inventories, college searches, occupational information, and scholarship information.
- Information about various colleges and vocational schools throughout the United States on computer and in reference books.
- College applications for the schools in the UC system and California State system.
- Scholarship applications.
- Federal and State financial aid forms.
- Career interest inventories to identify student interests and goals.
- Ongoing speaker program with representatives from colleges, universities, vocational and technical schools, and military service.
- Workshop on filling out applications for the California public college systems.
- Workshops offering information and assistance with financial aid forms.
- Information and registration materials for college admission tests (PSAT, PLAN, SAT I, SAT II, ACT).
- ASVAB testing for interested students and follow-up presentations to discuss results.
- Videos and reference materials (books, guides, catalogs, briefs) on numerous topics for individual and group use.
- Regional Occupational Program (ROP) information.
- Advertisement in the bulletin for scholarships available and on file.
- Computers for school related use.
- Sign-ups for college visitations.
- CSU, UC and VVC representatives for Early Outreach, transcript, evaluation, and college applications.

## FOREIGN EXCHANGE STUDENTS

Hesperia Unified School District is happy to accept students age 16-18 from all over the world onto its campuses. These students bring new perspective and a wealth of cultural history to our students. In order for all foreign exchange students to have a successful experience and to adapt as easily as possible to our Southern California way of life, the following requirements must be met prior to their arrival:

1. Be sponsored by a recognized organization that provides insurance, emergency assistance, and carefully screens host families.
2. Sponsoring organization must contact Hesperia Unified School District's Instructional Services Division to obtain admittance information by June 1 of the previous school term.
3. Exchange students must show proficiency in the English Language by having completed the Secondary Level of English Proficiency test (SLEP, TOEFL, or any appropriate measure of English Language proficiency) with a minimum scale score of 55, or 81%, or evidence of language proficiency demonstrated to the satisfaction of the District. Organizations making application to the District must submit a copy of the test with evaluation sheet as part of the application information. An oral interview with the student is required prior to the first day of school to verify English proficiency.
4. Proper identification is required from the student, host, and sponsoring agency at the time of registration.
5. All students will be enrolled as seniors and classes will be assigned by the counselor appropriate to the usual grade level.
6. Duration of stay is one (1) school year.
7. Exchange students will either receive a regular high school diploma or a certificate of attendance from Hesperia Unified School District during the graduation ceremony.

Hesperia Unified School District will accept only as many exchange students as the attendance profile of each site will allow.

## TESTING

### ***Advanced Placement Examinations***

Students are required to pay for any Advanced Placement Exam they wish to take. School sites will offer Advanced Placement Exams in a variety of courses at the lowest possible rate. College Board fee reductions will be pursued for any student with a demonstrated financial need. Students with further financial need may receive additional monetary support from philanthropic organizations who volunteer to assist those students who are unable to pay for the exam. Information on AP can be found at [www.collegeboard.com](http://www.collegeboard.com).

### ***Armed Services Vocational Aptitude Battery (ASVAB)***

Each fall this test is offered to juniors and seniors. It is administered in a group setting by recruiting personnel from all branches of the armed services. The test is free to students. Results of the test are returned to students and these reveal the following information:

- Interests of students concerning various careers.
- Aptitudes of students concerning various careers.

Students who desire a military career can also find out if they have met minimum aptitude levels via these test results.

### ***California High School Proficiency Exam (CHSPE)***

This high school proficiency exam is available for those students who believe they are proficient in the basic skills. The State Board of Education awards all students who earn a "Pass" on this exam with a Certificate of Proficiency, which is equivalent by law to a high school diploma. There is a fee, which is currently \$50. Requirements do prevail in terms of registering for taking this test.

A student may take CHSPE if, on testing day, he/she:

- is 16 or older, and
- has completed at least one academic year of the tenth grade or
- is enrolled in the second semester of tenth grade (mid-term students can take CHSPE the summer after their first semester).

There is no limit to the number of times a student may take the test. Persons interested in seeking more information should schedule an appointment with a counselor and/or come to the school guidance office for further information.

### ***California High School Exit Exam (CAHSEE)***

The purpose of the CAHSEE is to improve student achievement in high school. It is also to help ensure that students who graduate from high school can demonstrate competency in state content standards for reading, writing, and mathematics. California high school students will be required to pass the CAHSEE to receive a high school diploma, beginning with the graduating class of 2006. Students that complete the course requirements for graduation, but do not pass the exit exam, will receive a certificate instead of a diploma in accordance with Board Policy BP 6146.1.

## **COLLEGE READINESS EXAMS**

- **PLAN**  
PLAN is a comprehensive guidance tool that helps tenth graders access their academic development, explore careers, and make plans for their remaining years in high school and beyond. Students are assessed in reading, writing, math, and science reasoning. PLAN is for the college-bound and non-college-bound student. It provides test preparation for the ACT.
- **PSAT (Preliminary SAT)**  
The PSAT is administered in mid-October to students who are interested in attending college. This test measures verbal, mathematical reasoning ability, and writing skills. In addition to providing experience for taking the SAT, the test qualifies high-scoring juniors for important scholarships. This is the National Merit Scholarship Qualifying Test (NMQST).
- **SAT (Scholastic Aptitude Test/Reasoning Tests)**  
The SAT I is an examination which many colleges require for admission. It includes a general test of critical reading, writing, and math, and includes a student-written essay. Most colleges and universities require this exam. The University of California recommends SAT II Subject Tests for certain majors.
- **ACT (American College Test)**  
The ACT is similar to the SAT, but specifically tests English, math, reading, writing, and science reasoning.
- **SAT II Subject Exams**  
The SAT II subject exams (2) by the University of California are one-hour multiple-choice tests in specific subjects. Unlike the SAT I, which measures more general abilities, SAT II is for admissions or placement purposes. Some colleges require various combinations of tests; others permit students to choose.

Check the requirements of the colleges before deciding which tests to take. Try to take SAT II tests as close as possible to completing a course in that subject area. For Example, the best time to take a Biology test is at the end of a Biology course, which is frequently taken in the freshman or sophomore year. ***Taking the SAT II***, a free booklet, available from the Career Center, has detailed descriptions of all the subject tests and includes sample questions for each test.

For additional information regarding admissions and enrollment, visit the College Board Website at [www.collegeboard.com](http://www.collegeboard.com)

## **COLLEGE AND UNIVERSITY ENTRANCE REQUIREMENTS**

### ***University of California a-g Subject Requirements***

**a – HISTORY/SOCIAL SCIENCE – 2 years required** – Two years of history/social science including: 1 year of US history or ½ year of US history and ½ year of civics or American government; and 1 year of world history, cultures, and geography.

**b – ENGLISH – 4 YEARS REQUIRED** – 4 years of college preparatory English that include frequent and regular writing, and reading of classic and modern literature. Not more than two semesters of ninth grade English can be used to meet this requirement.

**c – MATHEMATICS – 3 years required; 4 recommended** – Three years of college preparatory mathematics that include the topics covered in elementary and advanced algebra and two and three dimensional geometry. Approved integrated math courses may be used to fulfill all or part of this requirement, as may math courses taken in the seventh and eighth grades that your high school accepts as equivalent to its own courses.

**d – LABORATORY SCIENCE – 2 years required; 3 recommended** – Two years of laboratory science providing fundamental knowledge in at least two of these three disciplines: biology, chemistry, and physics. Not more than one year of ninth grade laboratory science can be used to meet this requirement.

**e – LANGUAGES OTHER THAN ENGLISH- 2 years required; 3 recommended** – Two years of the same language other than English. Courses should emphasize speaking and understanding and include instruction in grammar, vocabulary, reading and composition. Courses in language other than English taken in the seventh and eighth grades may be used to fulfill part of this requirement if your high school accepts them as equivalent to its own courses.

**f – VISUAL AND PERFORMING ARTS – 1 year required** – One year (two semesters) in art, drama, band, etc.

**g – COLLEGE PREPARATORY ELECTIVES – 1 year required** – One year (two semesters) in addition to those required in “a-e” above, chosen from the following areas: history, social science, English, advanced mathematics, laboratory science, and language other than English (a third year in the language used for the “e” requirement or two years of another language).

### Test Requirements

All freshman applicants must submit scores from the following tests:

SAT I Reasoning Test (Verbal and math scores must be from the same sitting) *or*

ACT (Composite score is used) *plus* Writing

SAT II (if applying to a UC) Two subject tests in two different subjects: History, Literature, Math (level 2 only), Science, or Language.

### Scholarship Requirement

The Scholarship Requirement defines the grade point average (GPA) students must attain in the required “a-g” subjects and the scores they must earn on the SAT Subject Tests and ACT Assessment or SAT Reasoning Test to be eligible for admission to the University. The University uses an Eligibility Index — a combination of GPA and test scores — to determine if students meet this requirement. See chart below.

UC Eligibility Index		Test Score Translation Table					
Minimum GPA = 3.0		ACT Score	SAT Score	UC Score	ACT Score	SAT Score	UC Score
<b>California Residents</b>		36	800	100		490	48
<b>“a-g” GPA</b>	<b>UC Score Total</b>		790	98	20	480	47
3.00-3.04	223	35	780	97		470	45
3.05-3.09	210		770	95	19	460	43
3.10-3.14	198	34	760	93		450	42
3.15-3.19	187		750	92	18	440	40
3.20-3.24	175	33	740	90		430	38
3.25-3.29	165		730	88	17	420	37
3.30-3.34	157	32	720	87		410	35
3.35-3.39	152		710	85	16	400	33
3.40-3.44	147	31	700	83		390	32
3.45 & above	143		690	82	15	380	30
<b>Non-California Residents</b>		30	680	80		370	28
<b>“a-g” GPA</b>	<b>UC Score Total</b>		670	78	14	360	27
3.40-3.44	147	29	660	77		350	25
3.45 & above	143		650	75	13	340	23
		28	640	73		330	22
			630	72	12	320	20
		27	620	70		310	18
			610	68	11	300	17
		26	600	67		290	15
			590	65	10	280	13
		25	580	63		270	12
			570	62	9	260	10
		24	560	60		250	8
			550	58	8	240	7
		23	540	57		230	5
			530	55	7	220	3
		22	520	53		210	2
			510	52	1-6	200	0
		21	500	50			

Please refer to your college catalog or college website for details. An interactive eligibility calculator is available online at

## University Of California Approved Courses

Uniform list for Hesperia High School, #051168, Sultana High School, #051187, and Oak Hills High School  
Courses to meet requirements for admission (see page 5)

**NOTE: Advance Placement (AP) courses earn extra GPA credit: A=5, B=4, C=3**

**\* may not be used for elective credit** (list will be updated yearly)

### a-HISTORY

AP Government and Politics United States  
World History/Geography/Cultures  
AP European History  
U.S. History  
American Government  
World History/Geography/Cultures(H)  
AP United States History

### b-ENGLISH

AP English Language and Composition  
English I-IV  
English I-II(H)  
Expository Reading and Writing 11  
CSU Expository Reading and Writing 12

### c-MATHEMATICS

\*Algebra I  
\*Geometry  
\*Algebra II  
Finite Math  
Math Analysis  
AP Calculus AB  
AP Statistics

### d-LABORATORY SCIENCE

Anatomy/Physiology  
Biology, AP Biology  
Chemistry, AP Chemistry  
Physics  
AP Physics B  
AP Environmental Science

### e-WORLD LANGUAGES

French I-V, AP French Language and Culture  
German I-IV  
Heritage Spanish I-II  
\*Spanish I  
Spanish II-III, AP Spanish Language  
AP Spanish Literature and Culture

### f-VISUAL & PERFORMING ARTS

\*Art I  
Art II-IV  
\*Sculpture I  
Sculpture II-IV  
\*Concert Band  
\*Symphonic Band  
String Orchestra  
Wind Ensemble  
Jazz Ensemble  
\*Concert Choir  
\*Treble Choir

### f-VISUAL & PERFORMING ARTS (Continued)

\*Bass Choir  
Vocal Ensemble  
\*Music Appreciation  
AP Studio Art: Drawing  
AP Art History  
\* Beginning Drama  
Advanced Drama  
Drama Productions  
Musical Theatre  
Video Productions  
Intermediate Video Productions  
Advanced Video Productions  
Beginning Photography

### g-ELECTIVE COURSES

Advanced Journalism  
AVID IV (Senior Seminar)  
Speech & Debate  
Economics, AP Macroeconomics  
Psychology, AP Psychology  
STEM Digital Media Language Arts





## California State University Entrance Requirements

### Qualifications for Regular Admission to California State Universities

1. high school graduate
2. qualifiable eligibility index (see below); and
3. subject requirements listed below

### Subject Requirements

California State Universities require first-time freshman applicants to complete, with a grade of C or better in each course, the following comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

- English, 4 years
- Mathematics, 3 years; algebra, geometry, and intermediate algebra
- Social Science, 2 years including 1 year of U.S. history, or U.S. history and Government
- Science, 2 years with laboratory: 1 biological and 1 physical, both with labs
- Foreign language, 2 years in the same language (subject to waiver for applicants demonstrating equivalent competence)
- Visual and performing arts, 1 year: art, dance, drama/theater, or music
- Electives, 1 year: selected from English, advanced mathematics, social science, lab science, foreign language or visual and performing arts

NOTE: November 30 application deadlines have been customary. Check dates early!

**Test Requirements** - Scholastic Aptitude Test (SAT I) or American College Test (ACT). Students should consult the college catalog to determine additional test requirements.

**Additional** - The SAT I or ACT scores are combined with the GPA (grades 10, 11, and 12 excluding physical education and ROTC) to determine eligibility beyond the required course work. Grades earned in grade 9 will be reviewed.

### Eligibility Index

The eligibility index is the combination of your high school grade point average (GPA) and your score on either the ACT or the SAT. Beginning with admission for Fall 2004, your grade-point average is based on grades earned in courses taken during your final three years of high school that satisfy the comprehensive pattern of college preparatory subject requirements, and bonus points for approved honors courses (excluding physical education and military science).

Up to eight semesters of honors courses taken in the last two years of high school, including up to two approved courses taken in the tenth grade, can be accepted. Each unit of "A" in an honors course will receive a total of 5 points; "B," 4 points; and "C," 3 points.

You can calculate the index by multiplying your grade-point average by 800 and adding your total score on the SAT I. If you took the ACT, multiply your grade-point average by 200 and add ten times the ACT composite score. If you are a California high school graduate (or a resident of California for tuition purposes), you need a minimum index of 2900 using the SAT I or 694 using the ACT to be considered for admission.

Applicants with grade point averages of 3.0 or above (3.61 for nonresidents) are exempt from submitting test scores. However, students are urged to take the SAT I or ACT because all campuses use test results for advising and placement purposes and may require them for admission to impacted majors or programs.

California State University Long Beach requires all applicants for freshman admission to submit test scores from the SAT I or ACT, regardless of your high school grade-point average. No freshman applicants will be admitted who have not submitted the required test scores.

Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

### California Community Colleges

There are over 100 Community Colleges in California. At the community college, students can complete the freshman and sophomore years of a university education. Community colleges also offer programs varying in length from one semester to two years which prepare students for occupations and positions which do not require a university degree. [www.cccapply.org](http://www.cccapply.org)

### K-16 Bridge Program

The K-16 Bridge Program unites K-12 schools with community colleges and four-year institutions. The goal of the program is to increase the number of students transitioning to post-secondary institutions by making K-12 schools an active participant in the process. Students participating in the program can access personal web sites, in-class lessons, and the community college admissions process in order to facilitate their entrance to post-secondary education. [www.k16bridge.org](http://www.k16bridge.org)

### ELIGIBILITY

- Open to all high school graduates or those who pass the California High School Proficiency Examination
- Open to any adult at least age 18 who can profit from the instruction
- Open to concurrently enrolled high school students who have official permission from their school

## *University Transfer Program*

Completing the Freshman and Sophomore years of college

### **TRANSFER REQUIREMENTS**

A student can complete the lower division (freshman/sophomore) major and general education requirements for most bachelors' degrees. More California State University students complete their first two years at a community college than those years at the university.

#### *Private Colleges and Universities*

There are approximately 56 private/independent colleges and universities in California, and many throughout the country. Each of these schools has its own admissions requirements. Any student considering attending a four-year college (public or private) upon graduation from high school, should plan his/her academic program around the UC/CSU a-g requirements. These courses will generally meet the admission requirements for most colleges. However, students interested in a private or out-of-state college or university are strongly advised to obtain a catalog from that school and to review admissions requirement with a counselor. Most private colleges and universities also require the SAT or ACT and some require portions of the SAT II.

