

**PALO ALTO UNIFIED SCHOOL DISTRICT**

**2004-2005**



**GUNN HIGH SCHOOL**

**COURSE CATALOG**

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## Important Information for All Students

Students who take courses for credit outside Gunn High School (for example, through approved foreign language schools or community colleges) should be aware that a maximum of 40 units can be counted toward a high school diploma.

Students wishing to take community college courses must first obtain the written permission of their Guidance Counselors or the Assistant Principal for Guidance. Permission to take community college courses in core classes required for graduation from high school for high school credit will only be given in exceptional circumstances. Students may take any course of their choosing for college credit.

Students wishing to drop courses in which they are enrolled must complete a petition which requires parent and teacher signatures and hand the completed petition to their guidance counselors so that the changes can be entered into the computer system. No course is dropped until this requirement has been met. Petitions can be obtained from the Guidance Office.

A student wishing to drop a course in which s/he is enrolled and not have it appear on his/her transcript, must do so by the date indicated on the academic calendar that is included in the student handbook. This date is usually set as the Friday before the second warning period of the semester ends.

### **COURSES WHICH MAY BE REPEATED ANY NUMBER OF TIMES FOR CREDIT ARE:**

<u>Art</u>	<u>Music/Drama</u>	<u>PE</u>	<u>Career/ Vocational Ed.</u>	<u>Other</u>
Drawing/Painting	Concert Band	Physical Ed	Computer Applications	Work Experience
Graphic Design	Symphonic Band	Adaptive PE	Web Page Design	Exploratory Experience
Ceramics,	Jazz Ensemble	Dance	Fiber Arts	School Service
Sculpture	Wind Ensemble		Auto	Teacher Assistant
Yearbook	Orchestra		ROP classes	English Language
Advanced Photo	Concert Choir		Engineering Technology	Development classes
3D Design	Advanced Vocal			Study Skills
	Stage Tech			Focus on Success
	Theater 3/4			AVID
	Video Production			

**PLEASE NOTE: Certain course offerings or programs by their nature may put students in situations in which serious accidents could occur. These courses/programs include, but are not limited to, chemistry, wood and metal courses, stage technology, home economic courses, physical education courses, and athletics. Parents may wish to discuss the accident potential of courses/programs with staff members before approving student enrollment.**

## **Expected Schoolwide Learning Results (ESLRs)**

To achieve our mission, the Board of Education has adopted the following competencies as the basis of what we expect our students to know and be able to do when they are graduated from PAUSD:

### **ESLRs to be measured by report card grades:**

1. Demonstrate knowledge of key concepts, principles, processes, facts, and skills in the disciplines of language arts, history-social science, mathematics, science, physical education, visual and performing arts, foreign language, career-vocational education, and health/practical living skills.

### **ESLRS to be measured by the rubrics:**

2. Effective communication through listening, speaking, and writing
3. Strong research skills
4. Ability to integrate knowledge among disciplines
5. Reading with understanding
6. Critical and creative thinking to solve problems
7. Effective use of technology

### **ESLRs**

The ESLRs addressed by each course are indicated for each department. Most departments indicate the ESLRs addressed following each course description. The numbers correspond with the numbers indicated above.

### **Homework Expectations**

To assist students in making appropriate choices for the coming school year, the numbers of hours of work expected of students outside of class time is indicated below each course description or, in some cases, at the start of course descriptions for each department.

# **GRADUATION REQUIREMENTS**

Students are required to have a minimum of 210 semester credits for graduation. Ten credits are granted for successfully completing a course that meets each day for a school year; five credits are granted for a semester course. In addition, all students must pass the District's Competency Examinations.

## **SUBJECT REQUIREMENTS:**

	<b><u>Credits</u></b>	
<b>Arts, Visual and Performing</b>	<b>10</b>	Credits in Art, Music, Dance, Photography, or Theatre will satisfy this course requirement.
<b>Career/Vocational Education</b>	<b>10</b>	Credits in Business, Home Economics, Industrial Technology, Work Experience, Exploratory Experience, and Regional Occupation Programs will satisfy this requirement. Certain courses offered by other departments will also satisfy the requirement. (see pages 18-20 COURSES OFFERED BY OTHER DEPARTMENTS THAT MAY BE TAKEN FOR CAREER/VOCATIONAL ED. CREDIT.)
<b>English</b>	<b>35</b>	
<b>Living Skills *</b>	<b>5</b>	* This requirement is incorporated into courses in P.E., English, Science, and Social Studies. Student portfolios will serve as evidence of study.
<b>Mathematics</b>	<b>20</b>	Including 1 year of Algebra or its equivalent.
<b>Physical Education</b>	<b>20</b>	
<b>Science</b>	<b>20</b>	Ten credits in Physical Science; 10 credits in Biology.
<b>Social Studies</b>	<b>40</b>	Including 10 units of World History, 10 units of U.S. History, 5 units of Government, 5 units of Contemporary World History, 5 units of Economics, and 5 units of Social Studies electives.

Beginning with the class of 2006, students must also pass the California High School Exit Examination to receive a high school diploma.

# **ENTRANCE REQUIREMENTS**

## **UNIVERSITY OF CALIFORNIA**

Subject requirements to any campus of the University are the same and include the following:

- a) U.S. HISTORY / U.S. GOVT. .... 1 yr.
- a) WORLD HISTORY ..... 1 yr.
- b) ENGLISH ..... 4 yrs.
- c) MATHEMATICS ..... 3 yrs. (through Algebra 2) ..... 3 yrs.
- d) LAB SCIENCE ..... (Biology, Chemistry, Physics) ..... 2 yrs.
- e) FOREIGN LANGUAGE ..... 2 yrs. of same language ..... 2 yrs.
- f) Two years of college prep electives chosen from the following areas: ..... 2 yrs.  
VISUAL PERFORMING ARTS..... 1 yr.
- g) COLLEGE PREP ELECTIVES chosen from the following areas: ..... 1 yr.  
History, Social Science, English, Advanced Mathematics, Laboratory Science, or third year of Foreign Language.

All courses must be completed with a grade of C or better. These are minimum requirements.

## **CALIFORNIA STATE UNIVERSITIES**

- U.S. HISTORY / SOCIAL SCIENCE. .... 2 years
- ENGLISH ..... 4 years
- MATHEMATICS ..... 3 years (through Algebra 2)
- FOREIGN LANGUAGE ..... 2 years of the same language
- VISUAL/PERFORMING ARTS ..... 1 year
- SCIENCE ..... 2 years (1 biological) (1 physical)
- COLLEGE PREP ELECTIVE chosen from subjects as:..... 1 year  
English, History, Advanced Math, Lab Science, Visual or Performing Arts and other fields.

All courses must be completed with a grade of C or better.

Explanation of Grading/Marking Systems:					
A	Excellent	B	Above Average	C	Average
D or P	Passing	F	Failing	NM	No Mark
				I	Incomplete

### UNIVERSITY OF CALIFORNIA

#### **a-HISTORY**

American Studies (allow 1 unit)  
College U.S. History (AP)  
 Contemporary World II  
 Contemporary World History DHH  
 Contemporary World History LD  
 Far East History II  
 U.S. Government  
 U.S. Government DHH  
 U.S. Government LD  
 U.S. History  
 U.S. History DHH  
 U.S. History LD  
 World History  
 World History DHH  
 World History LD

#### **b-ENGLISH**

American Classics II (H)  
 American Dream  
 American Studies (allow 1 unit)  
 Basic College Skills  
 British Literature  
College English (AP)  
 Communication  
 Communication A  
 Contemporary Heritage  
 Contemporary Writers  
 Dramatic Literature (alternate years)  
 English LD 28 (maximum 1 unit with other English ESL courses)  
English Masters II (H)  
 Escape Literature  
 Facing Hist & Ourselves- (Through Film & Literature)  
 Fantasy  
 Fiction  
 Film Literature  
 Intermediate Composition  
 Literary Style  
 Philosophy through Literature  
 Multicultural Literature  
 Mythology

#### **f-VISUAL/PERFORMING ARTS**

Advanced Photo  
 Advanced Vocal

Shakespeare  
 Steinbeck/Hemingway  
 Victorian Novel  
 Women Writers  
 English World Culture  
 English World Tradition  
 Writer's Craft  
 Writers Voice

#### **c-MATHEMATICS (\*may only be used for the 'c' requirement)**

Advanced Math  
 \*Algebra 1  
 \*Algebra 1A  
 \*Algebra 2  
 \*Algebra 2/Trigonometry (H)  
Analysis (H)  
Calculus AB & BC (AP)  
 \*Geometry  
 \*Geometry A  
 \*Geometry/Algebra 2A  
 Pre-Calculus  
 Pre-Calculus A  
Statistics (AP)  
 Trigonometry/Anlt (H)

#### **d-LABORATORY SCIENCE**

Biology 1  
 Biology 1A  
 Biotechnology  
Chemistry 1 (H)  
 Chemistry 1  
College Biology (AP)  
College Physics C (AP)  
 Physics 1  
 Physics 1A

#### **e-FOREIGN LANGUAGE**

French 1  
 French 2  
 French 3  
 French 4  
French 4 AP)  
 French 5  
French 5 (AP)  
 French 6  
French 6 (AP)  
 German 1  
 German 2  
 German 3  
 German 4  
German 4 (AP)  
 German 5  
German 5 (AP)  
 German 6  
German 6 (AP)  
 Japanese 1  
 Japanese 2  
 Japanese 3  
 Japanese 4  
Japanese 4 (H)  
 Japanese 5  
Japanese 5 (H)  
 Spanish 1  
 Spanish 2  
 Spanish 3  
 Spanish 4  
Spanish 4 (AP)  
 Spanish 5  
Spanish 5 (AP)  
 Spanish 6  
Spanish 6 (AP)  
 Spanish for Spanish Speakers 1  
 Spanish for Spanish Speakers 2

Concert Choir  
 Design: 3 Dimensional

Symphonic Band  
 Theatre 1

Art History  
Art History (AP)  
Art Spectrum  
Beginning Photography  
Ceramics and Sculpture  
Concert Band

Graphic Design  
Jazz Ensemble  
Music Theory (AP)  
Orchestra  
Drawing and Painting  
Studio Art (AP)

Theatre 2  
Theatre 3  
Theatre 4  
Treble Choir  
Wind Ensemble

**g-ELECTIVE COURSES (All courses listed under a-e with the exception of \*math courses, plus the following:**

Advanced Journalism  
African-American History  
Astronomy  
Chemistry 1  
Cold War  
Programming Concepts (Comp Sci 1)  
Computer Science (AP)

Economics AP Micro  
Economics AP Macro  
Economics II  
Engineering Technology  
Ethnic Studies  
Holocaust

Programming using JAVA  
(Comp Sci 2)  
Journalism  
Physics 1A  
Psychology (AP)  
Psychology II  
Science 1  
Science 1 AC



**Advanced Drawing & Painting**

**6344 ADV DR/PT Year 11-12**

Course Preparation: Successful completing one full year of Drawing/Painting 1 and approval of instructor.

This course can be used to fulfill the Visual and Performing Arts requirement for the U.C. and C.S.U. systems. This course can be repeated for two years with credit.

Students who select the Advanced Drawing & Painting course will be given assignments in a "Portfolio Preparation" program. The focus of this work in drawing, painting, and printmaking, will be on the review and refinement of technical skills with a major emphasis on developing personal and creative work with a conceptual focus. To successfully complete this advanced course students will be expected to understand and creatively use pencil, charcoal, pastel, colored pencil, acrylic paints, and develop a basic knowledge of printing processes. Students will be expected to actively participate in group discussions, self-assessments, research and critiques. Historical and cultural referencing is integrated into each unit of study. Oral and written reports are required.

- **Senior Project:** Students have the option to use the work produced as the focus of a senior project. Prior approval and additional requirements from the instructor is required.

**District ESLRs addressed in this course.**

- ESLRS: 1, 4, 6
- Homework estimate: 3 hours per week on average

**Studio Art AP**

**6459 ART STUDIOAP Year 11-12**

Course Preparation: Successful completion one full year of Drawing/Painting 1 and approval of instructor.

This course can be used to fulfill the visual and Performing Arts requirement for the U.C and C.S.U. systems. This course can be repeated for two years with credit.

The Studio Art Portfolio consists of 3 sections, the Drawing Portfolio (drawing, painting, printmaking, mixed media), the 2-D Design Portfolio (graphic design, printmaking, photography, jewelry, digital art, etc.) and the 3-D Design Portfolio (sculpture, architectural models, apparel, ceramics, fiber arts, metal work, etc.). Students who enroll in the AP Studio Art course must first successfully complete a review of their current portfolio with the appropriate instructor for assessment. If the quality and quantity of work in their portfolio reflects the necessary preparation, the student will proceed to complete the required works that reflect first-year college-level standards. Approximately 30 AP pieces are required for the portfolio and should reflect these areas of concern: quality, concentration, and breadth. These works produced, including written commentary, must be completed, photographed, and shipped for evaluation by the first week of May.

- **Senior Project:** Students have the option to use the work produced as the focus of a senior project. Prior approval and additional requirements from the instructor is required.

**District ESLRs addressed in this course.**

- ESLRS: 1, 4, 6
- Homework estimate: 4 hours per week on average (This depends greatly on how many art pieces the student brings to the AP course from their portfolio. It is recommended that students have at least 12 completed pieces for the breadth portion).

**Graphic Design, Computer Arts**

**\*6262 GRAPH DES Year 10-12**

Course Preparation: Art Spectrum, two semesters or equivalent

This course can be used to fulfill the Visual and Performing Arts requirement for the U.C. and C.S.U. systems. This course can be repeated for credit for three years.



As a result of this study, students will be able to appreciate the principles of 3-D design and make informed judgments about materials, techniques, and well-designed consumer products. There is one gallery/museum visit required per student per semester.

- **Senior Project.** Students who are taking this course for a second year have the option to use the work produced as the focus of a senior project. Prior approval from the instructor is required.

**District ESLRs addressed in this course:**

- ESLRs: 1, 4, 6
- Homework expectation: Less than half an hour per week depending on the particular project, degree of involvement and point in the curriculum.

