



# COURSE SELECTION GUIDE

## 2009 - 2010

Arcadia High School  
180 Campus Drive, Arcadia, California 91007  
(626) 821-8370 Website: <http://www.ausd.net>  
Safety Hotline – (626) 821-4682

## TABLE OF CONTENTS

Administrative Directory .....	1
AHS Offices & Support Staff .....	2
Counseling Offices .....	3
Counseling Services .....	4
• Community College Prep (formerly the Alternative Program)	
• Programming Information	
• Changing or Dropping Classes	
• Length Of School Day	
• Senior Schedule Requirements	
• No Class	
• Summer School - State Funded, Regional Occupational Program, and AEF	
• Transcripts	
Graduation Requirements.....	8
• Credits	
• Prerequisites	
College and Career Planning.....	10
• California State University (CSU) Requirements	
• University of California (UC) Requirements	
• National Collegiate Athletic Administration (NCAA) Eligibility	
• Regional Occupational Program (ROP)	
Programs and Opportunities .....	23
• Special Education	
• Resource Specialist Program	
• Special Day Class	
• WorkAbility	
• Transition Partnership Program (TPP)	
• Psychological Services	
• Language And Speech Services	
• California Scholarship Federation (CSF) Rules and List	
• National Honor Society (NHS) Rules and List	
 <b>Course Listings and Descriptions</b>	
<b>Careers and Technology .....</b>	<b>30</b>
<b>English .....</b>	<b>35</b>
<b>English Language Development (ELD) SDAIE.....</b>	<b>40</b>
<b>Mathematics .....</b>	<b>43</b>
<b>Non-Departmental .....</b>	<b>48</b>
<b>Performing Arts .....</b>	<b>49</b>
<b>Physical Education .....</b>	<b>53</b>
<b>ROP.....</b>	<b>55</b>
<b>Science .....</b>	<b>60</b>
<b>Social Science.....</b>	<b>64</b>
<b>Visual Arts .....</b>	<b>68</b>
<b>World Languages.....</b>	<b>72</b>
Index.....	75

---

**ARCADIA UNIFIED SCHOOL DISTRICT**

**SUPERINTENDENT**

Dr. Joel Shawn

**DEPUTY SUPERINTENDENT**

Mr. Robert Leri

**GOVERNING BOARD**

Mrs. Janet Chew  
Mrs. Maryann Gibson  
Mr. Cung Nguyen  
Mrs. Lori Phillipi  
Mrs. Joann E. Steinmeier

**HIGH SCHOOL ADMINISTRATION**

Mr. David Vannasdall, Principal .....dvannasdall@ausd.net  
Mr. John Finn, Assistant Principal .....jfinn@ausd.net  
Mrs. Jennifer Lashier, Assistant Principal ..... jlashier@ausd.net  
Ms. Catherine Merel, Assistant Principal ..... cmerel@ausd.net  
Mr. Craig Wiblemo, Assistant Principal..... cwiblemo@ausd.net  
Mr. Keith Kerney, Dean of Students ..... kkerney@ausd.net  
Mrs. Linda Mackessy, Dean of Students..... lmackessy@ausd.net  
Ms. Kathy Patterson, Facilities Manager ..... kpatterson@ausd.net

Arcadia High School  
180 Campus Drive, Arcadia, California 91007  
(626) 821-8370 WEBSITE: <http://www.ausd.net>  
Safety Hotline - 821-4682

---

**Principal's Office**

Mr. David Vannasdall .....Principal  
Secretary .....Mrs. Teresa Schreiner ..... 821-1711  
Office Assistant.....Mrs. Stephanie Harvey ..... 821-1754

**Assistant Principal's Offices**

Mr. John Finn .....Assistant Principal Instructional Leadership  
Secretary .....Ms. Sue Martin..... 821-1759

Mrs. Jennifer Lashier.....Assistant Principal Instructional Leadership  
Ms. Kathy Patterson.....Facilities Manager 821-8370 X1256  
Secretary .....Ms. Carol Ottaviano..... 821-1757