### **SPECIAL PROGRAMS**

#### *Advancement Via Individual Determination (AVID)*

The AVID program provides a support system for students who want a chance at college. Students will focus on organizational skills, note-taking, test-taking tips, and writing-to-learn activities, to name a few. AVID students will be enrolled in the most rigorous academic schedule; therefore, tutorials for their academic classes will be an integral part of the AVID program. Students must possess a GPA of 2.0 or higher and go through an interview process.

#### *Accelerated Curriculum Enrichment Program (ACE)*

This is a program for gifted and high achieving students. ACE students take World History Honors during their freshman year and are kept together during their core classes. This program is not offered at all schools. Please check with school sites for availability.

#### *Gifted and Talented Education (GATE)*

At the high school level, the GATE program serves identified gifted and talented students through two components. The academic component emphasizes participation in a variety of other activities selected to enhance the individual strengths of the student. The program is coordinated at each site while working with parents, students, and the site counseling staff to develop an individualized plan for each identified student.

#### *California Scholarship Federation (CSF)*

The California Scholarship Federation is a statewide organization that fosters high standards of scholarship, service, and citizenship. Eligible students must apply for membership each semester. To qualify, students must earn at least 10 CSF points during the previous semester. Guidelines for membership and a full explanation of the point system are available from the CSF Advisor or the Guidance Office at each participating school.

#### *National Honor Society (NHS)*

The National Honor Society (NHS) is the nation's premier organizations established to recognize outstanding high school students. More than just an honor roll, NHS serves to honor those students who have demonstrated excellence in the areas of Scholarship, Leadership, Service, and Character. Chapter membership not only recognizes students for their accomplishments, but challenges them to develop further through active involvement in school activities and community service.

#### *Workforce Investment Act (WIA)*

This program provides entry-level work experience in compliance with the U.S. Department of Labor and the State of California to connect youth with permanent, unsubsidized employment opportunities.

#### *Special Education*

Eligible students experiencing academic difficulty may require a Special Education Program to meet their individual needs. Referrals may originate with the student's teacher, parent, or other source familiar with the student. The Student Study Team will review the student's profile, provide appropriate interventions, and possible referral when the interventions fail to yield the desired results for a Special Education assessment. Special Education students may be placed into Special Education Programs after the assessment by the Individualized Education team, if they meet eligibility criteria and the parent or guardian concurs. Classes are recommended by the IEP Team according to student needs.

Programs for Non-Severely Disabled Students available at the high school level include:

- Regular Education Classes
- Regular Education Classes with additional support services
- Pull out classes

Programs for Severely Disabled Students are centralized and include:

- Severely Disabled
- Orthopedically impaired
- Developmentally Delayed
- Seriously Emotionally Disturbed

Additionally, specialized programs for the visually and aurally impaired are available through the San Bernardino County Office of Education.

### ***APPLIED INTENSIVE INTERVENTION MODEL (AIIM – formerly SUCCESS)***

The AIIM program provides a self-contained, specialized educational and behavioral program focusing on individualized academic and behavior expectations for each student.

### ***LIFE SKILLS (formerly CAPA)***

Life Skills provides a functional and academic curriculum to prepare students for life beyond high school. The program exposes students to academics as well as living and vocational experiences.

### ***WORKABILITY***

WorkAbility provides pre-employment skills, career exploration, worksite training and follow up for eligible youth in special education who are making the transition from school to work. 760-244-1771 x102

### ***WTP***

WTP is a work experience program designed to support special needs students in completing their high school diploma requirements while obtaining real-life employment skills. The program makes available pro-vocational and vocational opportunities allowing students to work up to 20 hours per week. 760-948-3999 x193

This program is designed for:

- Special education students who are on diploma track and are 18 years old or older
- Pregnant high school students or students on maternity leave
- Students living in the HUSD boundaries that are on expelled status
- Students who would be referred to county or non-public school
- Students will be provided with the opportunity to continue their education until they reach the age of 22 years old.

### ***Concurrent Enrollment***

Students may be concurrently enrolled in college and high school. Credits earned from college may be counted toward graduation with administrative approval prior to enrollment. See a counselor for further details.

### ***Exploratory Work Experience***

Work Exploration is unpaid and has as its purpose the vocational guidance of the students. Students observe and systematically sample a variety of work to ascertain interest and suitability for the occupation they are exploring. Work Exploration is offered to students when the following conditions are met:

- Work site must be pre-approved by Work Experience Coordinator
- Student must provide his/her own transportation
- Satisfactory grades and citizenship in regular classes
- Satisfactory school attendance
- Open to grades 9 – 12

WORK EXPERIENCE EDUCATION - Work Experience education is offered to students who meet the following qualifications:

- At least 16 years of age
- Or a junior or senior
- Employed (We do not have job placement services; each student must have a job before enrollment)
- Satisfactory grades and citizenship in regular classes
- Satisfactory school attendance

### ***Alternative Education Programs***

Mojave High School  
Canyon Ridge High School

Shadow Ridge Alternative School  
Alternative Education Center  
CAL-SAFE (Teen Parents)

### *Hesperia Adult School*

Hesperia Adult School offers a variety of programs to support education and training. We offer programs in GED preparation, GED testing, Adult High School Diploma, California High School Exit Exam preparation and a variety of fee-based career education programs. 760-244-1771 x110

### *Regional Occupational Program (ROP)*

The ROP provides career programs and support services that supplement and expand existing career offerings of our school district, including instruction for entry level employment, advanced training, or upgrading skills. Programs are limited to areas where “reasonable” expectations for employment exist. Students receive a certificate of training and job placement assistance. Those enrolled must be at least 16 years of age. High school students have priority registration. For information, check the website at <http://www.rop.cc> or call 760-244-1771, ext. 157.

- Entry level job skills training
- Upgrading occupational skills
- Preparation for further education
- Certificate of Training
- Job placement assistance

## HESPERIA UNIFIED SCHOOL DISTRICT GRADUATION REQUIREMENTS

- Earn a minimum of 220 credits
- Earn 150 credits in required courses and 70 credits in electives
- Pass the CAHSEE (California High School Exit Exam) Students that complete the course requirements, but do not pass the CAHSEE, will receive a certificate instead of a diploma and will be able to participate in the graduation ceremony. (BP 6146.1)

<b>ENGLISH</b>	Grade: 9	Credits: 10	Course: English I, I(H)
(4 years)	10	10	English II, II(H)
<b>40 Credits required</b>	11	10	English III, English Language II AP, English III Expository
	12	10	English IV, English Literature IV AP

<b>SOCIAL STUDIES</b>	Grade: 10	Credits: 10	Course: World History, World History (H), European History AP
(3 years)	11	10	US History, US History AP
<b>30 Credits required</b>	12	5	American Government, US Government & Politics AP
	12	5	Economics, Microeconomics AP, Macroeconomics AP

<b>MATHEMATICS</b>	Grade: 9	Credits: 10	Course: 9 <sup>th</sup> grade appropriate math
(2 years)	10	10	10 <sup>th</sup> grade appropriate math
<b>20 Credits required</b>	11 or 12	10	11 <sup>th</sup> /12 <sup>th</sup> grade appropriate math

Math course placement is determined by test scores, teacher recommendation and previous math grades. **All students must complete Algebra I and Geometry to graduate.**

<b>SCIENCE</b>	Grade: 9	Credits: 10	Course: Physical Science
(3 years)	10	10	Biological Science
<b>30 Credits required</b>	11	10	Physical or Biological Science

Must include 10 units each of Biological and Physical Science and one additional year of either a Biological or Physical Science. (Two years of Agriculture Science – One year of Biological Science)

<b>HEALTH /</b>	Grade: 9	Credits: 10	Course: Freshman Physical Education/Health
<b>PHYSICAL EDUCATION</b>	10	10	General Physical Education
(2 years)			
<b>20 Credits required</b>	(One year of Concert, Marching Band, Symphonic or ROTC = One semester P.E.)		

<b>WORLD LANGUAGES/ VISUAL &amp; PERFORMING ARTS/ VOCATIONAL</b>	Grade: 9-12	Credits: 10	Course: Foreign Language or Fine/Performing Arts or Vocational
(1 year)			
<b>10 Credits required</b>			

<b>ELECTIVES</b>	Grade: 9-12	Credits: 5-10 each	Course: All courses not taken for required course credit can be used for elective credit.
<b>70 Credits required</b>			

Promotion Requirements:

50 Units – 10<sup>th</sup> Grade

100 Units – 11<sup>th</sup> Grade

160 Units – 12<sup>th</sup> Grade

### **FOUR YEAR PLAN**

Required and elective courses should be selected with specific career/academic path in mind. Ninth grade students and parents will complete a 4-year plan during high school. These plans should be revised and updated throughout high school.

## REPEAT COURSES

With the approval of the principal or designee, a student may repeat a course in order to raise his/her grade. The student shall receive credit only for taking the course once. The highest grade received will be the permanent grade on the student's transcript.

## COURSE OFFERINGS

All elective courses listed below may not be offered every year or at every secondary school.

Grade Level: 9-12

## HIGH SCHOOL COURSES OF STUDY (9-12)

### *Business Education/Computer Science*

#### **7100 COMPUTER KEYBOARDING I**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Students learn touch-typing, a necessary skill to compete in a technologically-oriented society. Students work on PC-compatible computers to complete business activities which include letters, memorandums, and reports.

#### **7120 INTRODUCTION TO RECORD KEEPING**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Students receive a broad knowledge of business operations and basic skills to keep financial records with understanding of legal obligations.

#### **7130 WORD PROCESSING**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Keyboarding I

This course offers students an opportunity to gain confidence and skills in the use of the newest PC-compatible word processing software.

#### **7140 SPREADSHEET/DATABASE**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Keyboarding I

This course is designed to familiarize students with operations involved in spreadsheet, database, and software integration.

#### **7160 COMPUTER LITERACY**

Course Length: Semester

Credits: 5

Grade Level: 9-12

This is designed to be a survey of the computer field. It focuses on the hands-on skills needed to operate in a technological society. The emphasis is on computer basics, telecommunications, applications packages, and systems analysis and design.

#### **7170 COMPUTER PROGRAMMING I**

Course Length: Semester

Credits: 5

This course covers the fundamentals of programming in Visual Basic. VB is an advanced language, but one of the easiest to learn. The students will be introduced to typical logic structures and Windows programming. The course assumes no previous programming experience. Concepts learned prepare students for other languages, C++ and JAVA.

#### **7180 COMPUTER PROGRAMMING II**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Computer Programming I

This course covers the fundamentals of the programming language C++. The students will be introduced to typical logic structures, program flow and data handling techniques. Some computer programming experience is assumed for this course.

#### **7200 COMPUTER PROGRAMMING III**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Computer Programming I or II, Computer Literacy

Emphasis will be placed on computer science fundamentals using the programming language C++. This course will be a continuation of Computer Programming II, and will delve into advance data handling, dynamic data structures, and common algorithms. Knowledge of basic C++ is assumed.

#### **7190 COMPUTER PROGRAMMING IV**

Course Length: Semester

Credits: 10

Grade Level: 10-12

Prerequisite: Computer Programming I, II, and III

Emphasis will be placed on computer science fundamentals using the programming language C++. This course will be a continuation of Computer Programming II, and will delve into advance data handling, dynamic data structures, and common algorithms. Knowledge of basic C++ is assumed.

#### **3600 COMPUTER SCIENCE A AP**

Course Length: Semester

Credits: 5

Grade Level: 11-12

Prerequisite: Teacher recommendation

This course along with Computer Programming III is designed to teach the basic Java skills and concepts needed to take the AP Computer Science A Examination. The course will cover the

fundamentals of programming in Java, rather than specific features of any operating system. The course will include hands-on exercises integrated into the flow of the class. Realistic programs, problems, and projects are presented.

### **3610 COMPUTER SCIENCE AB AP**

Course Length: Semester

Credits: 5

Grade Level: 11-12

Prerequisite: Teacher recommendation

This course along with Computer Programming IV is designed to teach the basic Java skills and concepts needed to take the AP Computer Science AB Examination. The course will cover the fundamentals of programming in Java, rather than specific features of any operating system. The course will include hands-on exercises integrated into the flow of the class. Realistic programs, problems and projects are presented.

### **7150 DESKTOP PUBLISHING**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Keyboarding I

This course will introduce design and layout of published materials. Students will develop skills in creating and organizing presentations and publications and will be required to integrate knowledge of spreadsheet, database, and word processing applications.

### **7210 ADVANCED DESKTOP PUBLISHING**

Course Length: Semester

Credits: 5

Grade Level: 10-12

Prerequisite: Keyboarding; Spreadsheet/Database; Desktop Publishing

This course requires basic knowledge of spreadsheet, database, word processing, and publications software. Students will develop advanced skills as they create publications to be circulated on campus, throughout the district and on the Internet.

### **7220 ACCOUNTING I**

Course Length: Year

Credits: 10

Grade Level: 10-12

This course is designed to meet the needs of students with a variety of career objectives. Topics include preparation for careers in accounting; accounting knowledge and skills for careers in business-related fields; and the foundation for continued study of accounting at collegiate level. Course emphasizes basic accounting concepts and practices both manually and using the computer.

### **7230 ACCOUNTING II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Accounting I

This course is designed for students who are seriously considering a career in accounting or other business fields. Emphasizing accounting concepts, it further prepares students to study accounting at the collegiate level. Students are expected to demonstrate the maturity necessary to work independently.

### **7240 SMALL BUSINESS OWNERSHIP**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Counselor recommendation for 9<sup>th</sup> grade

Techniques and strategies of business ownership and management are emphasized. Topics include the daily operations of a small business, including marketing, personnel and financial management, and franchising.

### **7245 VIRTUAL ENTERPRISE**

Course Length: Year

Credits: 10

Grade Level: 10-12

Virtual Enterprise is a simulated business set up and run by students and guided by teachers and real-world business partners to prepare them for working in a business environment.

### **7250 INTRODUCTION TO BUSINESS**

Course Length: Semester

Credits: 5

Grade Level: 10-12

Students will learn and apply business and economic concepts that will enable them to become part of the global economy. Students will prepare for consumer decision-making, future employment, and responsible citizenship.

### **7255 INTRODUCTION TO MARKETING**

Course Length: Semester

Credits: 5

Grade Level: 10-12

Topics such as surveying markets, locations, and physical layouts; production selection; buying and selling; advertising pricing, and inventory control methods, will be introduced. The textbook follows the curriculum model suggested by the National Marketing Educational Association.

### **7260 BUSINESS LAW**

Course Length: Semester

Credits: 5

Grade Level: 10-12

Topics covered include both business and personal law, such as credit, binding agreements, torts and legal terminology. Students will learn the law's implications for their own lives and futures. The course will challenge students to recognize the rights and responsibilities of all parties in legal situations.

### **7270 BUSINESS COMMUNICATIONS**

Course Length: Semester

Credits: 5

Grade Level: 9-12

This course will cover written, spoken, and electronic communication; writing reports, using visual aids, presentations and meetings. Ethics and cross-cultural issues will be discussed.

## *English / Language Arts*

### **0200 GENERAL ENGLISH**

Course Length: Year

Credits: 10

Grade Level: 9-12

This literature-based course develops writing skills through exploration of world literary works. Topics include structural form, cultural context, content, and interpretive meanings. Students focus on editing skills, research, and grammar in support of the creative writing process. Final projects may include the integration of art activities; original written exercises; oral and dramatic presentations.

### **0210 ENGLISH I**

Course Length: Year

Credits: 10

Grade Level: 9

Students will develop and improve writing skills through the study of grammar, punctuation, and sentence construction. Students will read works from the various genres of literature. Assignments and projects will require students to apply and develop critical thinking and analytical skills.

### **0220 ENGLISH I HONORS**

Course Length: Year

Credits: 10

Grade Level: 9

Prerequisite: Teacher Recommendation

Students will study works from the various genres and develop and strengthen interpretive, critical thinking, and analytical skills. Students will write in-depth essays analyzing literature. This is a pre-advanced placement course designed to prepare students for the Cal State and UC systems.

Special Comments: Recommended A or B in 8<sup>th</sup> grade English as well as strong writing and reading skills.

### **0230 ENGLISH II**

Course Length: Year

Credits: 10

Grade Level: 10

English II will continue to develop and improve writing skills. Students will read literary works paralleling the study of world history. Assignments and projects will require students to apply and develop critical thinking and analytical skills.