**Ceramics, Sculpture**

**\*6246 CER / SCUL Year 10-12**

Course Preparation: Art Spectrum or equivalent, or teacher approval.

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems. This course can be repeated for credit for three years. Second and third year students have the option of working toward A.P. studio credit.

This course provides experience in the study of ceramics and sculptural media. In clay, students explore hand, wheel, and glazing techniques. The ceramics curriculum includes production methods as well as historical, cultural, and aesthetic aspects of clay working. The sculpture curriculum includes work in clay, wood, metal, stone, and/or plaster.

As a result of taking this course, students will be able to create works of art that reflect an understanding of the elements of art and design. They will be able to appreciate and discuss the artistic accomplishments of various cultures, past and present, using vocabulary appropriate to artistic pursuit. Critiques and museum/gallery visits are an expected part of the curriculum.

- **Senior Project.** Students who are taking this course for a second year have the option to use the work produced as the focus of a senior project. Prior approval from the instructor is required.

**District ESLRs addressed in this course:**

- ESLRs: 1, 4, 6
- Homework expectation: Less than 1 hour per week depending on the particular project, degree of involvement and point in the curriculum.

**Photography**

**6150 PHOTO 1 Year 10-12**

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.

Students are taught camera operation, film processing, composition and design principles, proper and safe use of photographic chemicals and equipment, the making of photographic prints and enlargements, mounting and display of finished work, and related terminology and techniques. Other assignments may include pinhole camera, strobe, and studio lighting, portraiture use and selection of lenses, medium-format cameras. The curriculum will provide learning experiences which include the historical aspects of photography through the use of slides, film, and videos.

Students will gain confidence in their abilities to create original compositions. Successful work will need to demonstrate technical proficiency and creative expressions. Through writing and discussions, students will need to demonstrate aesthetic perception, valuing, and an understanding of historical and cultural aspects of the medium.

**District ESLRs addressed in this course:**

- ESLRs: 1, 6, 7
- Homework estimate: 1 hour per week on average

**Advanced Photography**

**\*6158 ADV PHOTO                      Year                      10-12**

Required Course Preparation: BEGINNING PHOTOGRAPHY or instructor approval.

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.

This course builds on the skills taught in the PHOTO I class. Assigned work throughout the course will emphasize the technical as well as emotional, expressive and non-verbal communicative nature of the photographic medium. Students will master advanced skills in the use of small, medium, and large format cameras, portable and studio lighting techniques, and expand their knowledge of darkroom processes to include contrast control, black and white filters, dodging and burning printing techniques, and advanced film exposure and developing methods, as well as digital photography.

This course satisfies either the Fine Arts or Career/Vocational Education Programs requirement and may be repeated for credit upon recommendation of the instructor.

Students who successfully complete this course will be able to demonstrate mastery of the advanced skills described above and expand understanding of current and historical directions in photography through completed works, assigned written reviews of exhibits and class critiques.

- **Senior Project.** Students who are taking this course for a second year have the option to use the work produced as the focus of a senior project. Prior approval from the instructor is required.

**District ESLRs addressed in this course:**

- ESLRs: 1, 6, 7
- Homework estimate: 2 hours per week on average

**Art History**

**6241 ARTHIST 11                      Fall Semester                      10-12**  
**6242 ARTHIST 12                      Spring Semester                      10-12**  
**6249 ART HISTAP                      Year                      11-12**

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems. It can be taken for A.P. credit through enrollment for the full year and completion of all additional AP course work.

The great lives and trends of the history of art are surveyed in chronological sequence, together with an examination of art as a reflection of other historical events. First semester consists of a study of art from prehistory through the Renaissance. The second semester is a study of art from mannerism to the present. The arts of non-Western cultures are also studied for appreciation of their unique qualities. Class activities include films, slides, museum visits, lectures and related reading.

Students who successfully complete this course will need to demonstrate an understanding of Art History chronology, and how different cultures have aesthetically perceived artistic expressions. They will also need to show expanded ability to make aesthetic judgments about content, techniques, forms, and purposes of art, historically.

- **Senior Project.** Students may choose to do this course for a second year as a senior project.

One semester of social studies credit may be granted for this course, and it may also be taken as an advanced placement course. (See requirements on page 1.)

Evidence provided for completion of the following ESLRs:

- ESLRs: 1, 2, 3, 4, 5, 6
- Homework estimate: Art History AP, 3 hours per week; Art History 11 & 12, 2 hours per week

\* **Denotes a course which may provide an opportunity to satisfy the senior project graduation requirement.**

## **MUSIC**

<b>7010</b>	<b><u>Concert Band</u> BAND</b>	<b>Year</b>	<b>9 only</b>
	Suggested Course Preparation: At least one year of instruction on a band instrument, and one year's experience performing in an ensemble.		
	This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.		
	The Concert Band is an intermediate ensemble open to students with some instrumental background who wish to be a part of a quality performing group. There will be a strong emphasis on instrumental techniques and music fundamentals taught through performance. As a result of participation in this class, the student will be ready to audition for more advanced ensembles.		
	The Concert Band is an ensemble committed to a high level of study and performances of standard and contemporary large band repertoire. This ensemble provides the students with the opportunity to study and perform outstanding band literature from the renaissance to the present.		
	Attendance at all performances is mandatory. Performance opportunities include Fall, Winter and Spring Concerts, district/area festivals, solo/ensembles, feeder school concerts and graduation. There are also opportunities for individuals to audition for other ensembles: Jazz Band, All-State Honor Band, and the Santa Clara County Honor Band.		
	<b>The following outcomes/ESLRs can be addressed through this course:</b>		
	<ul style="list-style-type: none"><li>• ESLRs: 1, 2, 4, 6</li><li>• Out of class/homework time: 90-120 minutes per week outside of class practice</li></ul>		
	Both performance and written assessments will be included in the curriculum.		
<b>7013</b>	<b><u>Symphonic Band</u> SYMPH BAND</b>	<b>Year</b>	<b>10-12</b>
	This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.		
	Suggested Course Preparation: At least two years of instruction on a band instrument, and at least one years experience performing in an ensemble. Teacher approval required.		
	The Symphonic Band is an advanced ensemble open to students with a strong instrumental background who wish to be part of a quality performing group. There will be a strong emphasis on performance techniques and developing a repertoire of the finest literature for performances. As a result of this experience, the student will be able to better express themselves creatively, and they will have a knowledge and appreciation of music history. Both performance and written assessments will be included in the curriculum.		
	The Symphonic Band is an ensemble committed to a high level of study and performances of standard and contemporary large band repertoire. This ensemble provides the students with the opportunity to study and perform outstanding band literature from the renaissance to the present.		
	Attendance at all performances is mandatory. Performance opportunities include Fall, Winter and Spring Concerts, district/area festivals, solo/ensemble, feeder school concerts, and graduation. There are also opportunities for individuals to audition for other ensembles: Jazz Band, All-State Honor Band, and the Santa Clara County Honor Band.		
	<b>The following outcomes/ESLRs can be addressed through this course:</b>		
	<ul style="list-style-type: none"><li>• ESLRs: 1, 2, 4, 6</li><li>• Out of class/homework time: 90-120 minutes per week outside of class practice</li></ul>		
	Both performance and written assessments will be included in the curriculum.		







**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 4, 5, 6
- Homework estimate: 20-45 minutes a night depending on the students musical background before entering the course

## **THEATRE**

### **Theatre 1**

**1070 THEATRE 1 Year 9-12**

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.

Theatre 1 provides an introduction to theatre as a discipline and art form. Through theatre games and improvisation exercises, students will develop confidence, trust, and voice and movement skills. As they give and receive criticism on performances in and outside of class, students will apply evaluative criteria and appreciate excellence in performance. By studying theatre as an expression of both history and culture, students will explore the way in which theatre affects and is affected by its societal context.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 6
- Minimal homework

### **Theatre 2**

**1073 THEATRE 2 Year 10-12**

Required Course Preparation: Theatre 1.

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.

Theatre 2 is designed for the intermediate student who wants to build upon the skills learned in Theatre 1. Through play analysis, scenework, and one-act play preparation and performance, students will build believable characters, apply basic technical theatre skills, develop directing skills, and work effectively in an ensemble. Students will develop audition material suitable for professional use. Students will trace the historical development of theatre through research, performance, and attendance of theatrical productions.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 4, 5, 6
- Homework estimate: 15 minutes per night

### **Theatre 3**

**\*1076 THEATRE 3 Year 11-12**

Suggested Course Preparation: Theatre 2 and permission of instructor.

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.

Theatre 3 is designed to build upon the skills learned in Theatre 1 and 2. Through participation in in-depth projects, students will apply directing, acting, technical, and dramaturgical skills. During these projects, they will write and adapt scripts and research societal contexts. By exploring different theatrical genres, students will evaluate and appreciate a variety of production styles including non-Western and non-traditional theatre.

- **Senior Project.** Students who are selected to produce and direct a one-act production in the spring may have the option to use this as the focus for a senior project. Prior approval from the instructor is required.



**Video Production**

**1033 VIDEO PROD Semester 11-12**

In this semester course students will explore the basics of filmmaking, learning the grammar of visual media. We will study the work of several accomplished directors to ascertain the difference between a home movie and a piece of effective filmmaking. Students will develop project treatments, develop storyboards, write and rewrite shooting scripts, and learn to record and edit projects digitally. The best projects will be exhibited publicly several times during the semester.

This course satisfies the Visual/Performing Arts requirement, and subject "f" requirement for University of California and the Career Vocational Education graduation requirement.

- ESLRs: 1, 2, 4, 6, 7
- Homework estimate: Minimal homework

**Dance**

**2710 DANCE 1 Semester 10-12**

**2731 DANCE 1 Year 10-12**

This course can be used to fulfill the Visual and Performing Arts or the Physical Education requirement for graduation. It can also be used to fulfill the Visual and Performing Arts requirement for entry into the UC or CSU system if taken for a full year. This is a beginning level survey course exploring basic techniques, concepts, and history in dance. The curriculum includes a variety of dance styles. Students will work on basic jazz, modern, and ballet technique. Guest artists, teachers, and students may present workshops in social dance, tap, world dance, improvisational movement, hip-hop, or other dance forms as well.

As a part of the choreographic unit of the class, students will improvise in groups, utilizing the three elements of dance; space, time, and energy. After each unit they will choreograph a composition utilizing these concepts, and at the end of the semester will present their own choreography, as well as the dances they learned during the semester, in a mandatory performance.

**District ESLRs addressed in this course:**

- ESLRs: 1, 4, 6
- Homework estimate: No homework but students may put in hours outside class before performances.

# **CAREER—VOCATIONAL EDUCATION PROGRAMS**

## **(APPLIED ACADEMICS)**

### **BUSINESS**

#### **Criminal and Civil Law (formerly called Business Law)**

**4540 CR/CIVLAW Semester 9-12**

This is a very exciting class that will challenge your perspective of law and punishment as we explore controversial cases and issues. Criminal and Civil Law examines the crime and punishment of criminals as well as the civil consequences faced after a crime.

Criminal and Civil Law class also examines torts, individual rights and liberties, contract law and juvenile law.

A field trip to criminal law will occur and there will be guest speakers such as lawyers, a police officer, among others.

- ESLRs: 1, 2, 3, 4, 5, 6
- Homework estimate: 2 hours per week

#### **Law 1**

**4541 LAW 1 Year 11-12**

Law 1 is an academic course designed for students wishing to study a comprehensive perspective of our legal system. In this exciting course, students will learn about the legal System, Criminal Law, Juvenile Justice, Torts, Family Law, Individual Rights, Freedom of Speech, Freedom of Press, and other inalienable rights. Students will also study Case Law, review local statutes, and examine legal periodicals.

A project will be required of students to choose a legal problem or case and propose a disposition as to how they would defend this problem.

There will be a field trip in the course as well as guest speakers.

#### **The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 4, 5, 6
- Homework: 2 hours per week

#### **Introduction to Business Communication**

**5081 INTBUSCOMM Semester 11-12**

Three significant things that industry looks for in potential employees are communication skills, team building skills, and problem solving skills. In Introduction to Business Communication the student will be taught practical work skills in this era when team efforts are the name of the game at many corporations. During this one semester class students will learn how to understand basic personality types, how to listen better, how to mediate conflict, how to structure and function in a team and how to solve problems systematically. During the final month of the course, students will tackle a significant school problem, develop a plan to address it and present their recommendations to the administration. Although this course is designed to better prepare students for the business world, it has broad application in other areas, such as dealing with conflicts and problems with families and friends.

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Homework: 2 hours per week

#### **Computer Applications**

**8598 COMP APPL11 Semester 1 9-12**

**8579 COMP APPL12 Semester 2 9-12**

Prerequisite: Keyboarding skills

Students can take this course for one semester or a year. This computer application class is a practical course that will assist your everyday computer applications as well as help you prepare

for college or a work environment by sharpening your computer skills. The subjects taught in this class include Microsoft Word, Excel, PowerPoint, Windows, Hardware and Internet. This course will have an Internet project. There will be no homework as grades are assessed through projects, papers and class participation.

- ESLRs: 1, 2, 7
- Homework: None required

**Web Page Design**

**4731 WEBPAGEDES Semester 9-12**

Prerequisite: Keyboarding skills  
 Credit: 5 credits per semester

This is a hands-on, interactive course that teaches students to build webpages and how to post them to the Internet. This course covers the use of Dreamweaver MX, Flash MX, Photoshop 6.0, HTML scripting and beginning CGI scripting. (This course is a more advanced course than offered in middle school, such as JLS.)

Students will learn to create webpages that are fun and useful. A student in Webpage Design created the Gunn High School webpage. Students also created many teachers' webpages.

All grade levels can successfully take the course.

- ESLRs: 1, 2, 3, 4, 6, 7
- Homework: None required

**Flash - Photoshop Class**

**4913 FLASHPHOTO Semester 9-12**

This new semester class teaches students the use of software animation, (Flash Software) and how to edit and enhance photographs using advanced Photoshop skills. Students may take two semesters of this program for credit.