Ms. Catherine Merel .....Assistant Principal Instructional Leadership  
Secretary .....Mrs. Marianne von Kriegenbergh..... 821-1778

Mr. Craig Wiblemo .....Assistant Principal Instructional Leadership  
Secretary .....Mrs. Niki Boardman..... 821-1791

**Dean's Office**

Mr. Keith Kerney.....Dean of Students  
Mrs. Linda Mackessey .....Dean of Students  
Secretary .....Ms. Sue Martin..... 821-1759

**Athletic Office**

TBD .....Athletic Director  
Office Assistant.....Mrs. Kathy Casares ..... 821-8370 x 1075 or 821-1733  
Office Assistant.....Mrs. Mel Giangrande ..... 821-8370 x 1075 or 821-1733

**ASB Office**

Mr. John Tung .....Activities Director  
Account Assistant .....TBD ..... 821-1751  
Office Assistant.....Mrs. Julie Orlowsky ..... 821-1749

**Attendance Office**

Attendance Technician.....Mrs. Mary Cooper..... 821-1770  
Office Assistant.....Mrs. Carol Ellsworth ..... 821-8370 X1098

**Career Center**

Career Center Office Assistant .....Mrs. Keppie Sullivan ..... 821-8370 x1203

**Health Office**

District Nurse .....Ms. Selena Riedel ..... 821-1731  
Health Assistant.....Mrs. Mechelle Avila ..... 821-1752

**Library**

Librarian .....Mrs. Janet HasBrouck..... 821-1787  
Library Assistant .....Mrs. Maureen Swensson..... 821-8370 x1207  
Textbooks .....Mrs. Maria Diaz ..... 821-8370 x1091

**Records Office**

Registrar .....Mrs. Suzanna Ramirez ..... 821-1744  
Office Assistant.....Mrs. Lori Linnecke ..... 821-1744

**Regional Occupational Program (ROP)**

ROP Coordinator.....Mrs. Debra Young ..... 821-1775  
ROP Counselor .....Ms. Cindi Franz ..... 821-8370 x1104  
ROP Technician .....Mrs. Lorraine Aragon..... 821-8370 x1057

---

**Support Staff**

Counseling Secretary ..... Mrs. Linda Nichols ..... 821-1795  
Counseling Office Assistant ..... Mrs. Lucille Chiu ..... 821-8370 x1121  
Career Center Office Assistant ..... Mrs. Keppie Sullivan ..... 821-8370 x1203

**Bridge Counselors – 9<sup>th</sup> grade**

Mr. Kevin Darr. .... [kdarr@ausd.net](mailto:kdarr@ausd.net)  
Mr. Andrew Poon ..... [apoon@ausd.net](mailto:apoon@ausd.net)  
Ms. Gina Zavala ..... [gzavala@ausd.net](mailto:gzavala@ausd.net)

**Grade Level Counselor – 9<sup>th</sup> grade**

Ms. Kristina Grumbine .. [kgrumbine@ausd.net](mailto:kgrumbine@ausd.net)

**Grade Level Counselors – 10<sup>th</sup> grade**

Ms. Winnie Chin ..... [wchin@ausd.net](mailto:wchin@ausd.net)  
Ms. Jennifer Oku ..... [joku@ausd.net](mailto:joku@ausd.net)

**ELD/Special Education Counselor 10-12 grades**

Ms. Vicky Hsu ..... [vhsu@ausd.net](mailto:vhsu@ausd.net)

**Grade Level Counselors – 11<sup>th</sup> grade**

Mrs. Toni Fox..... [tfox@ausd.net](mailto:tfox@ausd.net)  
Ms. Tammie Tran ..... [ttran@ausd.net](mailto:ttran@ausd.net)

**Grade Level Counselors – 12<sup>th</sup> grade**

Ms. Kathy Rapkin ..... [KATHYR@ausd.net](mailto:KATHYR@ausd.net)  
Mrs. Sharon Sandoval... [ssandoval@ausd.net](mailto:ssandoval@ausd.net)