### **0240 ENGLISH II HONORS**

Course Length: Year

Credits: 10

Grade Level: 10

Students will study works from classical world literature, developing and strengthening interpretive, critical thinking and analytical skills. Special attention is given to writing that emphasize proofreading and revising. This is a pre-advanced placement course designed to prepare students for the Cal State and UC systems.

### **0250 ENGLISH III**

Course Length: Year

Credits: 10

Grade Level: 11

Students will read and study works from American literature. Assignments and projects will require students to develop and apply critical thinking, analytical, and writing skills.

### **0255 INTERCULTURAL COMMUNICATION**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: One semester English III and teacher recommendation

This course provides an opportunity to explore existing and emerging issues, theories and practices in intercultural communication.

### **0265 ENGLISH III EXPOSITORY READING & WRITING**

Course Length: Year

Credits: 10

Grade Level: 11

Prerequisite: English I & II

This rigorous rhetoric-based reading and writing course provides college-bound junior extended preparation for the literacy demands of English IV Expository and higher education. Students will analyze the impact of structural and rhetorical strategies, examine the social, political, and philosophical assumptions that underlie texts, write expository, analytical, and argumentative essays, and employ appropriate research and documentation methods.

### **0270 ENGLISH LANGUAGE III AP**

Course Length: Year

Credits: 10

Grade Level: 11

Prerequisite: English I & II Honors, teacher approval

Students become skilled readers of American prose written in various period, disciplines, and rhetorical contexts and skilled writers who compose for a variety of purposes and audience expectations. Students write effectively and confidently in a number of forms—narrative, exploratory, expository and argumentative. The desired goals are the effective use of language and the organization of ideas in a clear, coherent, and persuasive way, as well as the perceptive understanding of sophisticated masterpieces of American literature.

Special Comments: Recommended for GATE students. Those passing the AP Exam may be granted college credit.

### **0271 ENGLISH IV EXPOSITORY READING AND WRITING**

Course Length: Year

Credits: 10

Grade Level: 12

This course is designed for college-bound students, placing emphasis on rigorous reading and writing skills expected of first year college students.

### **0280 ENGLISH IV**

Course Length: Year

Credits: 10

Grade Level: 12

This course focuses on the study of British Literature. Emphasis will be placed on the analysis and appreciation of the poetry, plays and essays that are masterpieces of the English language.

### **0300 ENGLISH LITERATURE IV AP**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: English I & II Honors, English III AP, teacher approval

Advanced Placement English is a college preparatory course that uses a variety of literary works to examine rhetorical strategies and stylistic choices. Students read a wide variety of prose styles from many disciplines and historical periods to gain understanding of the connections between interpretive skills in reading and writing.

Emphasis is placed on writing in particular forms—argumentative, exploratory narrative, expository. The major purpose is to enable



students to write effectively and confidently in college courses across the curriculum and students' professional and personal lives.  
Special Comments: Recommended for GATE students. Those passing the AP Exam may be granted college credit.

### **0320 LITERATURE / WRITING**

Course Length: Year

Credits: 10

Grade Level: 11-12

Classic and contemporary novels and short stories are used to enrich students' writing and literary comprehension skills. Focus is on real life communication skill development such as persuasive speaking, writing.

### **0325 INTERMEDIATE JOURNALISM**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Beginning Journalism

This course is designed to function as a prerequisite for any student wishing to participate in any of the following courses: Yearbook, Advanced Journalism, and Broadcast Journalism. The skills, concepts, and software featured are foundational not only for student publications, but for vocational purposes as well. College preparatory aspects of the course include the use of current technology with an intensive approach; the development and use of professional-level writing skills; project collaboration and management; the gathering, synthesizing and dissemination of meaningful information; and the focus on communicating through a variety of media.

### **0330 BEGINNING JOURNALISM**

Course Length: Year

Credits: 10

Grade Level: 9-12

This is an introductory course concentrating on elements of journalistic style, including basic news and editorial writing and newspaper production. Preparation and production of the school newspaper will be taught.

### **0335 BROADCAST JOURNALISM**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Intermediate Journalism

This course serves as an introduction to television news production. In this class we will discuss gathering, evaluating writing, and performing TV broadcast copy. The emphasis for the course is placed on creating a TV newscast which will broadcast on RBTv and [www.rbtv.tv](http://www.rbtv.tv).

### **0340 ADVANCED JOURNALISM**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: English I, Beginning Journalism, teacher approval

This journalism laboratory is designed for students to participate in writing, planning and publishing the school newspaper. The course develops organization, management, and leadership skills.

### **0350 BIBLE AS LITERATURE**

Course Length: Year

Credits: 10

Grade Level: 9-12

Biblical literature focusing on the historical narrative, wisdom literature, poetic writings, epistles and prophecies will be studied. Students will examine major themes, authors, and historical perspectives contained in the Bible.

### **0370 CREATIVE WRITING**

Course Length: Year

Credits: 10

Grade Level: 11-12

Poetry, short story, play, screenplay, and advertising are some of the creative writing formats this course will use to develop writing process skills. Instruction, modeling, practice, group work, and coaching will help the student to establish a writer's voice.

### **0380 SPEECH**

Course Length: Year

Credits: 10

Grade Level: 9-12

Speech is an introduction to public speaking/debate.

### **0390 COMPETITIVE SPEECH / DEBATE**

Course Length: Year

Credits: 10

Grade Level: 10-12

Emphasis is placed on preparation for competitive speech/debate tournaments.

Special Comments: Should be available for weekend competitions. Can be used for Performing Arts credit in California State system.

### **0410 READING**

Course Length: Year

Credits: 10

Grade Level: 9-10

Focus of this course is on reading improvement. Instruction will include listening skills, concept development, vocabulary development, all levels of comprehension, and appreciation of language, as well as individual needs in word attack and structural analysis skills.

Special Comments: Designed for 9<sup>th</sup> grade students reading below 8.0 grade level. Placement is determined by standardized silent reading test, review of past reading history and recommendation of Reading Department.

### **0450 AUDITORY DISCRIMINATION IN DEPTH (ADD)**

Course Length: Year

Credits: 10

Grade Level: 9-12

This reading program is available to all students who need assistance in auditory discrimination and a phonetic approach to decoding words.

Special Comments: Available only at Mojave High School and Desert Trails High School.

### **0510-40 ENGLISH LANGUAGE DEVELOPMENT I-IV (ELD)**

Course Length: Year

Credits: 10

Grade Level: 9-12

These courses are equivalent to English I-IV, with provisions for students with limited English proficiency.

## **7860 NOVELS**

Course Length: Year

Credits: 10

Grade Level: 9-12

This is a course designed to enhance the student's understanding of the novel. Written work is evaluated based on use of language, critical justification, and appreciation of writing styles. Student-led discussions involving all class participants may be included.

Special Comments: Available only at Mojave High School and Desert Trails High School.

## *Family and Consumer Science*

### **6520 LIFE MANAGEMENT**

Course Length: Year

Credits: 10

Grade Level: 9-12

Learn basic survival skills necessary for success in this ever-changing society. Topics include communication skills, family and child relationships, basic food preparation, nutrition, basic sewing, clothing maintenance and career exploration. Also introduces students to other courses within the department.

### **6510 FOODS AND NUTRITION**

Course Length: Year

Credits: 10

Grade Level: 9-12

Emphasis is placed on the five basic food groups and on safety, sanitation, food preparation techniques, cooking, terminology, comparison shopping, and care of equipment.

### **6525 ADVANCED / CULINARY ARTS**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Foods

The emphasis in this course is on the work place dealing with food service, plate presentation and the culinary arts. Students will cook for staff functions (breakfast, lunch and dinners), and learn to cook a variety of foods with emphasis on meal planning, time management and nutrition. The students will study and prepare foods from many different cultures. This class will also include student demonstrations and their abilities to prepare diverse menus to many different groups.

### **6530 FASHION TEXTILES AND APPAREL**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course focuses on individual projects and wardrobe planning. Basic techniques include fabric layout, marking, seams finishes, hem casings, pressing, machine operation, pattern selection, hand stitches, zipper and button application.

### **6540 ADVANCED FASHION TEXTILES AND APPAREL**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Fashion Sewing

This is an advanced course as a pathway to careers in the fashion industry and fashion design. Students will learn advanced sewing

skills.

### **6550 CHILD DEVELOPMENT AND GUIDANCE**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course focuses on the serious, vital role of the parent in today's society. The three main components included are prenatal and infancy, early childhood, and effective parenting.

### **6570 EARLY CHILDHOOD EDUCATION**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Child Development/Parenting and teacher approval.

Designed to introduce students to the world of work; the course includes leadership skills, professionalism, and good work ethics. Students actively participate in on-campus preschool. Emphasis is placed on the four areas of child development, including physical, social, emotional, and intellectual growth as they relate to the child from ages 3 to 8 years. Careers and job exploration incorporated. Course is articulated with Victor Valley College.

Special Comments: May be a 2-period block.

### **6620 ECONOMICS FOR LIVING**

Course Length: Year

Credits: 10

Grade Level: 12

One year class satisfies Health graduation requirement.

This course is designed to prepare students for independent living. Major components include personal exploration (goal setting and careers), relationships (marriage, parenthood), and budgeting.

### **6640 HOUSING AND INTERIORS**

Course Length: Year

Credits: 10

Grade Level: 10-12

This consumer-oriented course includes how to plan, purchase, and furnish a home. Traditional textbook learning is blended with community contacts to insure that students master critical decision-making skills as independent, prudent consumers.

### **6600 COSMETOLOGY / MODELING**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course focuses on the individual needs of self-improvement and grooming and what it takes to be a cosmetologist and model. This includes color analysis, make-up, self-esteem, hair, manicuring, pedicures, exercise, diet, nutrition, hygiene, etiquette, body language, creativity, getting an agent and working in the business of fashion. Consumerism is stressed in all area of this class. The culmination of this course is a fashion/modeling show, portfolio and careers in the applied fields.

## *World Languages*

### **4280 GENERAL TRAVEL**

Course Length: Year

Credits: 10

Grade Level: 9-12

Travel must be designated as a school-approved excursion.

Students who travel to a foreign country as a participant in a school-approved excursion may receive academic credit.

### **4300 FRENCH I**

Course Length: Year

Credits: 10

Grade Level: 9-12

Introduces students to basic structures of the French, with emphasis placed upon understanding and speaking the language with an introduction to reading and writing French. The development of basic vocabulary, communication skills, and appreciation of French-language culture are the primary goals of this course.

### **4310 FRENCH II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: French I and teacher approval

This intermediate course builds on the foundation of French I. Students will continue to expand vocabulary, knowledge of French language structure. Cultural knowledge and auditory skills are further developed through the study of French-language cinema and various other media.

### **4320 FRENCH III**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: French II and teacher approval

An advanced course in which students expand their vocabulary and grammatical proficiency in the French language and begin the study of French literature. Extensive practice with verb tenses, idioms, and verbal communication.

### **4330 FRENCH IV**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: French III and teacher approval

Students expand vocabulary proficiency and will be expected to communicate in informal and social settings. Students will continue to broaden their understanding of French culture and literature and will complete their study of major language structures.

### **4340 FRENCH LANGUAGE IV AP**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: French III and teacher approval

Students enrolling in AP French should have attained reasonable proficiency in listening, speaking, reading and writing. Students will prepare to successfully challenge the national Advanced Placement examination.

### **4350 FRENCH LITERATURE V AP**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: French IV and teacher approval

This course is designed to introduce students who have advanced language skills to the formal study of a representative body of literary texts in French. Works of prose, poetry, and drama from different periods will be studied. Students will learn the cultural context of the works and acquire the basic concepts and terminology of textual analysis. Students will prepare to successfully challenge the national Advanced Placement examination.

### **4360 GERMAN I**

Course Length: Year

Credits: 10

Grade Level: 9-12

Introduces students to basic structures of the German language, with emphasis on listening, speaking, reading, and writing. This course also introduces various cultural similarities and differences between German-speaking countries and the United States, including customs, work ethics, education, and leisure time activities.

### **4370 GERMAN II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: German I and teacher approval

This intermediate course builds on the foundation of German I. Students will continue to expand vocabulary, knowledge of German language structure, and German culture.

### **4380 GERMAN III**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: German II and teacher approval

Students will expand their vocabulary and grammatical proficiency in the German language and begin the study of German literature.

### **4390 GERMAN IV**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: German III and teacher approval

Students expand vocabulary proficiency and will be expected to communicate in informal and social settings. Students will continue to broaden their understanding of German culture and literature and will complete their study of major language structures.

### **4391 GERMAN LANGUAGE IV AP**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: German IV and teacher approval

This course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines rather than being limited to any specific body of subject matter. Extensive training in the organization and writing of compositions is covered. Students will prepare to successfully challenge the national Advanced Placement examination.

### **4400 SPANISH I**

Course Length: Year

Credits: 10

Grade Level: 9-12

Introduces students to basic structures of the Spanish language, with

emphasis on listening, speaking, reading, and writing. The course also introduces various cultural similarities and differences between Spanish-speaking countries and the United States, including customs, work ethics, education, and leisure time activities.

#### **4410 SPANISH II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Spanish I and teacher approval

This intermediate course builds on the foundation of Spanish I. Students will continue to expand vocabulary, knowledge of Spanish language structure and Hispanic culture.

#### **4420 SPANISH III**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Spanish II and teacher approval

An advanced course in which students move towards fluency in the Spanish language by continuing to expand their vocabulary and making a more in-depth study of language structure. Spanish language literature is introduced.

#### **4440 SPANISH LANGUAGE IV AP**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: Spanish III and teacher approval

Taught at the college level, this course prepares students to successfully pass the Advanced Placement Spanish Language examination. Students polish their skills in listening comprehension, speaking proficiency, reading and writing as well as continuing to expand their vocabulary and their knowledge of Hispanic culture.

#### **4460-70 HERITAGE SPANISH I - II**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Students must come from a home environment where Spanish is spoken and must be fluent Spanish speakers.

Designed for students who already understand and speak Spanish but who may not read or write it. Students learn to express themselves more completely in both spoken and written Spanish. They reflect upon and discuss Hispanic culture in the context of the whole Hispanic world and make comparisons to their home cultures. Upon completion of this course, students should be able to develop oral fluency and competency in basic reading and writing skill.

Special Comments: Students (other than ELD students) should be functioning well in English in order to undertake the rigorous study of a formal foreign language course.

### *Industrial Technology*

#### **5800 STEM INTRODUCTION TO ENGINEERING & ROBOTICS**

Course Length: Semester

Credits: 5

Grade Level: 9-12

The class will cover the concepts of the five basic areas of Engineering: Civil Engineering, Chemical Engineering, Electrical

Engineering, Mechanical Engineering, and Aeronautical Engineering.

#### **5810-20 ELECTRONICS I & II**

Course Length: Year

Credits: 5

Grade Level: 11-12

Prerequisite: Algebra 1

Students will study fundamental principles involved in electricity and electronics and demonstrate their knowledge.

#### **5980 INTRODUCTION TO CONSTRUCTION / DRAFTING**

Course Length: Year

Credits: 10

Grade Level: 9-12

Introduces the principles of the construction trades, including reading basic floor plans and computing material needs. Hand tools will be used to explore such processes as framing, foundations, and finish carpentry. Safety requirements of industrial plants and constructions sites and the use and safety requirements of power equipment will be emphasized.

#### **6000 CONSTRUCTION TECHNOLOGY I**

Course Length: Year

Credits: 10

Grade Level: 9-12

Emphasizes planning and layout, material processing, assembling processes, and finishing processes related to building construction standards. Group projects focus on site preparation, framing, interior finish, exterior finish, mechanical systems, utilities systems and masonry. Particular attention will be paid to industry methods of measurement, reading plans, and materials estimating.

#### **6010 CONSTRUCTION TECHNOLOGY II**

Course Length: Year

Credits: 10-20

Grade Level: 10-12

Prerequisite: Construction Tech I and teacher approval

Designed as a sequel to Construction Technology I, students will continue the study of planning and layout, materials processing, assembling processes and finishing processes related to cabinet making or building construction. May be a 2-period block.

#### **6020 CONSTRUCTION TECHNOLOGY III**

Course Length: Year

Credits: 10-20

Grade Level: 11-12

Prerequisite: Construction Tech II and teacher approval

Students do projects in one of two areas: cabinet making and fitting to industry standards including materials estimating and mass production techniques or small structure construction and finish. Topics include elementary site survey and building codes.