The course teaches two industry standard software's which are used by webmasters to create higher caliber websites. (Gunn already owns the software and licenses for Flash and Photoshop)

This course would target the student who already is web proficient and wishes to enhance skills used to create commercial websites.

At the end of the semester, the student will be able to:

- Proficiently use Flash Software
- Proficiently use Photoshop Software
- Create animation
- Edit, alter and correct photographs
- Create websites that are professional and worthy to industry standards
- Increase the students software knowledge
- Increase the students hardware knowledge

The new Flash/Photoshop course will be project oriented and taught in the PC lab.

- ESLRs: 1, 2, 5, 6, 7
- Homework: None required

**Video Production**

**\*1033 VIDEO PROD Semester 11-12**

In this semester course students will explore the basics of filmmaking, learning the grammar of visual media. We will study the work of several accomplished directors to ascertain the difference between a home movie and a piece of effective filmmaking. Students will develop project treatments, develop storyboards, write and rewrite shooting scripts, and learn to record and edit projects digitally. The best projects will be exhibited publicly several times during the semester.

This course satisfies the Visual/Performing Arts requirement, and subject "f" requirement for University of California and the Career Vocational Education graduation requirement.



- Homework: 1-2 hours per week

**Survival Skills for Independent Living**

**5874 INDEPENLIV Semester 11-12**

What do you know about renting an apartment, buying a stereo on time, insuring your car, opening a checking account, finding a job? Through this class you will gain self-reliance in all these areas and more, to help bridge the gap from home to “on your own.” You will examine your goals, enabling you to make intelligent decisions about your future. You will learn to take care of your wardrobe, develop an understanding of nutrition and meal planning, credit, banking, insurance, and finding a place to live. You will be ready for successful living in the real world whether you are off to work or to college.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 4, 5, 6
- Homework: 1-2 hours per week

**COURSES OFFERED IN OTHER DEPARTMENTS THAT MAY BE TAKEN FOR CAREER/VOC. ED CREDIT.**

**Stage Technology**

<b>1087</b>	<b>STAGE TECH</b>	<b>Year</b>	<b>9-12</b>
<b>1088</b>	<b>STG TECHII</b>	<b>Semester</b>	<b>9-12</b>

Stage Technology and Design is designed to integrate theoretical and practical knowledge of stage technology and design. Students will study the design and construction of sets, lighting, sound, and costumes, and apply their skills by developing design concepts and mounting productions from a variety of theatrical genres. By assuming vital roles in play productions, students will work effectively in leadership and ensemble situations, and experience the relationship of technical theatre to the theatrical event as a whole. Students will learn to operate theatrical equipment and tools safely, and use these skills to provide technical services for many school stage activities. This course satisfies either the Fine Arts or Career-Vocational Education Programs requirement and may be repeated for four years.

**Graphic Design, Computer Arts**

<b>6262</b>	<b>GRAPH DES</b>	<b>Year</b>	<b>10-12</b>
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Course Preparation: Art Spectrum, two semesters or equivalent

This course can be used to fulfill the Visual and Performing Arts requirement for the U.C. and C.S.U. systems. This course can be repeated for credit for three years. Students in the second and third year of the course will focus on more complex problems in package, product, and advertising design, and advanced work will be done on the computer.

This is a beginning level survey course, exploring basic skills, concepts, and history in the visual arts. It is also the foundation course for all other art classes. The curriculum includes both two- and three-dimensional visual arts experiences, with emphasis on the development of technical, imaginative, and critical thinking skills. Lessons in basic drawing, color theory, painting, design, perspective, lettering, ceramics, and sculpture are taught. Additional lessons in architecture or printmaking may be included if time permits. Historical and cultural referencing is integrated into each unit of study. Oral and written reports are required.

**District ESLRs addressed in this course:**

- ESLRs: 1, 4, 6
- Homework estimate: 2 hours per week on average

**Graphic Publication (Yearbook) (By application only)**

<b>6167</b>	<b>GRPD/YRBK</b>	<b>Year</b>	<b>10-12</b>
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Suggested Course Preparation: Positions on the graphic production/yearbook staff are awarded through an application-interview process, which occurs between January and February and is announced in the school bulletin. Priority will go to students with prior photography, computer, graphic design, or past yearbook experience. Instructor and editor approval is required in all cases. The graphic production/staff produces the school yearbook; thus, staff members must have the necessary skills. Instruction in computer graphic, layout, design, and copy preparation will be provided during the first quarter. Those applying for a photography position must have successfully completed a beginning photography course and will be required to learn studio lighting for portraiture. All students are required to spend time in addition to class hours working on the book, and each student must sell a certain amount of yearbook advertising, to be determined by budgetary needs. Editorships are awarded to the most qualified students who have served on the yearbook staff.

**District ESLRs addressed in this course:**

- ESLRs: 1, 6, 7
- Homework expectation: see course description

**Advanced Journalism**

**1453 ADV JOURN**                      **Year**                      **(By application only)**

This course does not meet U.C. English requirements.

Through such activities as reading and analyzing professional models, interviewing, research and writing, revising and editing, students will demonstrate mastery of journalistic writing and ethics needed for publication of their work in the school and professional press. Students will acquire the skills needed for desktop publishing. At least a "B" grade in non-fiction writing is a prerequisite for this course. The course may be repeated for district graduation credit but currently has not received approval for meeting the U.C. English credit requirement. With approval from the instructor, this course may also satisfy the Career/Vocational Education requirement.

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Homework estimate: 3-5 hours per week outside of class

Students interested in AP College English will find the course described on page 20.

**Advanced Placement Statistics**

**2319 AP STAT**                      **Year**                      **11-12**

Required Course Preparation: B or better in Algebra II or equivalent.

The objective of this course is to provide the students with the equivalent of an introductory college-level statistics course for which Advanced Placement credit is an option (pending successful completion of an AP Exam). The course is open to all students who have successfully completed Algebra II or equivalent. Course content involves examination of exploratory data analysis, experimental and survey design, the study of random variables (including some probability theory), and inferential statistics for one and two variables. Graphing calculators and computers will be used extensively as an aide to statistical analysis.

**District ESLRs addressed in this course:**

- ESLRs: 1, 2, 5, 6, 7
- Homework/out of class work estimate: 2 hours per week

**Advanced Photography**

**\*6158 ADV PHOTO**                      **Year**                      **10-12**

Required Course Preparation: BEGINNING PHOTOGRAPHY, or instructor approval.

This course can be used to fulfill the Visual and Performing Arts entrance requirement for the U.C. and C.S.U. systems.

This course builds on the skills taught in the PHOTO I class. Assigned work throughout the course will emphasize the technical as well as emotional, expressive and non-verbal communicative nature of the photographic medium. Students will master advanced skills in the use of small, medium, and large format cameras, portable and studio lighting techniques, and expand their knowledge of darkroom processes to include contrast control, black and white filters, dodging and burning printing techniques, and advanced film exposure and exposure methods.

This course satisfies either the Fine Arts or Career/Vocational Education Programs requirement and may be repeated for credit upon recommendation of the instructor.

Students who successfully complete this course will be able to demonstrate mastery of the advanced skills described above and expand understanding of current and historical directions in photography through completed works, assigned written reviews of exhibits and class critiques.

- **Senior Project.** Students who are taking this course for a second year have the option to use the work produced as the focus of a senior project. Prior approval from the instructor is required.

**District ESLRs addressed in this course:**

- ESLRs: 1, 6, 7
- Homework estimate: 2 hours per week on average

**Computer Science Advanced Placement (Computer Science 10)**

**2489 COMPSCI AP Year 11-12**

Suggested Course Preparation: Both Programming Concepts and Programming in JAVA or permission by instructor.

The course is designed to prepare students for the Advanced Placement Exam. The course includes top down design iteration, procedures, functions, user-defined types, classes, arrays, files, sets, linked data structures, stacks, queues, pointers binary includes top down design iteration, procedures, functions, user-defined types, classes, arrays, files, sets, linked data structures, stacks, queues, pointers binary trees, searching and sorting algorithms. The students should be able to analyze code, in terms of functionality, efficiency, readability, reusability, modularity, and meaning.

**District ESLRs addressed in this course:**

- ESLRs: 1, 2, 5, 6, 7
- Homework/out of class work estimate: 4 hours per week

**Programming Concepts (Computer Science 1) Replaces Computer Math**

**4593 PROGCONCPT Semester 10-12**

Suggested Course Preparation: Completion of Algebra 1A, concurrent enrollment in Algebra 1A, or instructor permission.

The purpose is to give the students an introduction to programming basics. At the end of the class, the students should be able to write programs using functional and sequential programming. The student should have knowledge of concepts such as iteration, recursion, data structures, file I/O, and data abstraction.

**District ESLRs addressed in this course:**

- ESLRs: 1, 2, 5, 6, 7
- Homework/out of class work estimate: 1 hour per week

**Programming Using JAVA (Computer Science 2)**

**2366 PROGJAVA Semester 10-12**

Suggested Course Preparation: Programming Concepts or instructor permission.

The student should finish this course with a basic, working knowledge of how to write simple JAVA programs. The student will learn how to transfer the techniques from Programming concepts to another language. Additional concepts will include an emphasis on object-oriented programming. Graphics, program design, and the distinction between a compiled and interpreted language will also be part of the course.

**District ESLRs addressed in this course:**

- ESLRs: 1, 2, 5, 6, 7
- Homework/out of class work estimate: 1 hour per week

**INDUSTRIAL TECHNOLOGY**

**Automotive Technology**

**5043 AUTO 1 Year / Age 16 (ROP) 11-12**

This course assumes no previous knowledge about automobiles and their operational systems.

The course is designed for the owner/driver, and emphasizes the understanding of the operation of automotive components, consumer awareness, preventive maintenance practices, tune-up procedures, elementary trouble analysis, and minor repairs. Approximately 40 percent of the class time is devoted to discussions and demonstrations and 60 percent to related shop activities on shop units and personal automobiles. This is the type of course automobile owners wish they would have taken.

**District ESLRs addressed in this course:**

- ESLRs: 1, 4, 6, 7
- No homework is assigned for this class but special projects/events may require additional out of class time to complete them.

**Automotive Technology**

**5050 AUTO 2 Year / Age 16 (ROP) 11-12**

Suggested Course Preparation: Auto 1 or permission of the instructor.

Designed for the student who desires more information, experience and proficiency related to automotive operation and repair. Instrument troubleshooting of electrical systems, brake systems and brake service, and suspension systems are but a few of the topics explored in depth in the course. Certain operations and projects are required but adequate time is provided for personal projects and problems. Competent students who wish to be teacher aides or desire further grooming for employment can make special arrangements for a third year with the instructor's permission. They will be classified as teacher aides or special service.

**District ESLRs addressed in this course:**

- ESLRs: 1, 4, 6, 7
- No homework is assigned for this class but special projects/events may require additional out of class time to complete them.

**Engineering Technology (ROP)**

**8574 ENGN TECH Year 11-12 or consent of instructor**

**8601 ENGNTECH11 Semester 11-12 or consent of instructor**

Engineering Technology is a survey course designed to create enthusiasm for the Engineering Careers. This class is a popular elective that is open BY APPLICATION ONLY. Students who are accepted and enroll in Engineering Technology are automatically included in the Gunn Robotics Team. The curriculum is designed to fit the needs of the four-year college bound and the two-year "Tech Prep" students. Conceptual instruction includes student teams learning the classic problem-solving cycle through informal classroom competitions. Group dynamics and brainstorming techniques are emphasized. Student teams compete in a variety of national and international problem-solving competitions.

Robotics, Basic programming, electronics, computer integrated manufacturing, computer graphics, and AutoCAD design technologies will be explored by all students. Industry standard equipment is available to the students. Scientific principles, mathematical concepts, and communication skills are accentuated on activity-oriented approach.

**District ESLRs addressed in this course:**

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Out of class time: variable but time commitment increases considerably in the weeks prior to competition.

**Biotechnology: Theory and Practices (ROP)/Science**

**\*5955 BIO TECH Year 11-12**

**Credit:**

- Satisfies University of California entrance "d" requirements for science
- Satisfies high school graduation requirement for Voc Ed/ROP
- Optional units available from Foothill College Biotech Program.

**Prerequisites:** Successful completion of Introductory Biology; completion of or concurrent enrollment in Chemistry.

**Strongly recommended:** Concurrent enrollment in Physics, Astronomy, or AP-Biology.

**Other students need to discuss eligibility with the instructor.**

This course will introduce students to the theoretical aspects of Biotechnology (Cell Biology, Microbiology, Molecular Biology, Immunology) and societal issues arising from this new technology. Hands on laboratory activities will reinforce theoretical information and teach lab safety, data analysis, the scientific method, and related computer skills. This course will include topical speakers from biotechnology industry and research and field trips to visit nearby biotech industry sites and labs. (see course listing in Science)

**District ESLRs addressed in this course:**

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Homework estimate: approximately 3 hours per week and 1 extra hour per week during project time.

**Opportunities Industrialization Center West (OICW)** is a private non-profit organization of long standing existence located in Menlo Park. It is well known for its hands-on approach to vocational training. Where implemented, School After School for Successful Youth (SASSY) is an exemplary program with high levels of community support. The method of training and the opportunities provided by OICW match the needs of those students who are at risk of not meeting graduation requirements.

PAUSD and OICW have signed an MOU which will allow for ten (10) PAUSD high school students to participate in their SASSY program and obtain PAUSD credit. The courses offered classes are in the areas of:

Culinary Arts

Electronics

Office Skills

Desktop Publishing

Digital Video Editing (10 units of credit each)

Entrepreneurship and employment training program

Hypertext Markup Language/Web PageDesign (5 units of credit each)

Please contact Dave Hoshiwara for further information 856-0735.