**College, Career and CCP Counselor**

Mrs. Laurie McQuaid..... [LAURIE@ausd.net](mailto:LAURIE@ausd.net)

**ROP Counselor**

Ms. Cindi Franz ..... [CINDIF@ausd.net](mailto:CINDIF@ausd.net)

[www.ausd.net/ahs](http://www.ausd.net/ahs)- click on Counseling

---

## **National Standards for School Counseling**

In 2000, the Arcadia High School Counseling Department adopted the National Standards for School Counseling as their blueprint for comprehensive guidance services at Arcadia High School. The National Standards comprise three domains: Personal/Social, Academic, and College/Career. The counseling team provides services in the following areas:

### **1. Personal/Social Domain**

The counselors assist students by providing support and guidance to improve school performance. Counselors are available on a daily basis to discuss personal concerns with students. Counseling interns, the school psychologist, and school nurse are also available to assist students. Counselors:

- Provide immediate assistance at the Counselor of the Day desk.
- Identify and refer students to Student Assistance Committee (SAC) for intervention services.
- Identify and refer students for outside counseling services
- Provide consumable resource booklets on a variety of teen issues
- Provide crisis intervention and appropriate mental health referrals
- Provide assistance and guidance via individual parent meetings
- Provide personal counseling and guidance
- Serve as advisors to the Student Council Orientation Commission (SCOC)

### **2. Academic Domain**

The counselors assist students and their parents with high school educational planning and programming to ensure that students have an appropriate secondary education and graduate from Arcadia High School in a timely manner. In addition, counselors help students in selecting coursework that supports their post-secondary choices, educational and vocational. Counselors:

- Advise students with regard to course selection and planning
- Recommend students to summer school for remediation or enrichment
- Monitor graduation status
- Identify and refer students to adult education to recover lost credit
- Provide referrals for adult/student tutoring
- Provide individual academic counseling to students and parents
- Identify and refer students to Reading and Math Intervention Programs
- Provide high school orientation for 8<sup>th</sup> grade students
- Provide information regarding the California High School Exit Exam (CAHSEE)
- Refer students for academic testing and alternative placement.
- Conduct parent informational meetings

### **3. College/Career Domain**

The counselors also assist students by providing information and guidance pertaining to college admissions, college entrance requirements, testing, scholarships, financial aid and the completion of college applications. Career planning for all students is emphasized by means of the computer programs available in the Career Center. Counselors:

- Conduct grade level college/career search programs
- Provide access to representatives from the United States Armed Services
- Provide college letters of recommendation, secondary school reports, and mid-year reports
- Provide GPA verification for college scholarships and financial aid
- Monitor and assist students with NCAA eligibility and registration
- Assist students with college application
- Maintain and provide access to a college representative visit program
- Maintain a library of college videos and catalogs in Career Center
- Provide information regarding SAT/ACT registration
- Provide referrals to SAT/ACT preparation classes
- Sponsor PSAT interpretation
- Sponsor financial aid workshops
- Provide college and career information via an electronic message system
- Maintain catalog of summer internships, study programs and volunteer opportunities
- Provide access to community college and California State University system via office hours with PCC and Cal State LA representatives

### **The CCP Program: Community College Prep (formerly the ALternative Program)**

**The Objective:** The objective of the CCP program is to ensure that AHS students have access to alternative methods of acquiring a high school diploma and the knowledge, skills, and attitudes necessary to become responsible and productive members of society.

**Program Description:** Students in the CCP program work toward the same standards as those in the mainstream classroom program. Class sizes in the CCP program are smaller, resulting in more one-on-one teacher support and allows for an individual learning pace to help students achieve success. Students graduating from Arcadia High School and the CCP program will be prepared to enter the Community College System with options to transfer to a four year university, depending on elected programs at the individual college.

**What makes this program work?**

- Commitment from AUSD and Arcadia High School
- Parents and students who actively participate in the program
- Students come to the program voluntarily
- Low student/teacher ratio
- Smaller, more personal environment

Students in the CCP are Arcadia High School students who remain in classes on the AHS Campus. Students can participate in main campus activities. Students enroll in a variety of AHS electives, and all students

enroll in a mainstream first period AHS class. Students who successfully complete requirements for graduation will earn the Arcadia High School diploma.