#### **6030 CONSTRUCTION TECHNOLOGY IV**

Course Length: Year

Credits: 10-20

Grade Level: 12

Prerequisite: Construction Tech III and teacher approval

Students demonstrate mastery and advanced construction techniques through completion of related projects. May be a 2-period block.

#### **6040 TRANSPORTATION TECHNOLOGY**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Teacher recommendation

This course will focus on the production, measurement, and use of forms of energy. May include such topics as conservation, pollution, transportation systems, internal combustion engines, power systems, and research and development of energy and power systems. Transportation careers will be explored.

Special Comments: The course is designed to meet the needs of at-risk students.

#### **6045 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Automobiles and their systems will be studied along with safety.

#### **6050 AUTOMOTIVE TECHNOLOGY I**

Course Length: Year

Credits: 10-20

Grade Level: 9-12

This course covers the mechanical engine, drive train, brakes, heating and cooling, ignition, lubrication, exhaust, suspension, steering and electrical systems. This class is for the student who is thinking of entering the field of automotive service.

#### **6060 AUTOMOTIVE TECHNOLOGY II**

Course Length: Year

Credits: 10-20

Grade Level: 10-12

Prerequisite: Auto Tech I and teacher approval

This course covers all aspects of friction, machining of drums, rotors, hydraulic systems and the repair of anti-skid and traction controls.

The course also covers all aspects of automotive suspension, steering, and alignment. May be a 2-period block.

#### **6070 AUTOMOTIVE TECHNOLOGY III**

Course Length: Year

Credits: 10-20

Grade Level: 11-12

Prerequisite: Auto Tech II and teacher approval

This course covers all areas of automotive electronics and teaches a strategy-based diagnostics approach to solving problems using advanced test and repair equipment. May be a 2-period block.

#### **6080 AUTOMOTIVE TECHNOLOGY IV**

Course Length: Year

Credits: 10-20

Grade Level: 11-12

Prerequisite: Auto Tech III and teacher approval

This course covers all areas of engine performance. Students will be introduced to the complex diagnosing and repair of the computer, fuel injection and emission control systems using advanced test and repair equipment. May be a 2-period block.

#### **6200 DRAFTING TECHNOLOGY I**

Course Length: Year

Credits: 10

Grade Level: 9-12

The purpose of this course is to help students learn to visualize in 3 dimensions; to develop and strengthen their technical imagination; to think precisely; and to read and write the language of industries. Students will gain experience in making working drawings according to current industrial practice. Computer aided drafting is introduced.

#### **6205-15 DRAFTING TECHNOLOGY II-IV**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Teacher approval

Students prepare complete architectural and mechanical drafting plans to industry standards. Advanced projects will prepare students for employment and build a professional quality portfolio.

#### **6220 COMPUTER GRAPHICS**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Teacher approval

Students will study the history of graphic arts and the printing profession. Students will be exposed to the diverse areas of employment within the graphic arts field. Using techniques that meet industry standards, students will learn to prepare camera-ready copy for reproduction and the basic elements of composition and stripping. Working as a team, students will prepare a classroom project for publication/exhibition.

#### **6093 BEGINNING MOTORCYCLE TECHNOLOGY**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Beginning Air Cooled Engine Service & Repair or Automotive Technology I

Students will learn theory and principles of air cooled engines used in all configurations of motorcycles to include quads and mini-bikes. Topics will include work shop safety, hazardous material control and handling, basic electrical theory and systems, carburetors and fuel systems, chain and gear drives, ignition systems, manual and electrical starting systems, and steering and suspension system adjustment.

#### **6094 ADVANCED MOTORCYCLE TECHNOLOGY**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Beginning Motorcycle Technology

Students will learn theory and principles of transmission and differentials (quads) and steering and suspension controls. Topics include work shop safety, hazardous material control and handling, advanced electrical theory and system repair, alternator overhaul, carburetor rebuilding, fuel injection diagnosis and repair, engine overhaul, transmission/differential repair, and steering fork overhaul.

#### **6095 BEGINNING AIR COOLED ENGINE SERVICE & REPAIR**

Course Length: Year

Credits: 10

Grade Level: 10-12

Students will learn theory and principles of air cooled engines used in off road vehicles, carts and ancillary systems of motor homes, their service and repair. Topics that will be covered are: work shop safety,

hazardous material control and handling, basic electrical theory and systems, carburetors and fuel systems, chain and gear drives, ignition systems, and manual and electrical starting systems.

### **6096 ADVANCED AIR COOLED ENGINE SERVICE & REPAIR**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Beginning Air Cooled Engine Service & Repair, teacher approval

Students will learn theory and principles of air cooled engines and repair as it relates to larger power plants used in off road vehicles, small tractors, carts and industrial equipment and generators. Topics that will be covered are: work shop safety, hazardous material control and handling, advanced electrical theory and generation. Students will learn to prepare repair orders and estimates, customer relations and parts requisition. Course will include an introduction to small diesel power plants.

### **6260 DIGITAL MEDIA ARTS**

Course Length: Year

Credits: 10

Grade Level: 9-10

Students in this course will learn the basic fundamentals of I-Works and I-Life software. Students will have access to video cameras, keyboards and other video recording equipment. Students will gain an understanding of video design, audio-visual presentation, story board, keynote and word processing skills. This course supports learning the skills needed for the Digital Media Arts Pathway.

## *Mathematics*

### **1218 ALGEBRA READINESS**

Course Length: Year

Credits: 10

Grade Level: 8-9

This course reinforces and remediates skills and concepts necessary to prepare students for algebra. Topics include variables, integers and exponents, solving equations and inequalities with one variable, rational numbers, and graphing in the coordinate plane.

### **1231 ALGEBRA IA**

Course Length: Year

Credits: 10

Grade Level: 9-10

Prerequisite: Teacher recommendation

Algebra IA is a basic first semester algebra course taught over a year and includes: fundamental laws and operations of algebraic expressions, signed numbers and equation manipulation. The course will conclude with solving and graphing linear inequalities.

### **1230 ALGEBRA I**

Course Length: Year

Credits: 10

Grade Level: 9-11

Prerequisite: Teacher recommendation

Algebra I is a basic first year algebra course. Content includes fundamental laws and operations of algebraic expressions; signed numbers and solving of linear equations by graphing; equations; factoring and radicals; the concepts of sets; inequalities; the

properties of numbers; and the concept of a function.

### **1250 GEOMETRY**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Algebra I, teacher recommendation

The Geometry course is designed to introduce the basic principles of geometry. Topics include basic geometric constructions with straight-edge and compass, points, planes, lines, theorems, postulates, congruence, similarity, triangles, inequalities, parallels, quadrilaterals, polygons, circles, coordinate geometry.

### **1251 PRACTICAL GEOMETRY**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Algebra I

This Geometry course is designed to meet the California Math Standards and satisfy the graduation requirements for Math. It is a standard plane geometry course covering the basic principles of geometry but does not emphasize the formal proof. Does not meet college admission math requirement.

### **1260 ALGEBRA II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Geometry, teacher recommendation

Algebra II will continue the topics introduced in Algebra I as well as new algebraic ideas. Topics include real numbers, inequalities, functions and graphs, systems of equations, polynomials, rational expressions, radicals and irrational numbers, quadratic functions, conic sections, polynomial functions, exponential and logarithmic functions, sequences and series, probability, matrices, circular and trigonometric functions.

### **1261 FINITE MATH**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Algebra II

This course is designed to prepare students for college entrance exams. Topics will include Linear Equations and Functions, System of Equations, Probability Distributions and Statistics, and Binomial and Normal Distributions.

### **1265 STATISTICS**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Algebra II

Topics include the nature of statistics, organizing data, descriptive data, probability concepts, direct random variables, normal distribution, sampling distribution of the mean, and inferences of population proportions, chi square procedures, descriptive methods in regression and correlations, inferential methods in regression and correlation and analysis of variant.

### **1270 MATH ANALYSIS**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Algebra II, teacher recommendation

Math Analysis combines trigonometry with other advanced topics such as conic sections, complex numbers, polar coordinates, probability statistics, limits and introductory calculus. Other topics include trigonometric ratios, applications of right triangles, law of sine, law of cosine, proving identities, cosine of a sum or difference, sine of sum or difference, double-angle and half-angle formulas.

### **1280 CALCULUS AB AP**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: Math Analysis, teacher recommendation

Students will be introduced to the derivative, the integral and their applications; the tangent line to any point on a smooth curve, related rate problems, curve sketching, integral techniques and methods to find the area between two curves and related volume. Effective use of graphing calculator will be taught in preparation for Advanced Placement examination.

### **1320 STATISTICS AP**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Algebra II, teacher recommendation

Topics include the nature of statistics, organizing data, descriptive data, probability concepts, direct random variables, normal distribution, sampling distribution of the mean, inferences of population proportions, chi square procedures, descriptive methods in regression and correlations, inferential methods in regression and correlation, and analysis of variance.

### ***Military Science – ROTC***

Prerequisite: US citizen, physically capable of performing drills in marching. Students are required to wear the Air Force uniform one day each week, provided at no cost. Course may satisfy other graduation requirements.

### **3500 Aerospace Science I**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course includes the development of flight and the role of the military in history. Students learn about the progress of flight from ancient legends to the modern space shuttle. The course also covers basic training, including customs and traditions of the Air Force, wearing of the uniform, drill and ceremonies.

### **3510 Aerospace Science II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Aerospace Science I

Students study aerospace environment, principals of flight, navigation, and propulsion systems used in modern aerospace vehicles. Leadership education includes communication and time management skills.

### **3520 Aerospace Science III**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Aerospace Science II

Students cover the fundamentals and principles of rocket propulsion, principles underlying space travel and exploration. Management and leadership skills are stressed. Cadets hold key leadership positions.

### **3530 Aerospace Science IV**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: Aerospace Science III or teacher approval

This course is designed to prepare cadets for a possible career in civil/military aviation. Career options are explored as well as further educational opportunities.

### **3550 ROTC Summer Leadership**

Credits: 10

Grade Level: 9-12

Ten 16 hr. day leadership course intended for AFJROTC students who aspire to leadership positions in the cadet corps and in their future career pathways. Role-playing, communication and self-esteem building activities achieved via combination of lecture, classroom, and outdoor group exercises, individual assignments, and military drill/physical fitness activities. Limited to 20 cadets.

### **3560-3563 ARMY JROTC**

Course Length: Year

Credits: 10

Grade Level: 9-12

Students will become familiar with the foundations of American citizenship, the Bill of Rights, the U.S. Constitution, and Army customs and courtesies. Students will understand and apply the basic traits and principles of leadership, the proper care and cleaning of the uniform, and the rank structures of the Armed Forces. These courses provide training in map reading, marching and drill, basic rifle marksmanship and safety, and physical fitness. Cadets must complete level requirements before moving up in rank or position.

### **3580 DRILL & CEREMONIES**

Course Length: Year

Credits: 10

Grade Level: 9-12

This class will aid in disciplinary training by instilling habits of precision and automatic response to orders.

### ***Physical Education***

### **5000 FRESHMAN PHYSICAL EDUCATION**

Course Length: Year

Credits: 10

Grade Level: 9

Students will participate in a number of field and gym activities designed to acquaint them with team sports and lifetime recreational activities. Included are segments of five areas of physical fitness; cardiovascular, body fat, muscular endurance, muscular strength, and flexibility. Students will also study nutrition, physical, emotional and social wellness; substance abuse, diseases; and other state-required topics. Personal decision-making and responsibility will be

discussed. Uniforms are required.

Comment: Since the Health requirement is six hours of instruction covered during the year in Freshman PE, students who fail PE may take Sports Conditioning in summer school to make up the PE requirement, and either Child Development or On Your Own classes to substitute for a failure in Health.

### **5110 FRESHMAN ATHLETICS**

Course Length: Year

Credits: 10

Grade Level: 9

Weightlifting and fitness activities designed for incoming freshmen.

Geared towards athletes, however interested students may join.

### **5010 GENERAL PHYSICAL EDUCATION**

Course Length: Year

Credits: 10

Grade Level: 10-12

The Physical Education program teaches hand-eye coordination, aerobic conditioning, foot-eye skills, large and small motor coordination skills in a format that includes competitive and non-competitive games. Uniforms are required.

### **5030 MODIFIED PHYSICAL EDUCATION**

Course Length: Year

Credits: 10

Grade Level: 9-12

This specially designed program includes appropriate adaptations to curriculum, task and/or environment to promote physical success for students with special needs.

### **5050 DANCE**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course is designed to teach fitness through modern dance movements, ballet, and hip-hop. Uniforms are required.

### **5060 WEIGHT TRAINING**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course teaches students proper lifting techniques for strength, body conditioning, and toning. Uniforms are required.

### **5070 STEP AEROBICS**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course is designed to teach fitness through movement and sound, rhythms and stepping. Included are segments in the five areas of physical fitness: cardiovascular, body fat, muscular endurance, muscular strength, and flexibility. Uniforms are required.

### **5120-70 ATHLETIC PHYSICAL EDUCATION**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Team eligibility

The courses listed are designed to teach specialized skills to students who are participating on the freshmen, junior varsity, or

varsity teams of the sport identified.

**5120 FOOTBALL**

**5130 CROSS COUNTRY**

**5140 VOLLEYBALL**

**5150 TENNIS**

**5160 SOCCER**

**5170 WRESTLING**

**5180 BOYS BASKETBALL**

**5190 GIRLS BASKETBALL**

**5200 BASEBALL**

**5210 TRACK AND FIELD**

**5220 SOFTBALL**

**5230 GOLF**

### **5310 CHEERLEADING**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Auditions held during Spring semester

This course emphasizes development of muscular strength, coordination, agility, flexibility, and balance. Cheerleaders participate at most athletic events. They are responsible for pep rallies and assume other leadership roles on campus and at athletic events.

Special Comments: Students must be in good standing in grade 10, 11, or 12. Requires commitment beyond the normal school day.

### **5320 PAGEENTRY CORPS / FLAG / DRILL TEAM**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition

This is designed to explore basic dance and drill techniques and rhythmic movements through the use of tall flags, rifles, and color guard equipment.

Special Comments: Requires commitment beyond the normal school day.

## *Science*

### **3020 BIOTECHNICAL ENGINEERING**

Course Length: Year

Credits: 10

Grade Level: 11,12

Prerequisite: Geometry concurrent, Algebra I, Biology

Students apply biological and engineering concepts related to biomechanics, genetic engineering and forensics. Students will apply biology, physics, technology and mathematics to real-world biotech fields.

### **3040 HUMAN BIOLOGY**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Biology, Physical Science

Human Biology combines Anatomy and Physiology with Health. In this class students will learn how their body works along with how the environment and their personal habits will affect their well being. This class will build on the information learned in Biology.

### **3050 BIOLOGY**

Course Length: Year

Credits: 10

Grade Level: 9-12

Biology is a laboratory-oriented course which introduces students to selected forms of life from the smallest viruses to the largest multi-



cellular organism, including their contributions and pathologies. The interrelationships among all organisms and their environments are discussed. Students study the human organism along with the unique role it plays in the "web of life." Students learn to use the scientific method to solve problems; to plan effectively; and to observe, organize, analyze, and understand the biological world. They learn to use technology that will aid them in the development of introductory research. These tools will enable them to explore and further understand the changing world.

### **3070 ENVIRONMENTAL SCIENCE AP**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: one year each Life/Physical Science

This course will 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.

### **3080 ANATOMY / PHYSIOLOGY**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Biology

This is a college preparatory course dealing with the human anatomy from both a morphological and physiological viewpoint. The course is laboratory in nature with dissections of the fetal pig for comparative purposes to that of human tissues and systems. In addition, lectures, laboratories and demonstrations/discussions concerning functional activities of the living body in terms of both cellular and systemic functions will be conducted. The use of advanced techniques of research will be emphasized throughout the course.

### **3060 BIOLOGY AP**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Biology, Anatomy, teacher approval

This is a college preparatory course involving extensive scientific research, problem solving, and reporting on current scientific topics. The student will be required to use computer technology to research topics, problem solve, organize data, and to report conclusions dealing with the human anatomy. The use of advanced techniques of research will be emphasized. Those passing the AP test may earn college credit.

Special Comments: Students will be required to enter one of their scientific projects in the school science fair. Course requires a great deal of independent work and creative thought from the students.