**\*Denotes a course which may provide an opportunity to satisfy the senior project graduation requirement.**

## **WORK EXPERIENCE**

### **Work Experience Education Program**

**8484 GEN WEEP11 Semester (may be repeated) 11-12**

Work experience is a program that combines classroom instruction and part-time student employment. Juniors and seniors are eligible if employed a minimum of ten hours per week for a business that complies with labor laws and regulations concerning Workers' Compensation Insurance, Social Security and income taxes. An employer-employee relationship must exist. Assistance will be given to help enrolled students find jobs, but employment cannot be guaranteed. Students meet with the Work Experience co-ordinator at Gunn High School from 6:00 - 6:55 p.m. on Tuesday evenings or at Palo Alto High School from 3:05 - 4:00 p.m. on Tuesday afternoons. Work Experience qualifies for Career/Vocational Education credit. Sign up for W.E.E.P. period H.

For more information, see or phone the co-ordinator: 354-8221 or 329-3816.

## **EXPLORATORY EXPERIENCE**

### **Exploratory Experience**

**8421 EXPL EXP11 Semester 10-12**

Exploratory Experience is an unpaid off-campus course that provides students with an opportunity to explore their specific career interests by direct observation and a hands-on experience. Professionals or individuals with established expertise serve as mentors in their specific fields for students in this program. Placement in this program is limited to experiences that are developed through the school district and excludes community organizations such as clubs, private lessons, and non-career focused service. Students are not enrolled until they have met with the co-ordinator and a suitable post is located. Class time is by arrangement with the co-ordinator. Exploratory Experience qualifies for Career/Vocational Education credit. Sign up for Exploratory Experience, period H.

For more information, see or phone the co-ordinator: 354-8221 or 329-3816.

## **REGIONAL OCCUPATIONAL PROGRAM (ROP)**

The North Santa Clara County Regional Occupational Program is a cooperative vocational education effort serving northern Santa Clara County. Courses are offered to high school juniors and seniors 16 years or older. ROP classes expose students to a variety of learning opportunities as they acquire knowledge and skills which could introduce them to possible careers and college majors, or assist them in finding employment/career immediately following high school, or in securing employment to help defray college costs. The free, hands-on training makes learning exciting and fun. ROP courses are offered on local high school and college campuses or at local community sites. All courses grant elective or Career/Vocational Education Programs graduation credit with many offering community classroom CC (non-paid) or cooperative classroom COOP (paid) on-the-job training. Students register for ROP classes at the same time they fill out their yearly high school class program. Through 2+2 articulation agreements with De Anza and Foothill Colleges, upon the completion of stated competencies, students may move into similar programs with advanced placement status or acquired college credit.

For more information, please contact: Pam Lund 868-9333

## ON-CAMPUS ROP COURSES

*(See descriptions in Career-Vocational Education Programs.)*

- 5955 Biotechnology
- 8564 Automotive Technology
- 8574 Engineering Technology
- 8611 Web Page Design

## ROP COURSES

### Administration of Justice (ROP)

**8563 ADM JUSTIC**                      **Year**                                      **11-12**

Prerequisite:                      None  
Credit:                                      10-20 credits per year  
Class Time:                              M-F, TBA  
Location:                                      Homestead High School

This course introduces students to the history, philosophy and agencies of the administration of justice system. Students will be able to recognize the administration of justice agency best suited for their talents and aspirations; as well as develop their awareness of the proficiencies involved in firearms, self-defense, first aid and crime scene investigations.

2+2 articulated program.

### Athletic Training/Sports Medicine (ROP)

**8621 ATH TRN 1**                              **Year**                                      **11-12**

**8622 ATH TRN11**                              **Semester**                                      **11-12**

Prerequisite:                      None  
Credit:                                      Up to 10-20 credits per year  
Class Time:                              M-F, by arrangement  
Location:                                      Homestead High School

This course prepares students for a career as a physical therapy aide or exercise instructor. The athletic trainer will provide health care for a variety of sports teams and events.

(For description, see listing under Career/Vocational Education Programs: Applied Academics.)

### Automotive Technology (ROP)

**8564 AUTO TECH**                              **Year**                                      **11-12**

Prerequisite:                      None  
Credit:                                      10 credits per year  
Class Time:                              M-F  
Location:                                      Palo Alto High School *or*  
Credit:                                      20 credits per year  
Class Time:                              M/W 1:30 – 6:30 p.m. *or*  
    T/Th 1:30 – 6:30 p.m.

Location:                                      DeAnza College Auto Lab

(For description, see listing under Career/Vocational Education Programs: Applied Academics.)

### Biotechnology (ROP)

**5955 BIO TECH**                              **Year**                                      **11-12**

Prerequisite:                      Biology and Chemistry  
Credit:                                      10-20 credits per year  
Class Time:                              M-F, BA (rotating schedule)  
Location:                                      **Gunn** High School

This course prepares students for careers involving laboratory sciences and the biotechnology industry. Students learn procedures and laboratory skills which will make them effective lab

technicians, including DNA manipulation and micropipetting, proper washing, sterilizing, plating and culturing techniques. Sound laboratory instruction and safety will be stressed. Students will learn to read protocols and technical writing, use resources and work in team based learning. Background material regarding DNA methods and usefulness, science and societal issues will be considered, and each student will produce a portfolio. Career paths and opportunities for further education will be explored through associations with industry mentors and field trips to local lab sites.

**Careers with Children (ROP)**

**8557 CHILD CARE Year 11-12**

Prerequisite: None  
 Credit: 20 credits per year  
 Class Time: M-F, by arrangement  
 Location: De Anza College or Homestead High School

This course is designed to prepare students for employment in entry-level positions related to childcare and early childhood education in centers, homes, nursery schools and recreational settings. Training includes exploration of the overall needs of children from birth to twelve years of age, and development of skills necessary for planning and supervising age-appropriate activities. 360 clock hours, 20 elective credits, 1 year. CC / COOP. 2+2 articulated program.

**Commercial Art and Graphic Design (ROP)**

**8541 COMM ART Year 11-12**

Prerequisite: Basic Drawing Skills  
 Credit: 20 credits per year  
 Class Time: M-F, by arrangement  
 Location: Mountain View High School *or*  
 Class Time: M-Th, by arrangement  
 Location: Monte Vista High School

This course is designed for students who enjoy drawing, problem-solving, and working in cooperation with others. Emphasis in the course is placed on commercial applications of art as they apply to the fields of graphic design and illustration. Theory as well as hands-on approach allows students to experience design and execution in a variety of professional media. Prerequisite: Basic Drawing Skills. 360 clock hours, 20 elective credits, 1 year.

**Computer Assisted Accounting (ROP)**

**8525 COMP ACCNT Year 11-12**

Prerequisite: None  
 Credit: 5-10 credits per year  
 Class Time: M-F, TBA  
 Location: Cupertino High School

This course is designed for you if you are seeking bookkeeping or clerical careers in which you will be responsible for any aspect of keeping books. It is also beneficial to those who plan to pursue their education in the accounting field. Students will build on their basic accounting skills, and will demonstrate the use of the computer to process transactions, payroll, accounts/receivable/payable, and other financial accounting procedures.

**Computer Information Technology (ROP)**

**8520 COMPUT APP Year 11-12**

Prerequisite: None  
 Credit: 5-20 credits per year  
 Class Time: M-F, TBA  
 Location: Alta Vista, Fremont, Mountain View, and Palo Alto High School

**Computer Networking (ROP)**

**8612 CNETWORK Year 11-12**

Prerequisite: None  
Credit: M-F, TBA  
Location: Alta Vista, Fremont, Los Altos and Lynbrook High School

This course teaches you how to design, implement and troubleshoot computer networks in four semesters. It provides course work for a complete range of basic through such complex concepts as subnet masking rules and strategies. The format for the classes reflects the content; interactive lessons stored largely on the classroom's Micro Webserver and projects planned by the instructor. This program prepares high school and college students to take the Certified Networking Associate exam upon successful completion of the four semesters. This certification positions you for immediate openings in a talent hungry job market for engineering and science focused college studies.

**Computer Programming – JAVA (ROP)**

**8610 INTRO JAVA Year 11-12**

Prerequisite: Algebra 1  
Credit: 10 credits per year  
Class Time: M-F, TBA  
Location: Lynbrook High School

This course is designed to introduce the student to the study and writing of computer programs, with an emphasis on understanding and solving problems. Analytical thinking skills and logic are emphasized. The Java language is used on programming for the Internet. Elementary study of digital computer hardware is included. This course is recommended for the college bound student planning on a business, math, or science major or for the student preparing for an AP Computer Science course or Scientific Research and Technical Services.

**Computer Repair/Maintenance (ROP)**

**8529 COMP MAIN Year 11-12**

Prerequisite: Age 16  
Credit: 10-20 credits per year  
Class Time: M-F, by arrangement  
Location: Alta Vista, Cupertino, Fremont High School

Students will obtain fundamental maintenance and repair skills for computer hardware, software and networks. Students will receive instruction in a dedicated computer maintenance workshop in the form of "on the job training" through solving computer and network maintenance problems on campus. Students will develop professional attitudes and abilities through group interaction while completing assignments. Students will utilize lab training to identify components, determine possible remedies and accurately replace new and/or used components to reconstruct units to full operation. Students will be able to dismantle systems and to identify equipment breakdown.

**Cosmetology (ROP)**

**8503 COSMTOLOGY Year 11-12**

Prerequisite: None  
Credit: Up to 30 credits per school year  
10 credit summer session  
Class Time: TBA  
Location: Check with your ROP coordinator

This course provides the 1600 hours of required training to qualify for the State Board of Cosmetology exam. Students learn techniques in manicuring, hair coloring, cutting, styling and treatment; facials and skin care; salon management and customer relations. 1600 clock hours, 30 elective credits per year (summer attendance mandatory). September, January, and June admittance.

**Culinary Careers (ROP)**

**8539 CULIN ARTS Year 11-12**

Prerequisite: None  
Credit: 20 credits per year  
Class Time: M-F, TBA  
Location: Fremont, **Gunn**, or Los Altos High School

This course is designed to train students for entry-level employment in various food service occupations. Hands-on instruction will involve the students setting up and running a food service business on campus. The business could include an alternative lunch line in the cafeteria and/or a limited catering business for campus needs. By the end of the first semester, students will be placed in food service-related paid jobs for experience.

**Desktop Publishing (ROP)**

**8616 DSKTOP PUB Year 11-12**

Prerequisite: None  
Credit: 10-20 credits per year  
Class Time: M-F, TBA  
Location: Fremont or Homestead High School

This is a hands-on course covering the basic skills used in desktop publishing. The skills you will learn include basic computer page layout and graphics. You will explore drawing techniques and tools used in computer art and graphics. Emphasis is placed upon the practical aspects of commercial art and how this art is used in publishing, design and illustration, photography, and multimedia presentations. The projects you work on include brochures, certificates, pamphlets, newspaper and/or magazine layouts, etc.

**Computer Aided Design (CAD) (ROP)**

**8600 COMP DES1 Year 11-12**

**8583 COMP DES11 Semester 11-12**

Prerequisite: None  
Credit: 10-20 credits per year  
Class Time: M-F, TBA  
Location: Lynbrook, Mountain View High School

(For description, see listing under Career/Vocational Education Programs: Applied Academics.)

**Engineering Technology (ROP)**

**8574 ENG TECH Year 11-12**

**8601 ENGTECH11 Semester 11-12**

Prerequisite: None  
Recommended: Keyboarding and 1 semester CAD desirable  
Credit: 5 credits per semester, 10 per year  
Class time: M-F, by arrangement  
Location: **Gunn**, Monte Vista and **Palo Alto High School**

(For description, see listing under Career/Vocational Education Programs: Applied Academics.)

**Training for Transition/Special Needs (ROP)**

**8549 TRANS ROP Year 11-12**

Prerequisite: None  
Credit: 30 credits per year  
Class Time: M-F, TBA  
Locations: Cupertino, Fremont, Homestead, Lynbrook High School or  
**Palo Alto Veterans Administration Hospital**

This course is designed for the student with special needs. This course is a self-paced, individualized program. The purpose of this course is to prepare students for entry-level employment in positions that are not contra-indicated by their disabilities, thus allowing these

students to become productive and competent employees in the working world. Areas of training will be in the following areas: Retail Occupations, Hospitality Occupations, Food Service Occupations, Office Occupations, Nursery/Landscaping Occupations, Maintenance Occupations, Animal Care Occupations, Product Preparation Occupations, Assembly Occupations and Automotive Occupations.

(Palo Alto special ed students usually take this class at the Veterans Administration Hospital site. School bus transportation is provided round trip between both high schools and the VA Hospital. Entry to the class can occur either at the beginning of the first or second semester. The class meets each school day afternoon following lunch and continues for the remainder of the school day. Annual TB tests are required and administered by the VA hospital. Entry-level training areas usually available are these: For group training, the hospital canteen and warehouse. For individual placements: the retail store, pharmacy, linen/laundry, medical records, outpatient clinics, mail room and security office.)

**TV/Film/Video (ROP)**

**8623 TVFILMVID Year 11-12**

Prerequisite: None  
 Credit: 10-20 credits per year  
 Class Time: M-F, TBA  
 Location: Homestead or Fremont High School

This course is for students interested in audio-video production and multimedia. It will prepare you to produce streamed audio and video on the Internet using digital and advanced animation production techniques. Work-based learning and special projects will provide experience with multi-camera coverage, post-production, and animation support services and a range of industry applications.

**Web Page Design (ROP)**

**\*8607 WEB PUBLSH Year 11-12**

**8608 WEB PUBLSH 11 Semester 11-12**

Prerequisite: None  
 Credit: 10-0 credits per year  
 Class Time: M-F, TBA  
 Location: Los Altos, Mountain View, or **Palo Alto High School**

This self-paced course is designed to provide the necessary skills and training for an entry-level position in the field of Web Design. The class will focus on web page planning, basic design, layout, and construction, setup and maintenance of a web page, HTML, DHTML, JavaScript, and various web page and image creation tools. This course is taught in a PC environment, but all the skills are transferable to the Macintosh.