**Facts about the program:** The CCP program uses an outcomes based methodology for grading and credit. Grades are based on participation in class, and the results of classroom assignments and benchmark assessments. Successful completion of each semester course (D grade or higher) results in earning five credits toward graduation. CCP students often enroll in after school ROP classes and/or Arcadia Adult School to make up additional credit toward high school graduation.

**PROGRAMMING FOR HIGH SCHOOL**

The selection of a program is one of the most important decisions to be made during the high school years. It is essential that each student choose subjects carefully and with a goal in mind. In the spring, each student meets individually with a counselor to review his/her transcripts and select courses for the following school year. Counselors advise students on meeting both the Arcadia High School graduation and college admission requirements. As a result of Senate Bill 1802, counselors also review CAHSEE requirements and proficiencies, and attendance and discipline records. A review and explanation of educational options, including career technical education, vocational education, ROP, and summer school enrollment in state funded classes are also conducted at this time. Programming materials and requests must be signed by a parent and returned by the due date posted in order for students to receive a schedule of classes. **There will be no changes made after the programming materials have been returned. Please adhere to the due dates listed on programming materials.**

**CHANGING OR DROPPING CLASSES**

During the first four weeks of a semester, students **may request a change in their schedule according to the guidelines in the table below.** Changes require a petition form which is available at the Counselor of the Day desk. Due to limitations in the master schedule, changes are not guaranteed. Therefore, the Counseling Department encourages students to select their coursework very carefully. If problems arise, parents and students are advised to speak with the classroom teacher to identify strategies for success before seeking assistance from the counselor. A list of teacher e-mail addresses and phone numbers is available on the Arcadia High School website at [www.ausd.net/ahs](http://www.ausd.net/ahs).

**Please note that requests for teacher changes will NOT be honored.**

<b>COURSE DROP PROCEDURE IS AS FOLLOWS:</b>	9 <sup>th</sup> grade	10 <sup>th</sup> grade	11 <sup>th</sup> grade	12 <sup>th</sup> grade
Drop a semester elective for a 5.0 credit Teacher Aide (TA)* by the end of the 2 <sup>nd</sup> week of the semester. (College preparatory courses require a petition.**)	N/A	N/A	N/A	X
Request a level change (AP to Honors*** or AP to College Preparatory or Honors to College Prep) by the end of the 4 <sup>th</sup> week of each semester. A student's <u>grade does not follow if level changes</u> are within this time frame. Petition required.** Changes subject to availability.	X	X	X	X
Request a drop from a year-long academic course for a 5.0 credit TA* by the end of the 4 <sup>th</sup> week of the fall semester. Petition required.**	N/A	N/A	X	X
Request a drop from a year-long academic course for a 5.0 credit TA* by the end of the 4 <sup>th</sup> week of the spring semester. Petition required.**	X	X	X	X

\*Students are limited to one Teacher Aide (or Office Aide) per semester.

\*\*Petitions require approval and signature from parent/guardian, classroom teacher and department chair. Petitions are available at the Counselor of the Day desk.

\*\*\* Level changes from AP to Honors apply only to courses in World Languages.

---

### **Private College Recommendations /Transcripts**

A processing fee is charged for each private college or scholarship transcript. Fees will be charged according to the following schedule:

#### **Regular Decision College Application Deadlines:**

October 1, 2009 – October 30, 2009; \$10.00 processing fee.

**Penalty for Late Requests:** \$20.00 processing fee.

#### **Early Decision College application Deadlines:**

Counselors must receive a minimum of 4 weeks notice (not including holidays) prior to the deadline. For example, students applying to colleges with a November 1<sup>st</sup> Early Decision Deadline, must submit their request for letters of recommendation by October 1<sup>st</sup>. This processing fee includes the Arcadia High School official transcript, school profile, letter of recommendation and completion of necessary counselor recommendation forms. A maximum of eight letters per student can be processed. Students must give counselors four (4) working weeks advanced notice when requesting letters of recommendation.