### **3095 INTRODUCTION TO BIOMEDICAL SCIENCES**

Course Length: Year

Credits: 10

Grade Level: 9-10

This course introduces students to the basics of biomedical sciences including bioethics, biotechnology and bacteriology. This class will also incorporate the AMGEN-Bruce Wallace Biotechnology Lab Program. Students will prepare for some of the competitive events available to Cal-HOSA students at the State Leadership Conference.

### **3109 INTRODUCTION TO PHYSICAL SCIENCE**

Course Length: Year

Credits: 10

Grade Level: 9

Intro to Physical Science is a freshman level course designed to teach the California Earth Science standards. Topics include geology, weather, oceans, and space science. The fourth quarter includes very basic principles from Chemistry. This is not a "laboratory science" course as defined by the Cal State University system, although labs may be included in the curriculum.

### **8225 R-INTRODUCTION TO PHYSICAL SCIENCE**

Course Length: Year

Credits: 10

Grade Level: 9-10

Modified Introduction to Physical Science curriculum meets the needs of learning disabled students.

### **3110 PHYSICAL SCIENCE**

Course Length: Year

Credits: 10

Grade Level: 9-12

Physical Science is an introductory non-laboratory course including topics in chemistry, energy, measurement, physics, geology, astronomy, and ecology.

### **3140 ENVIRONMENTAL ISSUES**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Introduction to Physical Science and Biology

Environmental Issues is a multidisciplinary science that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, and to examine alternative solutions for resolving and/or preventing them.

### **3160 GEOLOGY**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Introduction to Physical Science and Biology

Students will study the processes that shape and change the Earth. This class will use United States Geological Survey, Geological Society of America, California a Divisions of Mines and Geology, Cascade Volcanic Observatory, and the National Parks.

### **3180 CHEMISTRY**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Algebra II or concurrent enrollment, Biology

This course is organized around the theme that the properties of matter are a consequence of its structure. It is an in-depth study of inorganic chemistry with an introduction to nuclear chemistry. It includes laboratory investigations, concepts in chemistry, and is designed and structured to satisfy university entrance requirements. Techniques of research will be included to further develop critical thinking capabilities.

### **3181 CHEMISTRY AP**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Algebra II or concurrent enrollment, Biology

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college years. There are laboratory investigations after school. Topics covered include structure of matter, kinetic theory of gasses, chemical equilibria, chemical kinetics and the base concepts of thermodynamics. Those passing the AP test may earn college credit.

### **3190 PHYSICS**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: Algebra II, Biology

Physics is a college preparatory laboratory science course that introduces students to the basic principles that laws of physics involving matter, mass, inertia, density, energy, heat, light, and waves. Emphasis is placed on problem solving, analysis of laboratory work, and development and substantiation of hypotheses. The use of advanced techniques of research will be emphasized throughout the course.

### **3190 EXERCISE & SPORT SCIENCES**

Course Length: Year

Credits: 10

Grade Level: 11,12

Prerequisite: Anatomy & Physiology concurrent-Chemistry, Geometry  
This class will connect three academic disciplines – Biological Sciences, Physical Education, and Health Pathways. There will be a focus on career exploration and direction.

### **3540 AEROSPACE ENGINEERING**

Course Length: Year

Credits: 10

Grade Level: 10-12

The major focus of this course is to expose students to the world of aeronautics, flight and engineering. Students will be introduced to activity-based, project-based, and problem-based learning through exploring the world of aerospace engineering.

### **3545 STEM ENGINEERING & ADVANCED ROBOTICS**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: STEM Introduction to Engineering & Robotics

The advanced robotics course is the second course in the STEM robotics pathway. This course will cover topics to include: programming with Robot C language, assembly of robots with vex robotics parts, principals of engineering, principles of gear ratios, principles of mechanics, as well as use of sensors in robot function. This course will also allow students to compete in the Vex Robotics Competitions.

### **6240 PRINCIPLES OF ENGINEERING DESIGN & DEVELOPMENT**

Course Length: Year

Credits: 10

Grade Level 11-12

Prerequisite: Algebra I & II

This course will involve the technical design of a project selected by

the students and approved by the instructor. The main focus will be the engineering notebook where the design process will be recorded by the student along with sketches, pictures, and work session activities.

## *Social Studies*

### **2030 WORLD HISTORY, CULTURES, AND GEOGRAPHY**

Course Length: Year

Credits: 10

Grade Level: 10

Students examine major turning points in the shaping of the modern world from the late eighteenth century to the present. Topics to be covered include the expansion of the West, the rise of democratic ideas, the industrial revolution, imperialism, the World Wars, totalitarianism, and current world issues.

### **2040 WORLD HISTORY, CULTURES, & GEOGRAPHY-HONORS**

Course Length: Year

Credits: 10

Grade Level: 10

Prerequisite: Teacher recommendation

This course includes an in-depth, accelerated study of World History with emphasis on independent research and active classroom participation.

### **2031 GEOGRAPHY**

Course Length: Year

Credits: 10

Grade Level: 9-12

Students will learn about people and how they relate with each other and their surroundings. Understanding about people and environments enables the student to think carefully about how the quality of human life might be improved, about effective use of resources, and about ways in which environments might be protected.

### **2050 EUROPEAN HISTORY AP**

Course Length: Year

Credits: 10

Grade Level: 10

Prerequisite: Teacher recommendation

This advanced placement course focuses on world history from the Renaissance to the collapse of the Soviet Union. Prepares students for the European History AP College Exam; if exam is passed, students may receive college credit.

### **2070 UNITED STATES HISTORY**

Course Length: Year

Credits: 10

Grade Level: 11

This course will examine the political, economic, social, and culturally diverse history of the United States from reconstruction to the end of the cold war.

### **2090 UNITED STATES HISTORY AP**

Course Length: Year

Credits: 10

Grade Level: 11

Prerequisite: World History, teacher recommendation

This advanced placement course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will develop the skills necessary to arrive at conclusions on the basis of informed judgment and present reasons and evidence clearly and persuasively in essay format in preparation for the AP United States History exam.

### **2110 AMERICAN GOVERNMENT**

Course Length: Semester

Credits: 5

Grade Level: 12

The American Government course will focus on the Constitution and Bill of Rights; the courts and governmental process; branches of government; federalism; comparative government; contemporary issues; and citizen responsibilities.

### **2160 US GOVERNMENT & POLITICS AP**

Course Length: Semester

Credits: 5

Grade Level: 12

Prerequisite: Teacher recommendation

This course will provide a foundation for developing paradigms of different types of political systems. It will encompass the study of both specific countries and their governments and concepts used to interpret the political relationships and institutions found in virtually all national politics.

### **2150 ECONOMICS**

Course Length: Semester

Credits: 5

Grade Level: 12

Students will study fundamental economic concepts, comparative economic systems, individual behavior in the economy (microeconomics), the functioning of our economy as a whole (macroeconomics), and international economic concepts.

### **2180 MICROECONOMICS AP**

Course Length: Semester

Credits: 5

Grade Level: 12

Prerequisite: Teacher recommendation

This advanced placement course provides a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Preparation for the Advanced Placement Examinations in Microeconomics is an integral part of the course.

### **2180 MACROECONOMICS AP**

Course Length: Semester

Credits: 5

Grade Level: 12

Prerequisite: Teacher recommendation

This advanced placement course is designed to give students a

thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops familiarity with economic performance measures, economic growth, and international economics. Preparation for the Advanced Placement Examination in Macroeconomics is an integral part of the course.

### **2200 PSYCHOLOGY**

Course Length: Year

Credits: 10

Grade Level: 11-12

In this course students are introduced to psychology, with a focus on human development, including the study of childhood, learning, personality, relationships, maturation, motivation, emotional development, memory and perception.

### **2220 PSYCHOLOGY AP**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Teacher recommendation

The advanced placement course in Psychology is an introductory college-level course with a focus on the systematic and scientific study of the behavior and mental processes of human beings. Students will be exposed to the facts, principles, and phenomena associated with each of the sub-fields within psychology.

Special Comments: Students will be encouraged to take the AP Examination.

### **2010 CULTURAL STUDIES**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Prerequisite: Teacher recommendation

This course is an in-depth study of multicultural groups, including their history, culture, beliefs, and current status in the US. Students will learn about contributions to American society made by each group and gain insights into the barriers these groups must overcome. Acceptance and respect for cultural diversity in America is a major focus.

### *Visual and Performing Arts*

#### **4010 ART I**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course will focus on the creation of high quality works of art through the accelerated development of artistic skills that focus on the art elements and principles, accurately shading, measuring proportions, sighting angles, using linear perspective, engaging in color theory, creating good compositions and being able to match values, textures, and colors. Major historical art movements and artists will be studied. Through art criticism and critiques, the students will discuss and write about works of art. The students are also expected to take notes, keep a sketchbook, and begin developing a portfolio.

#### **4020 ART II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Art I, teacher recommendation

This two-dimensional art course builds upon the principles learned in Art I. The students will expand their skills by engaging in more complex subject matters, art materials, and techniques. Portfolio preparation, colleges, and careers will be discussed.

#### **4030 ART III**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Art II, teacher recommendation

In this two-dimensional course, students will achieve highly refined drawing and painting skills. Further in-depth studies will take place across a breadth of subjects, materials, and techniques. Portfolio preparation, colleges, and art careers will be emphasized.

#### **4040 ART IV**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: Art III, teacher recommendation

The students will continue to refine their drawing and painting skills with a focus on the creation of their own (student driven) concentration of artworks. Portfolio preparation, colleges and careers will be emphasized.

#### **4060 FINE ARTS APPRECIATION**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course provides an exposure to the visual and performing arts in their historical, contemporary, and cultural context.

#### **4070 AP STUDIO ART – DRAWING CONCENTRATION**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: An "A" in current art class, a portfolio review, and teacher recommendation

This course is designed for highly motivated and committed artists. The students will complete 2 summer artworks, 10 artworks that focus on a breadth of art skills during the first semester, and 12 artworks that deal with the students chosen concentration (style) during the second semester. The AP exam will consist of these 24 artworks and an artist's statement. (Some of the artwork for this exam can come from previous years)

#### **4090 AP ART HISTORY**

Course Length: Year

Credits: 10

Grade Level: 10-12

This course is a chronological art survey course that focuses on Western art from BC (before common era) to the present day. Students will complete reading assignments, keep a detailed notebook, and sit for the AP exam in May.

#### **4100 SCULPTURE I**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course will focus on the creation of high quality three-dimensional works of art through the development of artistic skills that focus on the art elements and principles of design. Students will design and create sculptures based on form, composition and spatial design. Modeling of various materials will be introduced and explored using clay, plaster, paper-mache, wire, cardboard, and other materials. Through art criticism and critiques, the students will discuss and write about works of art.

#### **4110 SCULPTURE II**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Sculpture I, teacher recommendation

This is a three-dimensional art course which builds upon basic principles and skills learned in Sculpture I in spatial design using a variety of media including plaster, metal, paper, and clay. Course content may include carving, modeling, sculpting and throwing on the potter's wheel. Portfolio development and art professions will be explored.

#### **4120 SCULPTURE III**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Sculpture II, teacher recommendation

This is a three-dimensional art course in which students will achieve refined sculpture techniques in spatial design in a variety of media including plaster, metal, paper and clay. Further in-depth studies, including historical influences in design and sculpture will be examined. Various artistic styles will be modeled and students will be encouraged to explore career and college choices.

#### **4130 SCULPTURE IV**

Course Length: Year

Credits: 10

Grade Level: 12

Prerequisite: Sculpture III, teacher recommendation

This course is designed for the advanced sculpture student to explore the fields of three-dimensional design in clay, metal, paper and plaster, jewelry-making, and mixed media. Emphasis is placed on the development of independence, style and portfolio preparation and presentation.

#### **4140 CULTURAL ART AND CRAFTS I**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course offers students the opportunity to explore a wide variety of materials and techniques. They are introduced to the elements and principles of design and color theory. These concepts will be used to create projects from various cultures and media which may include mask making; ceramic, hand-built pottery; sculpture; fiber art-weaving; paper making; basketry; printmaking; batik; calligraphy; and Pysanka.

#### **4150, 4160, 4170 CULTURAL ART AND CRAFTS II-IV**

Course Length: Year

Credits: 10

Grade Level: 10-12

These are courses in advanced two-dimensional and three-dimensional design in art with emphasis on native cultures. Advanced projects from various countries will be explored, building upon skills developed in previous courses. Form and function of a culture's arts and crafts will be studied, along with indigenous artists. Indian beadwork, clay storyteller dolls, ceramics, papermaking, and jewelry-making techniques will be included.

#### **4190 JEWELRY AND GLASS ARTS**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Art I or Sculpture I

This is an advanced level three dimensional art course which will focus on high quality works of art based on the art elements and principles of design. The students will build upon their skills learned in previous Art and/or Sculpture classes by constructing artistic jewelry and glass objects.

#### **4500 CONCERT CHOIR**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course is designed for training students with no previous choral experience. Emphasis is placed on the development of singing skills, reading music, awareness of stylistic differences, and general musicianship. Public performances will be included.

#### **4500 TREBLE CHOIR**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition

This is an intermediate level female choral ensemble requiring an audition for admission. The course will emphasize the best in choral music, advanced vocal techniques and music reading. There will be extensive performing in concerts and festivals. Special Comments: Commitment beyond the normal school day is required.

#### **4530 BASS CHOIR**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition

Perform all styles of music at a high level of excellence. Styles include classical, folk, patriotic, and pop. Vocal production, tone, and sight reading are also stressed.

Special Comments: Commitment beyond the normal school day is required.

#### **4520 VOCAL ENSEMBLE**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Audition

This is an advanced male and female choral ensemble requiring an audition for admission. The course will emphasize the best in choral music, advanced vocal techniques and music reading. There will be extensive performing in concerts and festivals.

Special Comments: Commitment beyond the normal school day is

required.

#### **4580 PIANO**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course introduces the study of the piano in a classical and contemporary manner. Students will be instructed in musical notation and expected to dedicate themselves to this study. Students will also develop their knowledge in music theory and music history. A recital is planned at the end of the school year to showcase talent developed in class.

Special Comments: Please note this class is very independent in nature and students need to be comfortable with dedicating many hours in class working alone.

#### **4590 MUSIC APPRECIATION**

Course Length: Year

Credits: 10

Grade Level: 9-12

Music Appreciation is an introduction to the ideas, values, and practices that have defined human music making throughout history. This course will cover the elements of music, historical musical periods and major musical landmarks. Students will also acquire a basic working knowledge of musical notation and terminology.

#### **4630 CONCERT BAND**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition and director's approval

This instrumental music course helps students build on previous knowledge and experience. Musicianship and music theory are emphasized. The group performs at athletic events and formal concerts and participates in both marching and concert festivals.

Special Comments: Commitment beyond the normal school day is required.

#### **4640 SYMPHONIC BAND**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition and director's approval

This is a selective advanced performing group whose repertory includes contemporary and classical music. Musicianship and music theory are emphasized. The group performs at athletic events and formal concerts and participates in both marching and concert festivals.

Special Comments: Students must own or rent instrument. Commitment beyond the normal school day is required.

#### **4650 WIND ENSEMBLE**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition and director's approval

This is a selective performing organization whose repertory includes traditional and popular music from all periods. Musicianship and music theory are emphasized. The group (which serves as a concert band, marching band, and pop band) performs at athletic events, presents formal concerts, and participates in parades, concert

festivals, and marching festivals.

Special Comments: Students must own or rent instrument.

Commitment beyond the normal school day is required.

#### **4660 MARCHING BAND**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Previous instrumental experience, audition and/or permission from instructor

Marching Band helps students build on previous knowledge and experience of playing a band instrument with the addition of learning to march in field shows, parades and band reviews. The group performs at sporting events, field show competitions and tournaments, band reviews, parades and community events. All members are required to participate in band camp and after school rehearsals and performances.

Special Comments: Marching Band members need to audition and attend band camp.

#### **4700 STRING ORCHESTRA**

Course Length: Year

Credits: 10

Grade Level: 9-12

This is a performance course for all string players from string bass to violin. May perform in concerts and festivals throughout the year.

Special Comments: Students must own or rent instrument.

Commitment beyond the normal school day is required.

#### **4710 JAZZ ENSEMBLE**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition, students must own or rent instrument

Students learn fundamentals of jazz and improvisation. Emphasis is placed on the development of style, interpretation, and technical skills in sound and performance. Students participate in many concerts and festivals throughout the year.