**OPPORTUNITIES INDUSTRIALIZATION CENTER WEST (OICW)** is a private non-profit organization of long standing existence located in Menlo Park. It is well known for its hands-on approach to vocational training. Where implemented, School After School for Successful Youth (SASSY) is an exemplary program with high levels of community support. The method of training and the opportunities provided by OICW match the needs of those students who are at risk of not meeting graduation requirements.

PAUSD and OICW have signed an MOU which will allow for ten (10) PAUSD high school students to participate in their SASSY program and obtain PAUSD credit. The courses offered classes are in the areas of:

Culinary Arts

Electronics

Office Skills

Desktop Publishing

Digital Video Editing (10 units of credit each)

Entrepreneurship and employment training program

Hypertext Markup Language/Web PageDesign (5 units of credit each)

Please contact Dave Hoshiwara for further information 856-0735.

\* **Denotes a course which may provide an opportunity to satisfy the senior project graduation requirement.**

## **ENGLISH**

The English program at Gunn High School focuses on the traditional concerns of the discipline—Literature, Composition, Language and Grammar. Literature serves as a resource for both the study of ideas, culture, and values, and the development of composition skills. The study of composition and writing emphasizes the art and the craft, the organization and the support, and the clear and effective use of language in its written forms. Vocabulary, language, and grammar studies are integrated with the study of literature and composition.

The Gunn English program includes a four-year sequence of required and elective semester-long courses designed to meet students' needs in literature, composition, and language study at levels appropriate to their individual skills and abilities in English. The complete sequence includes required courses in American, British, Contemporary, and World Literatures, and in communication skills and literary genres.

In 2004-2005, students in grades 9 and 10 should enroll for the two courses required of freshmen and sophomores. They should indicate on their Course Request forms a choice of (a) one semester of English World Traditions (General) or Contemporary Heritage (Advanced) AND (b) one semester of The Writers Voice (General) or Literary Style (Advanced). The other two required courses for grades 9 and 10 will be offered the following year. The choice of general or advanced should be made with consideration of such things as prior performance in English classes, development of skills, and interests. Consultation with current English teacher and counselor may be helpful in making a choice.

In 2004-2005, students in grades 11 and 12 will select one required semester of American Literature and one elective course. During registration all students should enroll in American Dream (General). The English department will determine which students will be placed in American Classics II H, which carries "honors" designation on the transcript. In addition, students in grades 11 and 12 should indicate on their Course Request forms a choice of one semester elective and two alternate selections. It is very important to make accurate and thoughtful selections on this early form so that the department schedule reflects students' choices accurately; requests made later are often difficult or impossible to satisfy, and courses with insufficient initial student enrollment are deleted from the department schedule.

Students interested in College English will find the course described on page 20.

### **ESLRs and Homework Expectations for English courses**

The four-year sequence of English courses provides students opportunities to demonstrate competence in all areas of the Expected Schoolwide Learning Results. Each course places particular emphasis on the following three ESLRs: 2) effective communication through listening, speaking, and writing; 5) reading with understanding; and 6) critical and creative thinking to solve problems.

By the nature of the discipline, the study of English will take some learners longer than others. In addition, the cycles of long- and short-term projects make a statement of the amount of time required an estimation and an average. Homework for English courses comprise reading, writing, and the study of vocabulary. Advanced and honors courses, including College English, require an average of three to five hours per week of work outside of class; regular and elective courses usually require less time.

### **Contemporary Writers (General)**

**1190 CONT WRIT Semester 9-10**

This course is for students who want a general program in high school English and uses the works and ideas of modern writers like Hal Borland, T.H. white, Ernest Hemingway, and Harper Lee as the focus for studying literature and composition at the high school level. Because it is a required course, it includes particular emphasis on instruction in reading and writing. One semester of this course *or* Contemporary Heritage is required.

- 1191** Contemporary Heritage (Advanced)  
**CONT HERIT** Semester 9-10  
 This course is for students who want an advanced program in high school English and uses the work of both modern writers like John Knowles, Nordhoff and Hall, and Charles Dickens to explore the sources of contemporary trends and thought in literature and composition. Because this is a required course, it includes particular emphasis on instruction in reading and writing. One semester of this course or contemporary writers is required.
- 1192** Writer's Voice (General)  
**WRTR VOICE** Semester 9-10  
 This course introduces students in a general English program to the writer's choices for communicating a message through the variety of literary types. A Shakespearean drama, short stories, poetry, and the novel. Because it is a required course, the works provide the resources for particular emphasis on instruction in reading and literature, writing and composition. One semester of this course *or* Literary Style is required.
- 1193** Literary Style (Advanced)  
**LIT STYLE** Semester 9-10  
 This course introduces students in an advanced English program to the writer's options in literary genres like drama, short story, novel, and poetry. Because it is a required course, the works of writers like Shakespeare, Hardy, and Golding provide the resources for particular emphasis on instruction in reading and literature, writing and composition. One semester of this course or Writer's Voice is required.
- \*1293** American Dream (General)  
**AMER DREAM** Semester 11-12  
 This course for students in the general English program uses the works of important American writers like Fitzgerald, Steinbeck, Miller, and Lee as the focus for studying the composition and literature as well as American thought and values. Because it is a required course, it includes a particular emphasis on instruction in reading and writing. One semester of this course *or* American Classics H or 11H is required.
- \*1309** American Classics 11H (Advanced)  
**AM CLASS 11H** Semester 11-12  
 This course for students who want an advanced program in English uses the works of major American writers like Hawthorne, Melville, Fitzgerald, and Faulkner as the source of studying composition and literature as well as American thought, culture, and values. As a required course, it includes a particular emphasis on instruction in reading and writing. Enrollment in this course requires meeting prerequisites of performance and teacher recommendation as specified on the PREREQUISITE FORM which may be obtained in the English office and must be satisfactorily completed and returned to the English Instructional Supervisor at the time of registration.
- \*1288** American Studies  
**AMER STUDY** Year 11  
 This year-long interdisciplinary course combines the study of U.S. History and American Literature. In this course, students will explore American culture and history through the use of historical documents and readings from a wide range of classic authors, from F. Scott Fitzgerald to Alice Walker. In addition, the course incorporates the art, music, film, and popular culture of the 20<sup>th</sup> century in American society. Through field trips, students have the opportunity to explore the rich history of the Bay Area. American Studies is open to juniors only, and fulfills the U.S. History requirement as well as the American Literature requirement for English. Students may choose to use this course towards either American Classics 11H or American Dream, and may elect to take it for English honors credit. It will be offered alternate years, in order to coincide with the English department's American literature offerings.

**ELECTIVE COURSES:** These courses are open only to juniors and seniors, may not be repeated for credit, and will be offered annually *only if there is sufficient enrollment*. All electives meet the U.C. specifications for a significant reading and writing component unless otherwise indicated.

**Beginning Journalism**

**1457 JOURNAL 11 Semester / Fall 9-12**

Through reading and analyzing professional models of non-fiction writing including biography, the essay, news, features, editorials, and reviews, students will learn to plan, write, and revise news stories, profiles, personal experience, observational, and persuasive writing. Students will acquire the skills of fact gathering and note taking through interviews with primary sources and research of secondary sources. This elective course is a prerequisite for Advanced Journalism.

**Advanced Journalism**

**1453 ADV JOURN Year (By application only)**

This course does not meet U.C. English requirements.

Through such activities as reading and analyzing professional models, interviewing, research and writing, revising and editing, students will demonstrate the mastery of journalistic writing and ethics needed for publication of their work in the school and professional press. Students will acquire the technical skills needed for desktop publishing. At least a "B" in Non-Fiction Writing is a pre-requisite for this course. The course may be repeated for district graduation credit, but currently has not received approval to substitute U.C. English elective credit. With approval of the instructor, this course may also satisfy the Career/Vocational Education requirement.

**Facing History and Ourselves - Through Literature and Film**

**1317 FACFILMLIT Semester 11-12**

*We need citizens with the moral imagination required to be tolerant of difference, who understand what a creative act it is to connect themselves to others.* - Margot Strol

This course allows students to become engaged in analytical and critical thinking about identity, history and ethics, and exploring lessons of civic courage, compassion, and responsibility in our society. Through writing, literature, film discussion, and community service, students will be challenged to examine the deep roots of social injustice and negative traditions of discrimination and prejudices with the goal of promoting a more humane and informed citizenry.

**College Prep Skills**

**1334 BAS COL SK Semester / Summer 11-12**

This course is designed to help students achieve higher scores on the PSAT, SAT I, SAT II and ACT college entrance examinations. Instruction focuses on the requisite skills: critical thinking (reading comprehension), vocabulary development, sentence completion techniques, effective twenty-minute essay writing, and thorough teaching of grammar. This course thus prepares students for success in college as well as for entry into the students' colleges of their choice.

**The Works of Shakespeare**

**1364 SHAKESPERE Semester 11-12**

This course introduces the student to the range of Shakespeare's plays, including history, tragedy, and comedy, and to the study of Shakespeare's language and times.

**Escape Literature**

**1384 ESCAPE LIT Semester 11-12**

This course explores some of the literary avenues of escape from the ordinary through stories and novels selected from mystery and suspense, horror, fantasy and science fiction. We will do both expository and creative writing and a variety of individual and group projects related to the stories and books we read.

**Multicultural Literature**

**1392 CULT LIT Semester 11-12**

Students in this course will engage in dialogues about America's diverse cultures, how they have been accepted or denied throughout history, and how their identities have been preserved or

erased over time. Through the use of contemporary literature, students will think critically about our society, its traditions, immigration, and what the face of our country will look like in the future.

**Classical Mythology**

**1469 CLASS MYTH Semester 11-12**

The antics and adventures of the ancient Greek gods and goddesses, heroes and monsters come alive in this multidisciplinary elective for juniors and seniors. Through the study of drama, art, athletics, poetry and architecture of ancient times, students will learn the iconography, the stories, the philosophy and the history which so influence our modern world. Students will read modern interpretations of the myths, perform the ancient tragedies and comedies, create written and artistic interpretations of their own and learn the history of Greek religious belief from the goddess-worshipping Minoans to the patriarchy of classical Greece.

**Women Writers**

**1314 WOM WRIT Semester 11-12**

This course allows students to focus their studies on works by women writers and to hear a wide range of cultural and historical female voices. Both contemporary and traditional authors will be explored, and all genres will be included.

**Dramatic Literature in Performance**

**\*1203 DRAMLTPERF Semester / Fall 11-12**

This interdisciplinary course for juniors and seniors offers students five units of English and five units of Drama credit. Students will enrich their study of a variety of plays as literary texts with hands-on experiences involving every facet of creating the "living" play. Students need not have extensive acting experience. Offered in alternate years. Any student wishing to enroll in this class must also be enrolled concurrently in Theatre 3 or 4.

**Analysis of the Writer's Craft**

**7601 WRIT CR 11 Semester 11-12**

**This is the course formerly known as Creative Writing.** This course offers students who are serious about writing an opportunity to read and write in such genres as short fiction, poetry, short drama, and personal essay. Students are required to share their writing regularly with other students in the class. Students are encouraged to enter at least one writing competition or submit writing to a journal or newspaper. The course is recommended only for students who understand that the best writing comes from both creativity and discipline.

**Short Fiction**

**1383 FICTION Semester 11-12**

*"This blind man, an old friend of my wife's, he was coming to spend the night."* So begins one of the short stories we'll read—written by American authors since the founding of this country. From Jhumpa Lahiri to Herman Melville, Bernard Malamud to Richard Bausch, Joyce Carol Oates to Edgar Allan Poe, "Short Fiction" introduces you to writers who write short. (They're neither as greedy for your time as novelists are nor as puzzling as poets!) The course is rich in discussion and reading, stresses content in writing over technique, and revels in spare modern language as well as 19<sup>th</sup> century multisyllablificationism. After figuring out what makes stories tick, you'll write your own; group panel-discussions will give you tremendous independence—but mainly you'll have the new companionship of all kinds of authors.

**Film as Composition and Literature**

**1332 FILM LIT Semester 11-12**

This course relates composition in the motion picture to student reading and writing. It introduces the art and technique of film through a history of the film and a study of its genre and directors. Activities help the student explore film as art and as composition.

**Philosophy through Literature**

**1179 PHILOS LIT Semester 11-12**

What is the purpose of our lives? Can we know what's right and wrong? What is real? How should we live our lives? In this introductory course we will read literature written by Asian prophets, ancient Greeks, renaissance philosophers, modern novelists, feminists and scientists (among others) in their attempt to answer these questions. Students will be encouraged to discuss, debate and write about their own beliefs as they explore the enduring enigmas of our human existence.

**Steinbeck**

**1710 STEINBECK Semester 11-12**

This course offers the student more opportunity to become acquainted with American writer John Steinbeck and to know some of the saints and sinners, cynics and romantics, humdrum and adventure of the early-to-mid-twentieth century in the United States.

**College English**

**\*1279 COL ENG AP Year Grade 12 only**

This limited-enrollment advanced study course is open to seniors who qualify on the basis of prior performance in English, the quality of a writing portfolio, and the recommendation of the Department Honors Committee. The focus is on college-level work in reading and writing, culminating in preparation for the Advanced Placement Examination in English Literature and Composition.



**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 2, 5, 6
- Homework expectation: 4 hours weekly

**Contemporary World History E.L.L. (Required)**

**8778 CONTWLD LL Semester 9-12**

This course satisfies the state and district requirements for graduation. It also meets the requirements for admission to the University of California. It continues the World History sequence with a study of the history and cultures of Asia, the Middle East, Africa, Latin America, and Eastern Europe, with emphasis on the inter-relationships among these nations and cultures. In addition to analyzing their current events and problems, the course examines their cultures in terms of their xxx.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 5
- Homework expectation: 5 hours weekly

**U.S. Government E.L.L. (Required)**

**8781 US GOVT LL Semester 9-12**

This course satisfies the state and district requirement for graduation. It also meets the requirements for admission to the University of California. It includes information on the U.S. Constitution and on the structure and operation of the American government at the local, state, and national levels. It also provides insights into American politics and political values. Discussion skills are emphasized, as well as reading newspapers and expressing opinions on legislative matters. Active participation in local community service is encouraged.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 5
- Homework expectation: 5 hours weekly

**World History E.L.L. (Required)**

**8784 WLDHIST LL Year 9-12**

This course satisfies the state and district requirements for graduation. It also meets the requirements for admission to the University of California. It includes the major historical eras of world history, from the Age of Enlightenment to the building of the Berlin Wall. Emphasis is placed on the interrelationships among nations and cultures, as well as the major themes in history.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 5
- Homework expectation: 5 hours weekly

## **WORLD LANGUAGES**

The district offers four languages: French, German, Japanese, and Spanish. Availability is subject to sufficient enrollment; the district does not guarantee that all four languages will be taught at both schools. If there is sufficient enrollment at the beginning level of a language, the district does guarantee a sequence of three levels in that language at the site.

Placement in the next level of the language is determined by the student's current instructor. A grade of "C" or higher is necessary to advance to the next level, and a grade of "B" or higher is recommended to advance to an AP level. Combined classes may occur in the advanced levels depending on enrollment.

The expected outcomes in the five areas of language acquisition are:

1. LISTENING. To understand the language as it is spoken by a native speaker at a normal conversational rate with the vocabulary and grammatical structures appropriate to the level of instruction.
2. SPEAKING. To communicate with reasonable fluency in real-life situations at a level commensurate with the vocabulary and structure appropriate to the level of instruction.
3. READING: To read materials appropriate to the level of instruction, both silently and aloud, with understanding.
4. WRITING: To write clearly and correctly within the limits imposed by the vocabulary and grammatical structures at the level of instruction.
5. CULTURE: To gain familiarity and appreciation of the culture of the linguistic community, and learn differences and similarities in world views, customs, beliefs, and social conventions of the linguistic community.

### **BEGINNING / INTERMEDIATE WORLD LANGUAGES**

4110	French 1	4210	German 1	4270	Japanese 1	4410	Spanish 1
4120	French 2	4220	German 2	4275	Japanese 2	4420	Spanish 2
4130	French 3	4230	German 3	4277	Japanese 3	4430	Spanish 3

- District ESLRs 1, 2, 4, and 5 are addressed in beginning and intermediate World Language courses.
- Students enrolled in these courses can expect an average of 20 minutes of homework per class period.

### **SPANISH FOR SPANISH SPEAKERS**

4401 Spanish for Spanish Speakers 1

4402 Spanish for Spanish Speakers 2

These courses are designed for students who are native speakers of Spanish. In addition to emphasis on the study of the Spanish language they give students knowledge and appreciation of Spanish American culture and thereby increase the students' self-esteem. Students will learn to distinguish and value the difference between colloquial and academic language. They will perfect their writing as well as their speaking ability in Spanish.

**NOTE:** Completion of Spanish for Spanish Speakers levels 1 and 2 fulfills the University of California entrance requirements for world languages.

## **ADVANCED WORLD LANGUAGES**

4140 French 4	4249 German 4AP	4278 Japanese 4	4440 Spanish 4
4149 French 4AP Language	4259 German 5AP	4289 Japanese 4H	4449 Spanish 4AP Language
4150 French 5		4281 Japanese 5	4459 Spanish 5AP Literature
4159 French 5AP Language		4299 Japanese 5H	
4169 French 6AP Literature			

- District ESLRs 1, 2, 4, 5, 6, 7 are addressed in these courses.
- Students enrolled in Advanced World Languages can expect an average of 45 minutes of homework per class period.

Advanced World Languages courses continue development of the four language skills and appreciation of culture. The expected outcomes are that students will:

- Understand most conversations on non-technical subjects.
- Handle with some facility most social situations, including introductions and casual conversations about one's work, family and hobbies.
- Speak and read about personal experiences and about readings, films or current events presented in class.
- Read with understanding some modern works such as short stories, plays, novels, or poetry.
- Use a dictionary in the language effectively.

The Advanced Placement World Languages courses emphasize the development of a high level of proficiency in understanding the spoken language in formal and conversational situations, and in the use of vocabulary and grammar.

In the Language courses students will:

- Listen with understanding to reports and lectures of a non-literary content.
- Read with comprehension newspaper and magazine articles, contemporary fiction and non-technical writing for comprehension.
- Express themselves orally and in writing with fluency and accuracy

In the Literacy courses, students will:

- Listen with understanding to lectures of literary or cultural content.
- Read with comprehension and at sight poetry, prose, and drama of moderate difficulty.
- Analyze critically, orally and in writing, written works of the different literary periods.

The Literature AP examination is recommended for students completing a second AP course in Spanish or French.

The AP Literature exam is not available in German and no AP exams are available in Japanese.

### **NOTE:**

- Independent Study for world languages credit will not be offered. Credits may be granted for studies in district-approved world languages programs with prior approval from the administration.
- Summer course work in world languages may be used for enrichment, but may not be used to accelerate the program.



### United States History AP

**1699 COL USH AP Year 11**

This course provides an in-depth survey of U.S. History, including intellectual, political, cultural, social, and diplomatic history. The class format focuses on writing and large and small group discussions, as well as lectures and primary source analysis. It also includes independent research, debates, and guest speakers. In addition to the text, each student will read a variety of books on historical topics and issues. Students are expected to take the AP test in May for college credit. Summer reading is expected.

- Homework estimate: 5 hours per week (with possibly more in the 3 weeks before the AP test)

### Economics

**\*1815 ECON 11 Semester 12**

This one-semester courses covers basic micro- and macro-economic theory, including supply and demand theory, market structures, the role of government in the economy, and issues of economic development. While the emphasis is primarily on the United States economy, the analytical skills needed to be an educated consumer in a global economy are also stressed.

- Homework estimate: 2 hours per week

### Psychology

**1842 PSYCH 11 Semester 12**

This one-semester course introduces the student to the science of human behavior and mental processes. It explores the biological roots of behavior and such concepts as child development, thinking and language, perception and sensation, disorders and therapy, and memory.

- Homework estimate: 2 hours per week

### Psychology AP

**1859 PSYCH AP Year 12**

Suggested course preparation: grade of A in a science course and a social studies course. This college-level introductory course will cover the many facets of the science of psychology, including biological roots of behavior, learning, thinking and language, developmental and abnormal psychology, personality theory and research methodology. Students are expected to take the AP test in May for college credit.

- Homework estimate: 3-5 hours per week (with possibly more in the 3 weeks before the AP test and before major tests)

### African-American Studies

**\*1870 AFR AMER H Semester 11-12**

The one-semester elective is intended for 11<sup>th</sup> and 12<sup>th</sup> grade students. The course covers over 500 years of history. Topics to be covered include: West African history, black soldiers, the Civil Rights and Black Power movements. Contemporary issues to be examined include profiling, The Bell Curve, Race Matters, and athletic and artistic interpretation as modern expressions of Black liberation.

- Homework estimate: 1-2 hours per week

### Art History

**1601 ARTHIST 11 Fall Semester 10-12**

**1602 ARTHIST 12 Spring Semester 10-12**

This course can be used to fulfill the “f” requirement for the University of California.

One semester of social studies credit may be granted for this course if the Visual and/or Performing Arts requirement has been fulfilled by other courses. (See page 8 – Art History for course description.)

- Homework estimate: 2 hours per week

**History of Women America**

**1606 HISTWMAM Semester 12**

This one semester course is open to seniors as a social studies elective. The course will examine the experiences of women throughout the history of the United States. Students will begin by looking at the lives of Native American women and continue on through to the present day. They will explore the lives of women involved in politics as well as the stories of not-so-famous and ordinary women. A goal of this course is to present women's history both as an important part of United States history and as a unique subject of historical study.

Homework estimate: 2 hours per week

**Economics AP (Micro and Macro)**

**1811 ECON AP Year 11-12**

This advanced study course is open to seniors. The course will follow the syllabus approved by the College Board. The first semester's work will focus on micro-economics. The second semester will cover macro-economics. Students are expected to take the AP examinations in micro and macro economics.

- Homework estimate: 0-3 hours per week (with possibly more prior to the AP exams)

STUDENTS WISHING TO TAKE AP ECONOMICS MUST HAVE THE APPROVAL OF THE INSTRUCTOR (MR. LYONS). SEE HIM WITH YOUR REGISTRATION FORM IN HAND TO GET HIS APPROVAL AND SIGNATURE.

\* **Denotes a course which may provide an opportunity to satisfy the senior project graduation requirement.**

## **MATHEMATICS**

Mathematics is offered in three college preparatory sequences. Generally, students take a four-year sequence that leads to readiness for the first calculus course in college. For those beginning this sequence in the 9<sup>th</sup> grade, the courses taken are Algebra 1, Geometry, Algebra 2 and Pre-Calculus.

Highly motivated students take a sequence that prepares them for the AB Calculus Advanced Placement exam as a senior. Those who do well on this test receive a semester of credit at most colleges. For those beginning this sequence in the 9<sup>th</sup> grade, the courses taken are Algebra 1A, Geometry A, Algebra 2/Pre-Calculus Honors and AB Calculus AP or Pre-Calculus A.

The most advanced students take a four-year sequence that culminates with the BC Calculus Advanced Placement exam as a senior. Those who do well on this test receive a year of credit at most colleges. For those beginning this sequence in the 9<sup>th</sup> grade, the courses taken are Geometry/Algebra 2A, Trigonometry/Analytic Geometry Honors, Analysis Honors and BC Calculus AP.

Elective courses are offered in Computer Science and Advanced Placement Statistics.

### **ALGEBRA / GEOMETRY**

#### **Introduction to Algebra**

**2314** **INTRO ALG** **Year** **9-10**

Suggested Course Preparation: Satisfactory achievement in arithmetic. The objective of this course is to prepare students for Algebra 1. Course content includes work in basic skills, problem solving, patterns, number properties, equations and inequalities, exponents, negative numbers, simple linear equations, formulas, basic statistics, basic geometry, and measurement.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Normal out of class work: 1.5 hours per week

#### **Algebra 1**

**2347** **ALG 1** **Year** **9-10**

The objectives of this course include the following: the understanding of the properties and structure of our number system and its operations; the development of skills basic to the solving of quantitative problems that arise in science, business and more advanced mathematics; the extension of the techniques of reasoning. The course content includes the following: work with sets of rational and irrational numbers and their properties; solution of linear equations and inequalities and graphs of both linear and quadratic functions; solving systems of equations both graphically and with linear combinations; products and factoring of polynomial, rational expressions, exponents, elementary statistics and probability, and problem-solving.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Normal out of class work: 2 hours per week

#### **Algebra 1A**

**2348** **ALG 1A** **Year** **9**

In addition to the objectives of the ALGEBRA 1 course described above, this course extends mathematical problem-solving techniques central to the broader understanding and application of Algebra 1 concepts. Students are evaluated on this deeper understanding of Algebra, as well as on a simpler conceptual level. More emphasis is placed on solving non-linear equations, solutions of quadratic equations and inequalities, and simplifying rational and radical expressions operations with matrices are also included.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Normal out of class work: 2 hours per week

	<u><b>Geometry</b></u>		
<b>2357</b>	<b>GEOM</b>	<b>Year / Summer</b>	<b>10-12</b>
	Suggested course preparation: Grades of “C” or better in ALGEBRA 1.		
	The objective of this course is to complete the study of geometric concepts and facts in a math-applied format. The course content includes all Euclidean facts regarding points, lines, angles, triangles, circles, polygons, solids, classical construction, transformations and some work including space. It also includes deductive reasoning (two- or three-column proofs, and proofs by contradiction), as well as an introduction to inductive reasoning.		
	<b>The following outcomes/ESLRs can be addressed through this course:</b>		
	<ul style="list-style-type: none"> <li>• ESLRs: 1, 2, 5, 6</li> <li>• Normal out of class work: 2.5 hours per week</li> </ul>		
	<u><b>Geometry A</b></u>		
<b>2358</b>	<b>GEOM A</b>	<b>Year</b>	<b>10</b>
	Suggested course preparation: Grades of “C” or better in ALGEBRA 1A.		
	The objective of this course is to complete a study of propositional Euclidean Geometry. Algebra is integrated with the geometry and coordinates and transformations are used throughout the course. Emphasis is placed on deductive reasoning. The course content includes Euclidean topics such as points, lines, planes, triangles, circles, polygons, solids, and constructions. The course also includes an introduction to analytic geometry and trigonometry.		
	<b>The following outcomes/ESLRs can be addressed through this course:</b>		
	<ul style="list-style-type: none"> <li>• ESLRs: 1, 2, 5, 6</li> <li>• Normal out of class work: 3 hours per week</li> </ul>		
	<u><b>Geometry / Algebra 2 Advanced</b></u>		
<b>2351</b>	<b>GEOM/ALG2A</b>	<b>Year</b>	<b>9</b>
	Suggested Course Preparation: Grades of “B” or better in a recognized Algebra course (8 <sup>th</sup> grade Algebra is acceptable) or department approval.		
	This course begins with an intensive algebra review and a short course in inferential logic. This is followed with a geometry course whose objectives and content are similar in scope to Geometry A (above). Finally, extensions into topics of advanced algebra are made as time allows.		
	<b>The following outcomes/ESLRs can be addressed through this course:</b>		
	<ul style="list-style-type: none"> <li>• ESLRs: 1, 2, 5, 6</li> <li>• Normal out of class work: 4 hours per week</li> </ul>		
	<u><b>ALGEBRA 2</b></u>		
	<u><b>Algebra 2</b></u>		
<b>2380</b>	<b>ALG2</b>	<b>Year</b>	<b>11-12</b>
	Suggested Course Preparation: Grades of “C” or better in both ALGEBRA 1 and GEOMETRY.		
	The objectives of this course include the following: extension of elementary algebra with emphasis on the structure of the real number system and eventual extension into the complex number system; a careful study of mathematical functions; a reinforcement of the connection between algebra and geometry, between number and space; a further extension of mathematical “systems.” The course content includes the following: the real number system and its extension into the system of complex numbers; mathematical functions—constant, linear, quadratic, rational, logarithmic, exponential and trigonometric; systems of equalities and inequalities; topics from analytic geometry and sequences. The graphing calculator is used in this course.		
	<b>The following outcomes/ESLRs can be addressed through this course:</b>		
	<ul style="list-style-type: none"> <li>• ESLRs: 1, 2, 5, 6</li> <li>• Normal out of class work: 3 hours per week</li> </ul>		

**Algebra 2 / Pre-Calculus Honors (Changed from Alg 2/Trig)**

**2384 ALG2PRCAL H Year 11**

Suggested Course Preparation: Grades of “B-” or better in both ALGEBRA 1A and GEOMETRY A or equivalent.