Special Comments: Commitment beyond the normal school day is required.

#### **4720 GUITAR**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Students must provide acoustic guitar

This course provides an opportunity to receive group and individual instruction emphasizing music reading and chords to develop a variety of playing styles. Individual practice time is available during class period. Previous music training is not required.

#### **4800 BEGINNING DRAMA**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course will introduce students to all aspects of the theater and its history. Students will learn the basics of character development, stage movement, and voice technique in order to perform monologues and scenes. Students will acquire knowledge in all areas of theater production including technical theater (lighting, sound, costumes, and make-up).

#### **4810 INTERMEDIATE DRAMA**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Beginning Drama

This course will include film history and acting for the camera.

Monologues and scenes will continue to be performed with special emphasis on Shakespeare, musical theater, children's theater, television, and movies.

Special Comments: Students may become involved in dramatic competition at high school theater festivals.

#### **4820 ADVANCED DRAMA**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Intermediate Drama

This course will emphasize modern playwrights and evaluating contemporary dramatic literature. Students will learn the basics of script writing for stage, film, and television. Final projects will include student-directed scenes and one-act plays.

Special Comments: Students will be required to assist with major school productions in a technical capacity (set, lights, sound, costumes, or make-up).

#### **4850 DRAMA PRODUCTIONS**

Course Length: Year

Credits: 10

Grade Level: 9-12

This course is designed for those interested in the total drama production. May include lighting, sound, and set design and construction.

#### **4860 MUSICAL THEATRE**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Audition, teacher approval

Musical Theatre will provide advanced performing arts students with the opportunity to improve and expand their skills in acting and music. Music concepts to be covered include proper vocal production, diction and preparation of a musical audition. Drama concepts include staging, movement and blocking principles and choreography and plot construction.

Special Comments: Extensive time commitments for public performances will be required.

#### **6300 VIDEO PRODUCTIONS**

Course Length: Year

Credits: 10

Grade Level: 9-12

Students will learn basic pre-production, production, and post-production skills while creating original works across a variety of genres.

#### **6305 INTERMEDIATE VIDEO PRODUCTIONS**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Teacher approval

Designed for students who have previous video coursework or equivalent, students will extend their pre-production, production, and post-production skills while creating original works across a variety of genres. There will be an emphasis on industry-standard gear, software, and practices.

### **6310 ADVANCED VIDEO PRODUCTIONS**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Teacher approval

Designed for students who have 2 or more previous years of video coursework or equivalent, students will strive to master industry-standard gear, software, and practices. Students will focus on elements of art, composition, and film theory while creating original works across a range of genres. Students will work in a production company capacity to gain real-world skills to prepare them for college-level film programs, film school, or entry-level work in a professional environment.

### **7500 BEGINNING PHOTOGRAPHY**

Course Length: Year

Credits: 10

Grade Level: 9-12

Using adjustable digital cameras, students will learn the fundamentals of lighting, exposure and composition. Students will learn the elements of action and still photography, as they relate to portraiture, commercial subjects, sports, news reporting, still life, and nature. Using computer driven programs, students will make contact sheets from which one or more photographs will be chosen for inclusion in their portfolio.

### **7510 ADVANCED PHOTOGRAPHY**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Beginning Photography and teacher approval

Using adjustable digital cameras, students will produce photographs that meet professional standards. Problems of low and extreme light conditions will be addressed, along with multiple exposure and complex composition problems. Students will build a portfolio of ten to fifteen photographs in one of the following areas: portraiture, commercial subjects, sports, photojournalism, still life, or nature. Using computer driven programs, students will produce a slide presentation of fifteen to twenty photographs, without titles or script, that tell a story.

### **8930 APPLIED ARTS**

Course Length: Year

Credits: 10

Grade Level: 9-12

Vocational classes for special needs students to learn Computer Embroidery, Silk Screen, and/or Engraving in the Workability Program.

### *Non-Departmental*

### **9180-83 AVID I-IV**

Course Length: Year

Credits: 10

Grade Level: 9-12

Advancement Via Individual Determination (AVID), serves as an academic and social support support system for students who possess a desire and drive to go to college. In the elective, students will learn and increase critical thinking and writing skills, and will receive support organization and study habits. AVID students will be enrolled in the most rigorous academic schedule; therefore, tutorials for their academic classes will be an integral part of the AVID program. Students must have a GPA of 2.0 or higher and go through an interview process.

### **0360 YEARBOOK**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Teacher approval

This course is designed to produce the school yearbook. Students work under the pressure of deadlines. Emphasizes copy writing, layout, photography, and other publication/production skills. Students practice information gathering methods as well as creative thinking skills.

### **7810 SURVIVAL SKILLS**

Course Length: Semester

Credits: 5

Grade Level: 9-12

This course helps students learn effective ways to survive and excel in alternative programs. Topics explored also include individual differences in culture, gender, learning styles, personality, self-esteem, communication, goal setting, accepting responsibility, and problem solving.

Special Comments: Offered only at Mojave High School and Alternative Education Center.

### **7820 CAREERS**

Course Length: Semester

Credits: 5

Grade Level: 9-12

This course is designed to provide students with an overview of the career search process. Students will complete activities that will assist them in assessing their personality, values; interests, and aptitudes. They will use computer-assisted inventories to determine career clusters that are compatible with their needs.

Special Comments: Offered only at Mojave High School and Alternative Education Center.

### **7830 SENIOR PORTFOLIO**

Course Length: Semester

Credits: 5

Grade Level: 12

The job search process will be emphasized using current technology. Included will be job applications, letters of introduction, resume preparation, and the interview process. Upon graduation students will possess a high-quality portfolio of documents and the skills necessary to obtain a job.

### **7840 LIFE SKILLS**

Course Length: Semester

Credits: 5

Grade Level: 9-12

The focus of this course is to develop skills necessary to be a

productive citizen in a democratic society. The course will include such diverse topics as decision-making, goal setting, personality development, effective communication, map reading, personal finances and budgeting, first aid, and development of effective study skills.

### **7850 WORK SKILLS**

Course Length: Semester

Credits: 5

Grade Level: 9-12

Emphasizes critical thinking and organizational skills directly transferable to the workplace. Students develop problem-solving skills through quality control, quality assurance, statistical process control; collecting data, charting, graphing workplace processes; study and practice of communications process; and team dynamics. Students demonstrate mastery through projects.

Special Comments: Offered only at Desert Trails High School

### **8920 VOCATIONS II**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course is designed to follow the Transitional Partnership Career Development Curriculum. Students will complete activities that will assist them in being successful in a work environment. Other public agencies will integrate their services with the students in their program.

### **9000 TEACHER AIDE**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Teacher approval, 2.0 GPA, good attendance, no discipline referrals, parent permission

This course designation is used for students who wish to aid teachers in the mechanical duties of classroom management and record keeping. Students will at all times attend their assigned class.

Special Comments: Students may take any combination of Teacher Assistant, Office Aide, and Computer Lab Assistant for a maximum of twenty (20) credits and maximum of one (1) per semester.

### **9005-80 OFFICE AIDE**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Consent of supervisor

This is an exploratory program designed to acquaint students with the activities and skills needed in a professional business setting. Students will perform duties while becoming aware of the variety of tasks that are a part of any business. Supervision will be performed by the classified person working with the student aide, and an administrator.

Special Comments: Students may take any combination of Teacher Assistant, Office Aide, and Computer Lab Assistant for a maximum of twenty (20) credits and maximum of one (1) per semester.

### **9110 PEER TUTORIAL**

Course Length: Year

Credits: 10

Grade Level: 11-12

As a peer tutor, a student may provide individual tutoring in one or more academic subjects based upon the peer tutor's academic strengths. Tutoring occurs in the Counseling/Career Center or in a designated classroom.

Special Comments: Tutors must have a minimum of one strong academic area and be in good standing in grade 11 or 12.

### **9120 CROSS-AGE TUTORING**

Course Length: Year

Credits: 10

Grade Level: 11-12

Cross-age tutors work at a nearby elementary school classroom assisting the teacher and learning to tutor students. The elementary principal and the high school assistant principal supervise the program. Students must be in good standing in grade 11 or 12. Course will benefit students interested in teaching as a career.

### **9130 PEER ASSISTANCE**

Course Length: Year

Credits: 10

Grade Level: 11-12

Students receive training in peer assistance and in support group participation and facilitation. Peer assistants provide supervised on-campus peer support.

Special Comments: Students are required to complete three days of training during the summer prior to assisting students.

### **9105 ADVANCE PEER ASST/SUPPORT**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Interview with advisor and counselor

Students trained in Peer Counseling provide supervised on-campus peer support.

### **9160 LEADERSHIP**

Course Length: Year

Credits: 10

Grade Level: 9-12

This is a participation-oriented course offering opportunities for students to represent and report to their peers. The Leadership course provides training in parliamentary procedure, skills for planning and supervising student activities, skills in group dynamics and conducting effective meetings, and skills in preparing budgets.

### **9161 LINK CREW**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course will provide peer support to assist freshmen in the challenges they face in their transition to high school.

### **9190 ACADEMIC COMPETITION**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Teacher, counselor approval

This course enables students to prepare for and participate in competitive programs such as Academic Decathlon and Mock Trial.



Students will engage in academically rigorous study in specific areas of literature, science, math, social science, and art. Practice in interview and speech techniques is required.

### **9300-20 WORK EXPERIENCE**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Teacher/Counselor approval. Student must be 16 years old or a junior or senior, be employed, and have satisfactory academic and citizenship grades. 9<sup>th</sup> and 10<sup>th</sup> graders may take this course if they are enrolled in exploratory work experience

The following 3 types of work experience education are accredited in California:

**Work Experience** combines classroom instruction with paid employment, *not necessarily related* to the occupational goal of the student. Students learn to become productive and responsible individuals while also learning and experiencing the employment cycle.

**Vocational Work Experience** combines related classroom instruction with paid employment *directly related* to student's occupational goal. It assists students to develop and refine occupational skills and experience the employment cycle.

**Exploratory Work Experience** is an *unpaid* program that combines related classroom instruction with structured occupational and community experience. It assists students in learning the employment cycle and the career development process.

Special Comments: Variable credits are earned based on hours worked on the job. The number of credits which may be earned is limited to a total of 40; no more than 10 credits in any one semester.

### **9330 SERVICE LEARNING**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Counselor/administrative approval and supervision

Students assess community needs and resources while preparing an integrated design for service using critical thinking and communication skills. Approval of faculty and business/civic leaders will precede implementation. Final assessment may include surveys, graphs, interviews, reports, and/or portfolios.

### **7700 CAHSEE PREP**

Course Length: Year

Credits: 10

Grade Level: 9-12

Prerequisite: Teacher, counselor approval

Students will review and learn skills and concepts necessary to master the State Standards emphasized on the California High School Exit Exam.

### **7870 DRIVERS EDUCATION**

Course Length: Semester

Credits: 5

Grade Level: 10

Prerequisite: Must be 15½ years old

This course is designed to develop knowledge of the provisions of the Vehicle Code and other laws relating to the safe and responsible operation of motor vehicles and a true appreciation of consequences and causes of auto accidents. Offered in summer school.

Special Comment: Students will need to take a Driver's Training

course with a licensed company to be eligible for a driver's license.

### **9800 ADVISORY**

Course Length: Year

Credits: 1 per semester

Grade Level: 9-12

Students will learn study skills, and career and life planning. Students will develop an educational plan that will enable them to meet career and academic goals.

Special Comment: All students will be assigned an advisory class

## ***Regional Occupational Program – ROP***

### **2410 INTRODUCTION TO HEALTH CAREERS**

Course Length: Semester

Credits: 5

Grade Level: 11-12

This course is designed for students interested in the health care industry. Students research career paths and learn about a variety of careers in health care. Certifications in CPR and AED may be completed. Students receive instruction in group dynamics, conflict resolution, legal and ethical responsibility, safety, first aid and standard precaution.

### **6810 SPORTS THERAPY**

Course Length: Year

Credits: 10

Grade Level: 10 -12

Prerequisite: Good health, good communication skills

This class is designed to prepare students with entry-level employment skills in the areas of fitness and exercise, physical therapy and athletic training. Instruction will include basic anatomy and physiology, vital signs, first aid, CPR and nutrition for fitness and sports. Specific topics such as training room management, theory and application of exercise (isometric, isotonic, isokinetic), injury prevention and rehabilitative exercises are also taught. Students' on-the-job training hours will be arranged by the instructor.

### **6815 COMPUTER BUSINESS APPLICATIONS**

Course Length: Semester

Credits: 5

Grade Level: 10-12

This program will provide students with the computer skills and knowledge necessary for employment in a business office. Students will learn computer software applications for word processing, spreadsheets, database, presentations and desktop publishing. The use of language arts and math skills will be stressed.

### **6820 FUNDAMENTALS OF LAW ENFORCEMENT**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: 16 years old, Counselor approval

This course offers the student instruction in the theory of law and the criminal justice system. Students learn the process and procedures for gathering and analyzing evidence, conducting criminal investigations, and writing reports. Students participate in physical fitness, first aid, and CPR training.

### **6822 ADVANCED LAW ENFORCEMENT**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: Fundamentals of Law Enforcement

This course builds on the Fundamentals of Law Enforcement Course, providing continued in-depth instruction, classroom Theory and hands-on experience to prepare students for a career in law enforcement. Language Arts and Math standards are reinforced.

### **6825 FIRE TECHNOLOGY**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: 16 years old, Counselor approval

This course provides training in all aspects of fire behavior including combustion, fuels, hazardous materials, and various extinguishing agents. Students will train in first aid, physical fitness, CPR, and rescue practices, and will learn fire station duties and emergency responses.

### **6827 EMERGENCY FIRST RESPONDER**

Course Length: Year

Credits: 10

Grade Level: 10-12

Prerequisite: 16 years old, Counselor approval

Students learn skills to take appropriate action as the first responder to an emergency scene. Instruction is provided in anatomy and physiology, basic functions of the nervous system, cardiovascular system, and respiratory system.

### **6850 DENTAL ASSISTING**

Course Length: Year

Credits: 10

Grade Level: 11-12

This is a comprehensive course which will lead to the acquisition of skills necessary to take the dental assistant certificate exam. The curriculum includes anatomy and physiology; terminology; front office operations; radiology; and chair-side procedures. Job search and retention skills will also be an integral part of the program.

### **6860 COSMETOLOGY**

Course Length: Year

Credits: 10

Grade Level: 11-12

This two-year program consists of 1600 hours instruction required by the State Board of Barbering & Cosmetology. This comprehensive program consists of theory and practical experience in all aspects of cosmetology focusing on sanitation, health and safety issue, and will prepare the students to pass the state required test.

Students may prepare for manicuring certification after 400 hours or esthetician certification after 600 hours.

### **6861 MANICURING**

Course Length: Year

Credits: 10

Grade Level: 10-12

Manicuring is 400 hours of technical and practical instruction. After the course is completed, a student should be able to manicure the nails and pedicure the feet. They should also perform various services of the artificial nails.

### **6862 ESTHETICIAN**

Course Length: Year

Credits: 10

Grade Level: 10-12

Esthetics is 600 hours of technical and practical training. Esthetics is the practice of giving facials, applying make-up, removing hair to beautify the face, neck and arms.

### **6870 CHILD DEVELOPMENT CAREERS**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course is designed to prepare students to pursue a career in the field of childcare and development for infants, toddlers, and young children. Students study child growth and development, safety and emergency procedures, nutrition and health practices, and developmentally appropriate practices and curriculum activities. Students who complete the course may qualify for the CTC Child Development Assistant Permit.

### **6880 RESTAURANT OCCUPATIONS**

Course Length: Year

Credits: 10

Grade Level: 10-12

This competency-based course prepares students for entry-level positions common to the commercial food preparation industry, such as a cook, waiter/waitress and cashier. Classroom instruction and practical experience will include general sanitation, safety, menu planning, cooking techniques, inventory control, the proper use of kitchen tools and appliances, food preparation and customer service.

### **6910 NURSE ASSISTANT/HOME HEALTH AIDE**

Course Length: Semester

Credits: 5

Grade Level: 11-12

Prerequisite: Medical Terminology

Upon successful completion of the nurse assistant or home health aide course, the student will meet certification requirements of the California State Department of Health for employment in a long-term health facility or with a home health agency. Instruction includes both classroom and mandatory clinical training in a variety of patient care procedures.

### **6915 NURSING CAREERS: INTRO**

Course Length: Year

Credits: 10

Grade Level: 10-12

Students research career path options and educational requirements. Students receive instruction in the fundamental skills and concepts of patient care, mathematics, human anatomy, legal and ethical responsibility, safety, first aid, and standard precautions.

### **6919 EKG MONITOR TECHNICIAN**

Course Length: Semester

Credits: 5

Grade Level: 11-12

Prerequisite: Medical Terminology

This course is designed to train students to set up and run 12 lead EKG and attach a Holter monitor. Instruction is provided in the anatomy and physiology of the heart and terminology common to the cardiovascular system. Students are trained to recognize changes in

EKG's, heart blocks, hypertrophy, infarction, and emergency situations that require immediate action. Hands-on training is an integral part of this course.

#### **6920 PHARMACY TECHNICIAN**

Course Length: Year

Credits: 10

Grade Level: 11-12

Upon successful completion of the course, the student will meet the requirements of the State Board of Pharmacy for employment as a Pharmacy Technician. The student will also be eligible to apply for a Pharmacy Technician license and be prepared for the national exam. Instruction includes both classroom and clinical training at pharmacies.

#### **6925 MEDICAL ASSISTANT – FRONT OFFICE**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Medical Terminology

This course provides the basic skills necessary for employment in a doctor's office. Front office operations include telephone techniques, appointment scheduling, receptionist duties, filing, and billing.

#### **6926 MEDICAL ASSISTANT – BACK OFFICE**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Medical Terminology

This course offers the basic skills necessary for employment in a physician's office or medical clinic. Back office operations include patient preparation, laboratory procedures, and assisting the physician. Students use medical terminology and abbreviations common to the occupation and appropriate written, verbal, and non-verbal communication skills with colleagues, patients, patients' families, and physicians.

#### **6927 MEDICAL ASSISTANT – MEDICAL AND CLINICAL**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: Medical Terminology

This course offers the basic skills necessary for employment in a physician's office or medical clinic. Instruction includes training in basic secretarial, financial, accounting, and receptionist duties, as well as the use of office equipment typically found in a medical office environment. Students use medical terminology and abbreviations common to the occupation and appropriate written, verbal, and non-verbal communication skills with colleagues, patients, patients' families, and physicians.

#### **6930 MEDICAL TERMINOLOGY**

Course Length: Semester

Credits: 5

Grade Level: 11-12

This course is a prerequisite to all medical courses offered in the ROP. By the end of the course, the student will be able to identify, spell, pronounce and define root words, prefixes and suffixes common to medical careers. The student will also be able to use common abbreviations and appropriate reference materials.

#### **6936 MEDICAL CORE 1**

Course Length: Year

Credits: 10

Grade Level: 10-12

This course is designed for students seeking a career in the healthcare field. Three modules focus on an over view of the healthcare system, roles and responsibilities of health care workers, legal and ethical issues, communications skills, and cultural diversity. Healthcare language through the study of anatomy and physiology will be covered as well as career pathways and their educational requirements.

#### **6940 MEDICAL TRANSCRIPTION**

Course Length: Semester

Credits: 5

Grade Level: 11-12

Prerequisite: Medical Terminology

This course will provide entry-level skills necessary to become a medical transcriber. The student will be able to use equipment common to transcription; transcribe medical and specialty reports from dictation; proof and edit reports; use resources and references to clarify reports; and practice ethical and legal procedures related to transcription and patient care.

#### **6940 MEDICAL RECORDS SPECIALIST**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course prepares students to enter employment or to continue their training in the medical field. Students receive instruction in all aspects of maintaining medical records and filing systems, including how to transfer, release, purge, store, retrieve, and destroy records and files. The importance of confidentiality and ethical conduct is stressed. English language arts academic standards are reinforced throughout the course.

#### **6950 AUTO SPECIALIST**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course is designed to provide entry-level skills for employment in brake, alignment and chassis services. Concentration will be on theory of operation, diagnosis, service and repair of both drum and disc brake systems; steering and suspension systems; and wheel alignment procedures.

#### **6960 AUTOMOTIVE HEATING & AIR CONDITIONING**

Course Length: Year

Credits: 10

Grade Level: 11-12

Prerequisite: ASE Automotive Technology I

Student will learn theory and principles of heating and air conditioning systems. This course presents the fundamentals of climate control system operation and repair (including electronic temperature controls.) Compressor service and refrigerant recover/recycling will also be covered. Emphasis will be placed on the diagnosing of climate control system performance concerns through the use of industry approved test equipment.

#### **6970 COMPUTER NETWORK ADMINISTRATION**

Course Length: Year

Credits: 10

Grade Level: 11-12

Students will be able to install computers onto a network and perform basic level network administration including adding and deleting users, printers and CPU's. Network ethics and troubleshooting will be covered. The class will also teach the student to configure computers to work on various network environments. Proper configuration for modems, network cards, memory, sound and video cards, etc. will be covered. Students will be able to prepare for the CCNA test (CISCO Certified Network Associate test).

#### **6980 CUSTOMER SERVICE OCCUPATIONS**

Course Length: Year

Credits: 10

Grade Level: 10-12

This course provides students with skills and information needed to enter the world of work in the field of customer relations. Emphasis is placed on personal skills, team building, problem solving, effective communication and ethical behaviors.

#### **6951 NATEF ENGINE PERFORMANCE & ELECTRICAL**

Course Length: Year

Credits: 10

Grade Level: 10-12

This 360 hour course is designed to meet NATEF and AYES standards for engine performance and electrical systems. Students that successfully complete this course will be prepared for ASE Certification testing and should be able to obtain entry level employment or continue training at a post secondary educational institution.

#### **6952 NATEF ALIGNMENT, BRAKES & SUSPENSION**

Course Length: Year

Credits: 10

Grade Level: 10-12

This 360 hour course is designed to meet NATEF and AYES standards for alignment, brakes and suspension systems. Students that successfully complete this course will be prepared for ASE Certification testing and should be able to obtain entry level employment or continue training at a post secondary educational institution.

#### **6990 DIGITAL DESIGN**

Course Length: Year

Credits: 10

Grade Level: 10-12

This course will provide students with the skills to develop a broad perspective of art, design, communication theory, processes and tools and their applications in Multimedia Communications and Design. Students that achieve competency will have an opportunity for employment as multimedia artist/animator, graphic artist and cartoonist.

#### **7010 MICRO COMPUTER/COMPUTER REPAIR TECHNICIAN**

Course Length: Semester

Credits: 5

Grade Level: 11-12

This course is designed to prepare students for repair and maintenance of microcomputers. The class will include vocabulary, identification of computer components, basic troubleshooting, use of appropriate test equipment and software installation procedures.

Students will prepare for the A+ Certification test.

#### **7020 WEBSITE DESIGN**

Course Length: Year

Credits: 10

Grade Level: 11-12

This will provide students with the skills and knowledge necessary to create and publish a website and for employment in business, industry or government using website technology. Students will learn the history, terminology, design and development skills in basic html as well as software applications for website creation. Legal and ethical issues will also be addressed.

#### **7030 OFFICE OPERATIONS & TECHNOLOGY/PHASE I**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course is designed to prepare students to perform the basic clerical tasks needed to work in an office environment. Skills training will include document production, proofing and storage, communication techniques, business mathematics, mail processing and telephone techniques. Computers will be used throughout the course with particular emphasis on technology addressed in Phase 2, which may be taken independently or concurrently with this class.

#### **7040 OFFICE OPERATIONS & TECHNOLOGY/PHASE II**

Course Length: Year

Credits: 10

Grade Level: 11-12

This course is designed to prepare students to function in an office environment using a variety of computer programs common to a business operation. Training will include word processing, spreadsheet, database, and multimedia applications as well as use of the Internet. Computers will be used throughout the course which may be taken independently or concurrently with Phase I.

#### **7050 DIVERSIFIED OCCUPATIONS**

Course: Semester

Credits: 5

Grade Level: 11-12

This course is designed to provide assessment of career interests, job search and retention training and career research based upon individual interest. Instruction will also focus on skills necessary to succeed in most occupations. After basic training, students will select an occupational area of interest and serve an internship on the actual job site. Specific job skills will be identified and on-the-job instruction provided by a supervisor in the company in which the student is interning.

### **MIDDLE SCHOOL COURSES OF STUDY (7-8)**

#### *Applied Arts*

#### **0360 YEARBOOK/JOURNALISM**

Course Length: Year

Grade Level: 7-8

This is a class for self-starters and those with creative ideas. Students will produce the school newspaper and assist with the production, sales and distribution of the yearbook. Students will learn

to write articles, conduct interviews, create graphic designs, games and comic strips. This is an opportunity for students to work independently or in small groups to create yearbook and newspaper pages.

### **3405 CADET CORPS**

Course Length: Year

Grade Level: 7-8

This course provides instruction in the art of military science and helps develop leadership potential. Cadets learn research techniques, computer, and instructional skills that reinforce the math, science, and social studies concepts taught at their grade level.

### **6505 HOME ECONOMICS**

Course Length: Semester/Year

Grade Level: 7-8

Child Development: Students will learn basic safe baby-sitting techniques, prevention of accidents, communication, and discipline skills. Clothing: Students will learn to sew on a button, repair a buttonhole, and use basic mending techniques. They will learn how to select garments based on quality of construction. Students will learn basic use of the sewing machine, and complete a project. Clothing and Textiles: Students will learn basic sewing skills on machine to construct a wearable garment. They will be taught to select suitable fabrics for their project(s), as consumer buying is an important part of this unit. Each student will be responsible for his own materials. Food and Nutrition: Students will study basic nutrition and apply the knowledge to their own eating habits. Emphasis will be placed on cooking techniques, terms, measuring ingredients, use and care of equipment, teamwork in the kitchen, and reading a recipe. Cooperation in the foods lab will be stressed along with learning to manage class time. Basic etiquette and table manners will also be included.

### **7005 COMPUTER KEYBOARD**

Course Length: Semester

Grade Level: 7-8

This course is designed to bring the beginning student to the point of proficiency with touch-typing. The student will become familiar with other functions such as word processing, databases, spreadsheet, and basic programming. Students will be introduced to computer literacy vocabulary and copyright policies and laws, as appropriate. This course can produce marketable skills for the students who take the course seriously.

### **7160 COMPUTER LITERACY**

Course Length: Semester

Grade Level: 7-8

This course is designed to be a survey of the computer field and focuses on the hands-on skills needed to operate in a technological society. The emphasis is on computer basics, telecommunications, applications packages, and systems analysis and design.

### **7855 STRATEGIC THINKING**

Course Length: Semester

Grade Level: 7-8

In this course students will play a variety of strategic thinking games to improve their analytical and strategic thinking skills. By use of games, students will advance in spatial, numerical, and directional abilities, along with verbal aptitudes.

### **8770 GATEWAY TO TECHNOLOGY**

Course Length: Semester

Grade Level: 7-8

Students will design and build projects that teach the principles of motion, such as weight support and energy absorption. The curriculum's primary focus is on developing stronger Math, Science, and technology inquiry skills.

### **9160 LEADERSHIP**

Course Length: Year

Grade Level: 7-8

The student leadership course provides academic and practical training for students. Students plan, organize and maintain an effective co-curricular program designed to actively involve and serve the entire school community, promoting communication between administrators, faculty and students. Students will organize lunchtime activities and dances; learn public speaking, how to run a meeting, and discuss and approve expenditures. They will participate in community service, student store service, decoration, marquee maintenance and fundraisers.

### **9180 AVID**

Course Length: Semester

Grade Level: 7-8

Prerequisite: Interview, 2.0 or higher GPA

Advancement Via Individual Determination (AVID) provides a support system for students who want a chance at college. Students will focus on organizational skills, note-taking, test-taking tips, and writing-to-learn activities. AVID students will be enrolled in the most rigorous academic schedule; therefore, tutorials for their academic classes will be an integral part of the AVID program.

### **5605 MANUFACTURING TECH**

Course Length: Semester

Grade Level: 7-8

Introduces the principles of the manufacturing trades, including safety requirements of construction sites and equipment.

### **6300 VIDEO PRODUCTIONS**

Course Length: Year

Grade Level: 7-8

This class introduces students to the basics of video production, scriptwriting, production planning, camera techniques, sound, and video editing.

## *Fine Arts*

### **0375 THEATRICAL ARTS**

Course Length: Semester/Year

Grade Level: 7-8

Drama is primarily concerned with the preparation, organization, and production of dramatic works. Students receive instruction on an individual basis in methods of characterization, stage movement, and voice projection and have the opportunity to present productions to audiences composed of their peers as well as adults. Emphasis is on communication with an audience. Experience is gained from group discussion, radio broadcasting, and exploration of dramatic techniques and literature.

### **3905 ART**

Course Length: Semester

Grade Level: 7-8

Art classes provide instruction in fundamentals of design, color, drawing, sculpture, and crafts. Also incorporated is the history of Art with an emphasis on cultural heritage.

#### **4480 INTRODUCTION TO SPANISH**

Course Length: Year

Grade Level: 7-8

An elective exploratory course for students with little to no knowledge of Spanish. Emphasis will be placed upon practical vocabulary and development of verbal and written communication skills.

#### **4400 SPANISH I**

Course Length: Year

Grade Level: 7-8

Spanish I introduces students to basic structures of the Spanish language with emphasis on listening, speaking, reading, and writing. The course also delves into cultural similarities and differences between Spanish-speaking countries and the United States, including customs, work ethics, education, and leisure time activities.

#### **4460 SPANISH FOR SPANISH SPEAKERS**

Course Length: Year

Grade Level: 7-8

Prerequisite: Students must come from a home environment where Spanish is spoken and must be fluent Spanish speakers

This Spanish course is designed for students who already understand and speak Spanish, but who may not read or write the language. Students discuss Hispanic culture in the context of their own home cultures and the entire Hispanic world. Upon completion of the course, students should be able to read and write the language.

#### **4475 GENERAL CHOIR**

Course Length: Year

Grade Level: 7-8

This is a performance-based class in which students learn the basic skills of two-part singing and musicianship. These skills include singing and vocal production, note reading, musical style, history, and stage presence. Students are evaluated for daily participation in rehearsal, work and test scores in their theory folders, concert attendance, attitude and cooperation.

#### **4485 CONCERT CHOIR**

Course Length: Year

Grade Level: 7-8

Prerequisite: Audition

This is a performance-based class with admittance by audition and invitation by the choir teacher. Students will perform three or four part music with emphasis on music reading skills, vocal production and performance skills. Students are evaluated by written theory work, test scores, daily participation grades, concert attendance, attitude and cooperation.

#### **4495 ACAPELLA CHOIR**

Course Length: Year

Grade Level: 7-8

This is a performance-based class in which students learn the basic skills of two-part singing and musicianship. These skills include singing and vocal production, note reading, musical style, history and stage presence. Students are evaluated for daily participation in rehearsal, work and test scores in their theory folders, concert attendance, attitude and cooperation.

#### **4610 BEGINNING BAND**

Course Length: Year

Grade Level: 7-8

This is an entry-level class for students who have never played an instrument before. The class may also be taken by students who need to review the basics. Band members will be taught how to play an instrument and read music. Each student will be required to provide his/her own instrument and book and may choose from brass, woodwind, and percussion (as determined by the instructor). Students will perform in several concerts during the year.

#### **4565 INTERMEDIATE BAND**

Course Length: Year

Grade Level: 7-8

This class is designed for second year players who have finished a beginning band method book. They will continue to advance in their music reading and playing skills as they progress through the *Band Method Book II*. The students will be performing in several concerts during the year.

#### **4575 ADVANCED BAND**

Course Length: Year

Grade Level: 7-8

This is a class designed for the highest achieving band students at the middle/junior high level. Conscientious, hard- working band students must have completed at least one successful year of band. Students in this class will represent the school in most competitions, parades, and concerts and are encouraged to participate in the San Bernardino County Junior High School Honor Band auditions.

#### **4695 STRINGS**

Course Length: Year

Grade Level: 7-8

This class is designed for students who have played the violin, viola, cello or bass for at least one year. Students will continue to advance in their music reading and playing skills as they progress through a string method book. They will also work on string orchestra selections, as well as perform in several concerts.

#### **4700 STRING ORCHESTRA**

Course Length: Year

Grade Level: 7-8

This is a performance course for all string players from string bass to violin. Students perform in concerts and festivals throughout the year.

#### **4720 GUITAR**

Course Length: Year

Grade Level: 7-8

The course provides an opportunity to receive group and individual instruction emphasizing music reading and chords to develop a variety of playing styles. Previous music training is not required.