The objectives of this course include those for ALGEBRA 2 but includes a more thorough treatment of trigonometry, including analytic trigonometry, and a strong introduction to analytic geometry (points, lines, plane surfaces, graphs, polar and parametric forms). This course is designed to use the software package of the TI-83 graphing calculator.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 3 hours per week

**Trigonometry / Analytic Honors**

**2359 TRG/ANLT H Year 10**

Suggested Course Preparation: Grades of “B-” or better in GEOMETRY / ALGEBRA 2 ADV or equivalent.

The objectives of this course include emphasis on functions, trigonometry, and analytic geometry. The course content includes polynomial, exponential, rational, logarithmic, and trigonometric functions: complex numbers, analytic geometry of points, lines, planes, surfaces, graphs, parametric equations and polar forms. There is extensive use of the graphic calculator in this course.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 4 hours per week

**Analysis Honors**

**2399 ANALYSIS H Year 11**

Suggested Course Preparation: Grades of “B-” or better in TRIGONOMETRY/ANALYTIC GEOMETRY HONORS or equivalent.

This course includes an introduction to Discrete Mathematics including probability, combinatorics, Markhov Chains, Decision Theory, networks, matrices and their applications. An extended study of Analytic Geometry including vectors in 2- and 3- space, sequences series, mathematical induction and a formal study of limits are also part of the course. The course concludes with an introduction to calculus including difference quotients, the derivative, and the definite integral.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Normal out of class work: 6 hours per week

**PRE-CALCULUS**

**Pre-Calculus**

\* **2371 PRE CALC Year 12**

Suggested course preparation: Grades of “C” or better in ALGEBRA 2 or grade of “C-” in ALGEBRA 2/TRIGONOMETRY HONORS.

The objective of this course is to broaden the student’s in functions. The course will include exponentials, logarithms and extensive study of trigonometry, including sinusoidal applications and polar applications, topics in probability, statistics, sequence and series. The students will also be introduced to the concepts of limit and rate of change.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Normal out of class work: 2.5 hours per week

**Introductory Analysis and Calculus**

**2385 INTANL/CALC Year 12**

Suggested course preparation: “C” or better in ALGEBRA 2/TRIGONOMETRY HONORS or “A-” or better in ALGEBRA 2.

The objective of this course is to provide an in-depth study of functions, including trigonometric, exponential, and logarithmic. Trigonometric identities, trigonometric equations, polar coordinates, complex numbers, vectors, matrices. The course will include an introduction to limits, difference quotients, the derivative, and the definite integral.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Normal out of class work: 4 hours per week

**COLLEGE CALCULUS AP**

**AB Calculus AP**

**\*2449 AB CALC AP Year 12**

Suggested Course Preparation: Grade of “B” or better in ALGEBRA 2/PRE-CALCULUS HONORS or INTRODUCTORY ANALYSIS AND CALCULUS or equivalent.

The objective of this course is to develop the students’ understanding of the concepts of calculus and the ability to represent their results geometrically, numerically, algebraically and verbally. The course content focuses on the four main concepts of calculus—limit, derivative, definite integral, and indefinite integra. Students who perform well in the class may choose to take the Advanced Placement Exam in Calculus AP, administered by CEEB, possibly receiving college placement and/or credit.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 4 hours per week

**BC Calculus AP**

**\*2459 BC CALC AP Year 12**

Suggested Course Preparation: Grades of “B-” or better in ANALYSIS HONORS or equivalent.

The objective of this course is to provide the student with the equivalent of the first year of college mathematics. The course of study follows that of the Advanced Placement Program. Students who satisfactorily complete the course will take an Advanced Placement Examination in Mathematics, accepted by most colleges as evidence that the student has mastered the material for the first year of college mathematics and should be given credit and/or special placement in college. The course content includes the following: functions and limits, derivatives of algebraic functions, the definite and indefinite integral, area, volumes of revolution, differentiation of exponential, logarithmic, trigonometric and inverse trigonometric functions, methods of integration, infinite series, simple differential equations, vectors and applications.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 5 hours per week

**Advanced Placement Statistics**

**\*2319 AP STAT Year 11-12**

Required course preparation: “B” or better in Alg 2 or equivalent.

The objective of this course is to provide the students with the equivalent of an introductory college-level statistics course for which Advanced Placement credit is an option (pending successful completion of an AP Exam). The course is open to all students who have successfully completed Algebra II or equivalent. Course content involves examination of exploratory data analysis, experimental and survey design, the study of random variables (including some probability theory), and inferential statistics for one and two variables. Graphing calculators and

computers will be used extensively as an aide to statistical analysis. This course is specifically designed to use the statistical software package on the TI-83 graphing calculator.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 2 hours per week

**Programming Concepts (Computer Science 1) Replaces Computer Math**

**4593 PROGCONCPT Semester 10-12**

Suggested Course Preparation: Completion of Algebra 1, concurrent enrollment in Algebra 1A, or instructor permission.

The purpose is to give the students an introduction to programming basics. At the end of the class, the students should be able to write programs using functional and sequential programming. The student should have knowledge of concepts such as iteration, recursion, data structures, file I/O, and data abstraction.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 1 hour per week

**Computer Science Advanced Placement (Computer Science 10)**

**2489 COMPSCI AP Year 11-12**

Required Course Preparation: A grade of "C" or better in a previous C++ or JAVA programming course and/or permission of the instructor.

The course is designed to prepare students for the Advanced Placement Exam. The course includes top down design, iteration, procedures, functions, user-defined types, classes, arrays, files, sets, linked data structures, stacks, queues, pointers binary trees, searching and sorting algorithms. The students should be able to analyze code, in terms of functionality, efficiency, readability, reusability, modularity, and meaning.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 4 hours per week

**Programming Using JAVA (Computer Science 2)**

**2366 PROG JAVA Semester 10-12**

Suggested Course Preparation: Programming Concepts or instructor permission.

The student should finish this course with a basic, working knowledge of how to write simple JAVA programs. The student will learn how to transfer the techniques from Programming concepts to another language. Additional concepts will include an emphasis on object-oriented programming. Graphics, program design, and the distinction between a compiled and interpreted language will be also part of the course.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6, 7
- Normal out of class work: 1 hour per week

\* Denotes a course which may provide an opportunity to satisfy the senior project graduation requirement.

# **PHYSICAL EDUCATION—GUNN HIGH SCHOOL**

## **DISTRICT REQUIREMENTS:**

- A. Swim test (new students & 9<sup>th</sup> grade)
  - 1. Swim 200 yards in under eight minutes without stopping
  - 2. Tread water for five minutes
  - 3. Entry off diving board—feet or head

A swim class is required of those ninth graders who do not pass the swim test.

- B. California State Physical Performance Test (all grades)

***NOTE: P.E. credit or exemption is NOT given for marching band, drill team, cheerleading, rally, color guard, winter guard, or similar activities.***

District ESLRs addressed in PE classes = 1 and 6

Some activities also addresses ESLR 7

## **Physical Education**

2711	<b>PE 11</b>	<b>Semester</b>	<b>9-12</b>
2712	<b>PE 12</b>	<b>Semester</b>	

Team sports, individual and developmental activities are offered in a curriculum designed to be responsive to the student’s level of skills and interest. In addition, an effort is made to develop an interest in, and appreciation of, activity and its fitness aspects for the future. Choices are dependent upon student selections, facilities, and number of staff available during a given time period.

### **Course Offerings:**

- I. Team**

1. Soccer	6. Indoor Hockey	11. Street Hockey
2. Football (flag)	7. Sand Volleyball	12. Field Hockey
3. Basketball	8. Team Handball	
4. Softball	9. Ultimate Frisbee	
5. Volleyball	10. Lacrosse	
- II. Aquatics**

1. Swimming	3. Water Polo	
2. Diving	4. Water Safety	
- III. Ind/Development**

1. Personal Fitness	5. Self Defense (girls & boys)	8. Cycling
2. Badminton	6. Tumbling	9. Orienteering
3. Golf	7. Track and Field	
4. Tennis		

### **IV. Dance**

This is a semester course designed to give students of all dance backgrounds an opportunity to explore a variety of dance styles. Students will work on basic jazz, modern and ballet technique and have a chance to choreograph their own dance pieces in small groups and/or individually. Guest teachers and students may present workshops in swing/ballroom, tap, musical theatre, improvisational movement, aerobics and world dance.

### **The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 4, 6
- No homework but students may put in hours outside class before performances.

**Junior/Senior PE**

**2798 Semester 11-12**

This semester class is designed to give students in junior and senior years intermediate and advanced level work in various sports. Students will also work independently on personal fitness.

**Teaching Assistant**

**2956 PE TCHAST Semester 11-12**

This course is for students who enjoy assisting others with physical education skills. Students who are Teaching Assistants will demonstrate sports skills and work individually with students in physical education classes in a leadership role.

**SPORTS Year 9-12**  
**SPORTS 11 Semester**  
**SPORTS 12 Semester**

Sports are limited to those wishing to compete in the SCVAL. A current physical examination is required for enrollment. To be eligible, students must have passed 20 units of credit and maintain a grade point average of 2.0. Students must also be currently passing 20 units of credit. Students enrolled in a PE class may be exempted from attending the class during the Gunn Athletic season. To receive an exemption students must submit a request form which has been signed by both their parents and their coach. The student athlete will receive a grade and credit based on the written athletic assignment and their return to P.E. following the last athletic contest.

**INTERSCHOLASTIC SPORTS**

**Semester 1**

<b>Boys Sports</b>	<b>Girls Sports</b>
<b>Fall:</b> Cross Country * Football * Water Polo	<b>Fall:</b> Cross Country * Water Polo * Tennis * Volleyball
<b>Winter:</b> * Basketball * Soccer Wrestling	<b>Winter:</b> * Basketball * Soccer * Wrestling

**Semester 2**

<b>Boys Sports</b>	<b>Girls Sports</b>
<b>Spring:</b> * Badminton * Baseball * Golf Swimming and Diving * Tennis Track and Field	<b>Spring:</b> * Badminton * Golf * Gymnastics * Softball Track and Field Swimming and Diving * Lacrosse

\* Cut sports

**Co-Ed Adapted Physical Education**

**\*2750 ADAPTED PE Year 9-12**

An adaptive physical education class is available for students for whom an assessment has been made by a multi-disciplinary Individual Education Planning (IEP) team. This assessment takes into consideration all other physical education options, health history, current medical status, and APE assessment for the students.

**Physical Education Medical Exclusion**

**\*9578 PE MED EXC Year**

Unless directed otherwise by a physician, students are expected to complete their 20 units of P.E. requirement before graduation.

**\* DO NOT RECORD THIS COURSE ON YOUR REGISTRATION FORM.**

### **9<sup>th</sup> PE**

All freshmen are required to complete the first semester of physical education. This course is designed specifically for 9<sup>th</sup> grade students. The activities are a combination of those required by the State Physical Education Framework and the district Living Skills outcomes, i.e., First Aid, CPR, and the relationship between nutrition and health.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 5, 6, 7

<b>2796 PE 9</b>	<b>First Semester for 9<sup>th</sup> graders</b>
<b>2711 PE 11</b>	<b>First Semester for 10<sup>th</sup> graders</b>
<b>2712 PE 12</b>	<b>Second Semester for 9<sup>th</sup> and 10<sup>th</sup> graders</b>
<b>2710 DANCE</b>	<b>Semester</b>
<b>2731 DANCE</b>	<b>Year</b>

Dance may not be taken by 9<sup>th</sup> graders in first semester.

## **Time Commitment for Sports**

**Fall Sports** - All Fall Sports start a week before school and run approximately through November 10. Each sport practices everyday.

**Boys' and Girls' Volleyball** - 2 hours a day, two matches a week, Saturday practice or tournaments.

**Cross-Country** - 2 hours a day, one meet a week.

**Girls' Tennis** - 2 hours a day, two matches a week. 1 week summer practice

**Boys' and Girls' Water Polo** - 1.5 hours a day, some morning workouts, a game each week. Tournaments most Saturdays.

**Football** - 2 hours a day, one game a week. Extensive off-season training including summer.

**Winter Sports** - All Winter Sports start the final Monday in October and run through the second week of February.

**Boys' and Girls' Basketball** - 1.5 hours a day, including Saturday, two games a week. Off-season practices in fall and summer

**Boys' and Girls' Soccer** - 2 hours a day, two games a week.

**Wrestling** - 2 hours a day, one match a week and tournaments most Saturdays.

**Spring Sports** - All Spring Sports start the final Monday in January and run through the first week of May.

**Badminton** - 2 hours a day including Saturday. Matches twice a week.

**Boys' Golf** - 2 hours a day at local golf courses. One match a week.

**Boys' Tennis** - 2 hours a day. Matches twice a week.

**Boys' and Girls' Track and Field** - 2 hours a day, meets once a week.

**Boys' and Girls' Swimming** - 2 hours a day, meets once a week.

**Girls' Lacrosse** - 2 hours a day, games once a week, some Saturday games.

**Baseball** - 2 hours a day, games twice a week.

**Softball** - 2 hours a day, games once a week.

**Girls' Gymnastics** - 2 hours a day, meets once a week. Practices are at Twister's Gym on San Antonio.

## **SCIENCE**

Ninth grade Science (1 or 1AC) is a required course for all students. To graduate from high school, students are required to have one year of physical science and one year of life science. The student whose plans include college or university generally takes courses in Biology, Chemistry and Physics and often decides to take additional science electives such as Astronomy, Biotechnology, AP Biology, AP Physics. Those students who have an interest in technical careers such as mathematics, engineering, medicine, and laboratory sciences often take the accelerated and advanced placement courses if math placement and teacher recommendations indicate a readiness for such an accelerated program. The honors/advanced placement courses carry weighted grades.