#### **4860 MUSICAL THEATRE**

Course Length: Year

Grade Level: 7-8

Musical Theatre will provide students with the opportunity to develop skills in acting and music. Music concepts to be covered include proper vocal production, diction and preparation of a musical audition. Drama concepts include staging, movement and blocking principles and choreography and plot construction.

**0099 DRUM CORPS**

Course Length: Year

Grade Level: 7-8

Students will learn rhythm for a variety of music styles.

**4598 MUSIC APPRECIATION**

Course Length: Semester

Grade Level: 7-8

Music Appreciation is an introduction to the ideas, values and practices human music making throughout history. This course will cover the elements of music, historical musical periods and major musical landmarks. Students will also acquire a basic working knowledge of musical notation and terminology.

*Language Arts and Reading***0115, 0135 LANGUAGE ARTS 7 & 8**

Course Length: Year

Grade Level: 7-8

Reading, writing, listening and speaking skills are developed in the context of a rich, substantive core curriculum that is geared toward achieving all standards and applying these Language Arts skills to achieve success in other curricular areas. Reading: Work Analysis, Fluency and Systematic Vocabulary Development, Reading Comprehension, Literary Response and Analysis. Writing: Writing Strategies, Writing Applications, Written and Oral English Language Conventions. Listening and Speaking: Listening and Speaking Strategies, Speaking Applications.

**0035,0032 READING 7 & 8**

Course Length: Year

Grade Level: 7-8

This course is a balanced, comprehensive reading program designed to improve reading ability to grade level. The following are components included in the program: Listening and Discussion, Phonics, Comprehension Strategies, Basic Writing Skills, Spelling, Test-Taking Skills, Oral Language, Oral and Silent Reading, Critical Thinking, Vocabulary Development, Organizational Skills.

**0320 LITERATURE/WRITING**

Course Length: Year

Grade Level: 7-8

Classic and contemporary novels and short stories are used to enrich students' writing and literary comprehension skills. Focus is on real life communication skill development such as persuasive speaking and writing.

**7850 CREATIVE WRITING**

Course Length: Year

Grade Level: 7-8

Students will learn how to write a short story, poetry, and a play employing outlines and diagrams. Students will also learn to develop plot lines, characters, settings, and conflicts, using the proper point of view, and their individual writer's "voice." Re-writing and editing will be stressed, as well as good grammar.

**0365 FICTION, FILM, AND WRITING**

Course Length: Year

Grade Level: 7-8

This creative writing course will explore movies and works of fiction.

**0380 SPEECH**

Course Length: Year

Grade Level: 7-8

Speech is an introduction to public speaking/debate.

**0385 SPEECH/DEBATE**

Course Length: Year

Grade Level: 7-8

Emphasis is placed on preparation for competitive speech/debate tournaments.

**0165 ACADEMIC LITERACY**

Course Length: Semester

Grade Level: 7

This course emphasizes the social-cognitive, interactive process of reading, particularly in the content areas. Students will learn good reading strategies and how to approach reading in a variety of texts.

**1205 ACADEMIC LITERACY/MATH**

Course Length: Semester

Grade Level: 7-8

This course is a support to student's Math class to help in the social-cognitive, interactive process of mathematic literacy. Students will learn a variety of strategies to assist in Math instruction.

**9160 ACADEMIC COMPOSITION**

Course Length: Semester

Grade Level: 7

This course emphasizes the social-cognitive, interactive process of writing, particularly in the content areas. Students will learn good composition strategies and how to approach writing in a variety of styles.

**7805 STUDY WORKSHOP**

Course Length: Year

Grade Level: 7-8

The Study Workshop is designed to encourage students to use time productively, complete homework assignments and effectively learn to use library and classroom resources (dictionaries, encyclopedias, atlases, newspapers, and a CD-ROM computer).

*Mathematics***1219 ALGEBRA ESSENTIALS**

Course Length: Year

Credits: 10

Grade Level: 7-8

Prerequisite: Algebra Readiness

This course will target key standards from Algebra I to help students who need a double Algebra class.

**1220 INTRODUCTION TO ALGEBRA**

Course Length: Year

Grade Level: 7-8

This course reviews basic arithmetic skills while introducing the concepts of algebra. Topics include properties of real numbers, operations on integers, solving equations with one variable, roots and powers, ratio and proportion, plane geometry, and graphing in the

coordinate plane. Emphasis is on problem solving.

### **1230 ALGEBRA I**

Course Length: Year

Grade Level: 7-8

Algebra I is a basic first-year algebra course. Content includes order of operations, integers, rational and irrational numbers, solving equations and inequalities with one and two variables, radicals, roots and rational expressions, the concept of a function, and graphing linear and quadratic functions in the coordinate plane. Emphasis is on applying algebraic concepts to problem solving.

### **1250 GEOMETRY**

Course Length: Year

Credits: 10

Grade Level: 8

Prerequisite: Algebra I, teacher recommendation

The Geometry course is designed to introduce the basic principles of geometry. Topics include basic geometric constructions with straight-edge and compass, points, planes, lines, theorems, postulates, congruence, similarity, triangles, inequalities, parallels, quadrilaterals, polygons, circles, coordinate geometry.

### *Physical Education*

### **4915 MODIFIED SPECIAL PHYSICAL EDUCATION**

Course Length: Year

Grade Level: 7-8

This course offers a modified special physical education program for students with special needs. Students must have an IEP to participate in this program. Activities are individualized through consultation with the local SELPA.

### **4935/4940 PHYSICAL EDUCATION 7 & 8**

Course Length: Year

Grade Level: 7-8

Students will participate in a comprehensive, sequentially planned program that is rich in content with emphasis on motor skills, knowledge, self and social values. Activities will include: Rhythm, Exercises, Team Sports, Movement, Endurance and Individual Sports.

### **2395 HEALTH**

Course Length: Year

Grade Level: 7

Health is a one semester class with units focused on goal setting and decision-making methods and conflict resolution, the harmful effects of alcohol, tobacco, and drug abuse and functions of the human body systems, diseases, and disorders. Puberty, human reproduction, STDs and HIV/AIDS will also be covered. Emphasis is placed on refusal skills for tobacco, alcohol, and drugs. Sexual abstinence is stressed. Units covered are: Decision Making, Body Systems, Nutrition, Reproduction, Communicable & Non-Communicable Diseases, Conflict Resolution, Fitness, Mental Health, Drugs Alcohol & Tobacco, HIV/Endocrine and Reproductive Systems.

### *Science*

### **2915 SCIENCE 7**

Course Length: Year

Grade Level: 7

This is an integrated course which focuses on Life Science but also includes components of Earth and Physical Sciences, using a variety of instructional methods. Laboratory techniques will be introduced while reinforcing reading, writing, and cooperative learning skills. Specific topics covered in the seventh grade include: Classification, Viruses & Bacteria, Geologic Time, Viruses, Nutrition, Characteristics of Life, Life Process of Plants, Vertebrates & Invertebrates, Rocks & Minerals, The Cell, Genetics, Comparing Animals and Body Systems.

### **2935 SCIENCE 8**

Course Length: Year

Grade Level: 8

This is an integrated course which focuses on Physical Science but also includes components of Earth and Life Sciences, using a variety of instructional methods. An emphasis will be placed on developing laboratory skills, critical thinking processes, and the scientific method. Specific topics covered in the eighth grade include: The Universe, The Elements, The Atom, Matter Energy & Motion, Heat, The Sun & Solar System, Energy & Society, Combining Elements, Machines & Power, Energy Alternatives, Carbon Compounds, Chemical Reactions, Forces, Nuclear Reactions and Waves.

### **7845 LAB ZONE**

Course Length: Year

Grade Level: 7-8

This course provides a hands-on experimentation and exploration of Life and Physical Science.

### *Social Studies*

### **1915 SOCIAL STUDIES 7**

Course Length: Year

Grade Level: 7

Students will appreciate and understand how ideas, events and individuals have produced change over periods of time. Lessons include: World Geography, Medieval & Early Modern Times, Links to the Ancient World, Growth of Islam, Sub-Saharan Africa, Asian Civilizations, Medieval Societies, Europe - 1300 to 1600, Civilizations of the Americas and Europe - 1600 to 1798.

### **1935 SOCIAL STUDIES 8**

Course Length: Year

Grade Level: 8

Students will appreciate and understand how ideas, events, and individuals have produced change over periods of time and have shaped our nation. Lessons include: U.S. Geography and Regional Development, U.S. History, Early Colonization, The American Revolution in review, Articles of Confederation, In-depth study of the Constitution, Early presidents, Expansion and the West, Civil War and Reconstruction, Industrialization and Reform Movements, Immigration and the Development of our Nation.

### *Special Education - Collaboration*

**7985 Language Arts**

**8140 Mathematics**

**8280 Social Studies**

Course Length: Year

**8060 Reading**

**8180 Science**



Grade Level: 7-8

For the more advanced and responsible Resource Specialist Program (RSP) students whose goal it is to enter regular education classes, we offer enrollment in a regular seventh or eighth grade class, which is team-taught by the content classroom teacher and the resource specialist. Collaboration is offered in all seventh and eighth grade classes in at least one section per day. Modifications are sometimes implemented to assist RSP students to be successful in these classes.

### *Honors Courses*

<b>0125 Language Arts 7</b>	<b>0145 Language Arts 8</b>
<b>2925 Science 7</b>	<b>2945 Science 8</b>
<b>1925 Social Studies 7</b>	<b>1945 Social Studies 8</b>
<b>0022 Intro Algebra 7</b>	

Course Length: Year

Grade Level: 7-8

The above are accelerated core curricula to prepare students for honors and advanced placement classes at the high school. Assignments and projects in each of these classes will stress these higher-level thinking skills: application, analysis, synthesis and evaluation.

### *Excel*

<b>0042-44 Language Arts</b>	<b>0045-47 Reading</b>
<b>0026-27 Mathematics</b>	<b>0016-17 Science</b>
<b>0028-29 Social Studies</b>	<b>7800 Skillbuilders</b>

Course Length: Year

Grade Level: 7-8

The goal of these courses is to equip students with tools that will enable them to develop their core academic skills.

### *Special Education*

#### **7975 R LANGUAGE ARTS**

Course Length: Year

Grade Level: 7-8

Instruction focuses on the mastery of the English language, including correct usage of grammar, spelling, punctuation and capitalization through listening, speaking, reading and writing. Literature appreciation is emphasized via the use of seventh and eighth grade literature textbooks and novels. Focus is on vocabulary enhancement, word processing and the various stages of the writing process.

#### **8055 R READING**

Course Length: Year

Grade Level: 7-8

Focus is placed on the ability to learn a variety of reading comprehension strategies through independent reading programs tailored to individual interests and needs. Students will develop library research skills and participate in Reader's Theatre activities.

#### **8075 R MATHEMATICS**

Course Length: Year

Grade Level: 7-8

Mathematics instruction for special education students is planned to meet the individual needs of students. Group work is also used to

address the State Framework for mathematics. Students are also instructed in the use of the hand calculator. Focus is on basic operations of whole numbers, fractions, decimal numbers, measurements, graphing and the application of these mathematical processes.

#### **8200 R SCIENCE**

Course Length: Year

Grade Level: 7-8

A variety of science topics will be studied throughout the year. The scientific method will be taught. Students will participate in many hands-on experiments, which give students opportunities to observe and record data and to organize and interpret information.

#### **8275 R SOCIAL STUDIES**

Course Length: Year

Grade Level: 7-8

World History and geography skills are the focus of seventh grade social studies. United States history and geography are the focus of the eighth grade social studies classes. These courses correlate in content with the district adopted program and the State Framework for Social Studies. Teachers choose from a variety of materials to enhance understanding of the core contents while adapting the curriculum to meet the needs of special education students.

#### **R STUDY SKILLS**

Course Length: Year

Grade Level: 7-8

Study Skills is designed to help students be successful in their mainstreamed classes by providing time for students to complete homework assignments with or without assistance from RSP staff. Skills taught include: organization, writing reports, note-taking, test-taking, and silent reading.

### *Special Education*

#### **8495 S LANGUAGE ARTS**

Course Length: Year

Grade Level: 7-8

Students learn to focus on listening, speaking, reading and writing. Daily journal assignments are given throughout the year. Weekly spelling lists are taken from the top five hundred high frequency words for secondary students. Grammar, including capitalization, punctuation, parts of speech, sentence structure, etc., is taught. On a daily basis, students read books of high interest with adapted vocabulary. Focus is placed upon classic novels, which incorporate vocabulary and comprehension skills. Instruction is also given in the use of reference materials.

#### **8510 S READING**

Course Length: Year

Grade Level: 7-8

Auditory Depth Disorder (ADD) whole language and phonetic skills are emphasized to increase reading fluency and comprehension.

#### **8600 S MATHEMATICS**

Course Length: Year

Grade Level: 7-8

This course meets individual goals and needs with focus on review of

addition, subtraction, time and mathematical symbols, multiplication, division, fractions, decimals, graphing, rounding, estimating, and use of calculators.

### **8700 S SCIENCE**

Course Length: Year

Grade Level: 7-8

A variety of science topics will be studied throughout the year. The scientific method will be taught. Students will participate in many hands-on experiments, which allow the opportunity to observe and record data and to organize and interpret information.

### **S EXPLORATORY/WOKABILITY**

Course Length: Year

Grade Level: 7-8

This is an exploratory class developed specifically for special day students exposing them to introductory vocational, career and study skills.

### *Opportunity*

### **0155 OPPORTUNITY LANGUAGE ARTS**

Course Length: Year

Grade Level: 7-8

This course is designed to help develop positive behaviors and attitudes toward school and improve school attendance. The Language Arts Program is designed to help students improve upon their reading, writing, listening, and speaking skills. The content is the same as the regular language arts curriculum.

### **0030 OPPORTUNITY READING**

Course Length: Year

Grade Level: 7-8

Students improve upon reading skills appropriate for their grade level, working at their current level of ability. The content is the same as the regular Reading class for the grade level.

### **1155 OPPORTUNITY MATHEMATICS**

Course Length: Year

Grade Level: 7-8

This course presents fundamental concepts and skills required in today's society. The student will learn basic operations and apply them appropriately. Units include decimals, connecting arithmetic and algebra, measurement, fractions, problem solving, integers and equations, introduction to algebra, and mathematics as reasoning. The content is the same as the regular Math curriculum.

### **1959 OPPORTUNITY SOCIAL STUDIES**

Course Length: Year

Grade Level: 7-8

Students will appreciate and understand how ideas, events, and individuals have produced change over periods of time and have shaped our nation. The content is the same as the regular 7<sup>th</sup> and 8<sup>th</sup> grade social studies curriculum.

### **2955 OPPORTUNITY SCIENCE**

Course Length: Year

Grade Level: 7-8

This is an activity-based integrated course covering earth, life, and the physical sciences using a variety of instructional methods. Emphasis is placed on developing laboratory skills, critical thinking

processes, and the scientific method. The content is the same as the regular Science curriculum.

### *Non-Departmental/Interdepartmental*

### **3920 STEM STUDIES**

Course Length: Semester

Grade Level: 7-8

Students will identify and understand the interrelationships of Science, Technology, Engineering, and Mathematics (STEM). Students will design and build STEM related projects and be exposed to issues that impact society. Students will explore STEM related careers. Class may be repeated.

### **9010-80 OFFICE AIDE**

Course Length: Year

Grade Level: 8

This is an exploratory program designed to acquaint students with the activities and skills needed in a professional business setting. Students will perform duties while becoming aware of the variety of tasks that are a part of any business. Supervision will be performed by the classified person working with the student aide, and an administrator.

**9010 ASB AIDE**

**9050 ATTENDANCE**

**9080 RECORDS OFFICE**

**9030 LIBRARY OFFICE AIDE**

**9060 ADMINISTRATIVE OFFICE**

**9020 COUNSELING AIDE**

### **9000 TEACHER AIDE**

Course Length: Year

Grade Level: 8

This course designation is used for students who wish to aid teachers in the mechanical duties of classroom management and record keeping. Students will at all times attend their assigned class.

### **9330 SERVICE LEARNING**

Course Length: Year

Grade Level: 7-8

Prerequisite: Counselor/administrative approval and supervision  
Students assess community needs and resources while preparing an integrated design for service using critical thinking and communication skills. Approval of faculty and business/civic leaders will precede implementation. Final assessment may include surveys, graphs, interviews, reports, and/or portfolios.