Biology 1, Chemistry 1, and Physics 1 are college preparatory courses and meet the University of California requirements for a lab science. They are less mathematical in nature. Biology 1A and Physics 1A are more advanced college preparatory classes with more emphasis in data analysis in learning concepts.

Chemistry 1H, College Biology AP, and College Physics AP C are the most rigorous courses with the AP courses taught at the college level. This course sequence forms the core of the accelerated science sequence, with a strong focus on mathematical analysis and experimental application of concepts. Students should expect to spend up to 8 hours per week outside of class, especially for AP courses. These are college level courses and conform to college expectations of 2-3 hours of outside work for each hour of class time.

Astronomy and Biotechnology are usually taken concurrently with chemistry or physics in the junior or senior years.

NOTE 1: The science course sequence aligns with the math sequence so that students will have the appropriate training in math to be successful in science each year. Although some science courses are offered in summer school, it is not recommended that students take summer school courses to accelerate in science. Appropriate math skills may be lacking or weak and the shortened summer school session does not offer as rich or as extensive a learning experience as does a full year of science.

NOTE 2: Students are strongly encouraged to select among course levels wisely, consulting with teachers regarding appropriate placement. Changes in course level after school begins in the fall are often difficult due to high enrollment and differences in content sequence. **Students may change from one level to another only within the first few weeks of school and only if enrollment totals can accommodate the change.**

### **First-Year Science**

**3530 SCIENCE 1**                      **Year**                      **9**

Strongly recommended: passing grades in both Science 8 and either Math 8 or Algebra 8.

This course meets graduation and California State University requirements for a physical science.

Science 1 is an integrated science course. The course combines topics from earth science, physical science, and ecology in a year of comprehensive study. Students are introduced to scientific methodology and problem-solving as well as laboratory techniques and decision-making skills. The course includes long-term projects where students are involved in data collection and scientific research related to the content area of study. The course provides the foundation for further study in the sciences.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 5, 6
- Homework estimate: 2-3 hours per week

**3542 SCIENCE 1AC**                      **Year**                      **9**

Prerequisites: "A" or "B" in Algebra 8 or "A" in Math 8, and an "A" in Science 8.

Consent of department required for exceptions.



**College Biology AP****\*3139 COLBIOL AP**                      **Year**                      **11-12**

Prerequisite: Chemistry 1H (A grade), or Chemistry 1H (B grade) with Biology 1A (A grade); Trigonometry/Analytic H (grade A or B), or Algebra 2/Trig H (grade A or B). (Note: summer school classes in chemistry do not provide the experience necessary for successful progress in College Biology AP.) Consent of department required for exceptions.

This course meets graduation, University of California and California State University laboratory science requirements.

AP College Biology is designed to provide a survey of biological knowledge at an introductory college level. Because successful completion of the curriculum will enable students to take the College Board Advanced Placement Examination, the course follows the outline recommended by the College Board, covering the general content areas of: (1) Molecular and Cellular Biology; (2) Genetics and Evolution; and (3) Organisms and Populations.

The course focuses on developing the ability to integrate content information from multiple units, utilizing several common themes: (1) relationships between structure and function; (2) acquisition, transformation and use of energy; and (3) adaptation leading to evolutionary fitness. Each of these is approached at all levels of organization in biology, from molecules to ecosystems, with particular attention paid to properties that emerge as organizational complexity increases. Heavy emphasis is placed on understanding the connection between experimentation and scientific discovery. Both hands-on laboratory activities and scientific readings are used to show how biological information is gained, interpreted, and applied. This information is then used to formulate hypotheses concerning the biological consequences of current areas of biological research. Required homework includes extensive reading, regular written lab reports, occasional group projects, and a year-end independent research project.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Homework estimate: 8 hours per week

**Chemistry 1****3610 CHEMIST 1**                      **Year**                      **11-12**

Prerequisite: Completion of Science 1 (pass) and Biology 1 (pass) or the equivalent. Completion of or concurrent enrollment in Algebra 2 or Pre-Calculus. (Students who are earning an "A" in A-level mathematics and science should consider Chemistry 1H.) Consent of department required for exceptions.

This course meets graduation, University of California and California State University laboratory science requirements.

Chemistry 1 is intended for students who would have difficulty with the quantitative aspects of the Chemistry 1H course, but who want to study the basic concepts of chemistry. Topics covered include atomic structure, chemical bonding, physical and chemical properties of matter, acid-base chemistry, organic chemistry, nuclear chemistry, and environmental chemistry.

The course includes many laboratory experiments and demonstrations. Students learn how to work safely in the laboratory, how to perform basic laboratory operations, how to organize and interpret data, how to draw conclusions from experimental results. In the second semester, students are taught how to read and evaluate media items that involve chemistry.

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 5, 6, 7
- Homework estimate: 2-3 hours per week

**Chemistry 1H****3619 CHEMIST 1H**                      **Year**                      **11-12**

Prerequisite: "Completion of Science 1AC (grade A or B+ recommended) or Biology 1A (grade A recommended) or equivalent. Completion of Algebra 1A and Geometry A (grades of A





**Biotechnology: Theory and Practices (ROP)/Science**

**3955 BIO TECH Year 11-12**

Prerequisites: Successful completion of Biology; completion of or concurrent enrollment in Chemistry. Strongly recommended: concurrent enrollment in Chemistry, Physics, Astronomy, or AP Biology. Students who do not meet these criteria must discuss eligibility with the instructor.

This course satisfies University of California entrance “d” requirements for science; satisfies high school graduation requirement for Vocational Education. Optional credit is available through Foothill College Biotech Program.

This course will introduce students to the theoretical aspects of Biotechnology (Cell Biology, Microbiology, Molecular Biology, Immunology) and societal issues arising from this new technology. Hands on laboratory activities will reinforce theoretical information and teach lab safety, data analysis, the scientific method, and related computer skills. This course will include topical speakers from biotechnology industry and research and field trips to visit nearby biotech industry sites and labs. (See cross listing in Career-Vocational Education Department)

**The following outcomes/ESLRs can be addressed through this course:**

- ESLRs: 1, 2, 3, 4, 5, 6, 7
- Homework estimate: 3 hours per week (extra 1 hour per week during project time)

\*Indicates courses which offer an embedded graduation project or an opportunity to extend an existing project to qualify as a graduation project.

## **ADDITIONAL OFFERINGS**

### **Living Skills**

**\*8447 LIV SKILL Semester / Summer only 9-12**

For the 2002-2003 school year this course will be offered as a proficiency-based graduation requirement. Students will receive instruction in the required learning outcomes in several different required courses over two years. They will be expected to keep a portfolio of work as evidence of proficiency. **Students should not record this class on their registration form.**

### **Mastering Technology**

**8455 MASTR TECH Year 11-12**

Mastering Technology encourages students to learn to use technology. There will be no formal class time; students work independently and in small groups under the guidance of an adult mentor. Students will receive a guaranteed "A" for up to the full ten credits of a traditional year-long course if their work is completed. The amount of credit awarded is based on fulfillment of work in two categories:

**Category 1:** Students will be awarded a single credit for learning each of up to five new technologies.

**Category 2:** Working in groups of three or four under the guidance of a mentor from business or industry, a student will earn up to five credits for completing a project that uses a technology in completion and presentation.

This course is intended for juniors and seniors; application details are available from your counselor.

### **Independent Study**

**\*52** The objective of this offering is to provide the able student with an opportunity to do independent study or research under the guidance of a department. The research or study will vary and will be determined in consultation between the student and a departmental advisor. It will generally be guided by the student's interests.

**\* DO NOT RECORD THIS COURSE ON YOUR REGISTRATION FORM.**

### Senior Project

**8475 SENIORPROJ Semester 11-12**

Senior Projects is a semester-long course offered both semesters, open to both seniors and juniors. In this course, taught by an interdisciplinary team of teachers, students develop and pursue a project of their own devising. Many students have interests which regular courses either do not address or do not address with the depth that some students desire; this course is for those students. As part of the course, students learn how to develop a project, set long- and short-term goals, research relevant information, write a paper communicating their findings, and exhibit their project and findings to a panel of evaluators.

### School Service

**8385 SCHSERV 11 Semester 1 9-12**

**8386 SCHSERV 12 Semester 2 9-12**

Offers the student an opportunity to give valuable service to the school and gain valuable experience in the process. While students who have some clerical skills are needed, those students who may be thinking of teaching as a career should be most interested. In this program they will be given the opportunity to work with teachers in the classroom and school offices in their particular fields of interest, thus gaining a better understanding of teaching as a career. They will also work with experienced office personnel, helping in the preparation and handling of educational materials. This course may be taken for a semester or a year and is open to students of all grade levels.

## **PROGRAM FOR STUDENTS WITH SEVERE HEARING LOSS**

The following courses are especially designed to meet the needs of students with severe hearing loss. Courses offer content similar to those in regular programs.

<b>8207 English 1 DHH</b>	<b>ENG 1DHH</b>
<b>8210 English 2 DHH</b>	<b>ENG 2DHH</b>
<b>8212 English 3 DHH</b>	<b>ENG 3DHH</b>
<b>8214 English 4 DHH</b>	<b>ENG 4DHH</b>
<b>8293 Creative Writing DHH</b>	<b>CRWRIT1DHH</b>
<b>8294 Reading DHH</b>	<b>READINGDHH</b>
<b>8232 Cont. World History DHH</b>	<b>CONTWLDDHH</b>
<b>8235 U.S. History DHH</b>	<b>US HISTDHH</b>
<b>8295 Economics DHH</b>	<b>ECON11DHH</b>
<b>8238 World History DHH</b>	<b>WLDHISTDHH</b>
<b>8296 Government 11 DHH</b>	<b>GOVT 11DHH</b>
<b>8297 Study Skills DHH</b>	<b>STUDYSKDHH</b>

**DHH = Deaf/Hard of Hearing**

## **DISTRICT ALTERNATIVE PROGRAMS**

Programs are available at the high school level for students who desire or need an alternative instructional approach. These programs provide students with opportunities to earn credits in a manner which is consistent with their own level of ability, interests, talents, and overall orientation to school. For further information, contact Student Services at 833-4262.

The school district has developed a variety of options for high school completion so that each student can finish high school in a productive and purposeful way. We currently offer the following programs for students to utilize as alternative programs at our comprehensive high school:

**Adult Education:** Students can enroll in classes to prepare for the General Education Diploma (G.E.D.) shortly before their 18<sup>th</sup> birthday or earlier under special arrangements with the Adult Education principal. Students may also complete course work through Adult Education which can be transferred back to their high school to satisfy graduation requirements. To be enrolled in an Adult Education class, a high school student must be concurrently enrolled in a minimum of five regular high school classes.

**Middle College Program at Foothill:** This program is designed as an alternative for students who are mature enough to handle a college level environment and who can take responsibility for their own educational planning and credit completion. Students take both high school and college level classes on the Foothill campus. Counseling and academic support services are also available.

**Alta Vista Continuation High School:** This alternative for students of the Mountain View/Los Altos and Palo Alto Unified School Districts emphasizes personalized instruction, integrated study, and vocational education and training. Students take core courses, elective classes and/or vocational courses. Students are referred to this program by high school staff.

**Santa Clara County Alternative Schools Department:** The County Office of Education provides educational programs for students who are under court supervision or who are not attending regular school for a variety of reasons. The educational program at all sites emphasizes academic competencies, as well as behavior and attitude change.

**Contract Learning:** Contract/independent study possibilities are offered to those who need credits for graduation. Generally, these students will continue to be enrolled at the comprehensive high school while working independently.

**California High School Proficiency Exam:** This examination which yields the equivalent of a high school diploma given by the State Department of Education is currently offered twice a year for high school students aged 16 and above. Upon passing the exam and with the parents' approval, a student is no longer subject to mandatory high school attendance laws and may leave high school to work or go on to a college program.

Opportunity High School, Mt. View/Los Altos High School District and Foothill College have partnered to provide a specialized program for students requiring an alternative setting.

### **\*9451 OPPORTUNITY**

Students need an alternative placement meeting before entering this program.

The Opportunity Program serves grades 9 through 10 (students under 16 years of age) who need a small, self-contained instructional setting for a majority of the school day. The program provides instruction in English, Social Studies, Math, Science, and Life Skills, emphasizing a personalized approach to instruction when needed. Curricular content corresponds to that of the regular program, although learning may be self-paced and adapted to individual needs.

**\*DO NOT RECORD THIS NUMBER ON YOUR REGISTRATION FORM.**

## **ADULT EDUCATION**

### **(Palo Alto High School / Community Locations)**

The Adult Education Program serves students who are at least 16 years of age and interested in completing work toward a high school diploma or a General Education Diploma. Courses are offered in a wide range of subjects leading toward a high school diploma, as well as basic skills preparation and vocational training. We offer a variety of classes which include Macintosh and IBM computers, piano, foreign languages, ceramics, and much more. The Adult Education Program offers courses at sixteen locations, including Palo Alto High School and middle school campuses. Call 329-3752 for more information.

#### **G.E.D./CHSPE Preparation**

##### **\*9495 G.E.D. CHSP**

Students desiring to complete their high school education by examination may elect to take the California High School Proficiency Examination (CHSPE) or exams for General Education Diploma (G.E.D.). Students must be 16 years of age to take the CHSPE and 18 years of age to take the G.E.D., although under special circumstances, students may take the G.E.D. at age 17.

Preparation for both examinations is available for credit through the Adult Education Program. Enrollment may take place at any time during the school year, and credit may be earned based upon the number of hours of attendance in the class or program.

Students who pass the G.E.D. exam must apply to the State Department of Education for their equivalency certificate, and those who pass the California High School Proficiency Examination may leave school after age 16 with parent permission.

Please contact the Adult School Principal before registering for this program at 329-3752.

**\* DO NOT RECORD THIS NUMBER ON YOUR REGISTRATION FORM.**