### **Grading in Academically Advanced Course**

Board Policy states: "A Student not performing at least at a "C" level may be transferred on the initiative of the teacher, the counselor, the student, or the parent. A student declining such a transfer will be graded on his/her achievement in the range from A to F." "Any transfer of a student into or out of the academically-advanced program should be preceded by a parent conference with the counselor and teacher."

### **Length of School Day**

Freshmen, Sophomores and Juniors are required to be enrolled in six periods unless the administration has approved an alternative schedule.

### **Senior Schedule:**

Senate Bill 813 requires that seniors be enrolled in a minimum of five courses per semester or the equivalent number of courses per quarter. Regional Occupation Programs (ROP), Independent Study, Special Education, and Work Experience may be used in the fulfillment of the five course requirement.

### **No Class**

With counselor and parent approval, a senior may elect to enroll in No Class either first or sixth period. No credit is given for a No Class. Requests for No Class must be made during the programming session in the Spring, prior to the Senior year. Juniors who have met all subject requirements and who have earned a total of 180 credits by the end of the Junior year will be allowed to take a semester no class period during their senior year.

### **Summer School**

Arcadia High School offers summer school classes in three different programs: the State-Funded Program, the Regional Occupational Program (ROP), and the Arcadia Educational Foundation. **The State-Funded Program** offers courses for make-up or proficiency. It is non-tuition based and designed for the remediation of classes. Students who fail a required subject must make-up that credit in the Arcadia High School State-Funded Program. **The Regional Occupational Program (ROP)** offers a variety of classes to students entering their Sophomore, Junior, and Senior year in the upcoming Fall Semester. These classes are non-tuition based.

### **New requirement for incoming 9<sup>th</sup> students**

Incoming 9<sup>th</sup> grade students who earn a D or F in English and/or Math on their final report card in 8<sup>th</sup> grade will be required to attend AHS State-Funded Summer School Intervention Class. Because these subjects build from a foundation of knowledge and skills, it is critical to address areas of concern early through summer school. If students are unable to or choose not to attend summer school, they will be enrolled in either a 9<sup>th</sup> Grade English Intervention or 9<sup>th</sup> grade Math Intervention course for the fall semester of 2008. The lab class(es) will be **in addition** to their grade level course in English and/or math; lab classes count as an elective.

The **Arcadia Educational Foundation** offers courses for credit and non-credit in academics, and sports. All courses are tuition based and designed for initiatory credit (advancement) or improvement of skills. Successful achievement in summer school may accomplish the following:

- Make-up for deficient graduation credits
- Improve GPA for eligibility purposes
- Ease the stress on student scheduling during the regular school year
- Accelerate student progress toward graduation and college entrance requirements

For questions regarding AEF summer school, please call the AEF office at 821-6606 or email them at [ArcadiaEducationFoundation@gmail.com](mailto:ArcadiaEducationFoundation@gmail.com)

A maximum of 10 credits will be allowed to be placed on the Arcadia High School transcript each summer. This includes Arcadia High School classes, AEF classes, and courses taken at other accredited schools or any combination.

---

## ACADEMIC SUCCESS

The single most important factor for a student's academic success is **parent support**. The outcome is positive for all involved when students know that parents value education and help them to develop study habits that suit their style of learning.

The following services are available at AHS:

- **Teacher Conferences** – Students are strongly encouraged to work with their teachers to improve their grades. Formal student/parent conferences can be scheduled by calling Mrs. Harvey at 821-1754.
- **Friday Cards** – A Weekly Progress Report is available at the Counselor of the Day desk, at the Attendance Office counter, and on-line at [www.ausd.net/ahs](http://www.ausd.net/ahs) (click on counseling, then click on grade level.)
- **Free Peer Tutoring** – Available every Tuesday, Wednesday and Thursday in the AHS Library from 3:00-4:00 p.m. All subjects are covered.
- **After School Study Hall** – Arcadia Youth Master Plan provides "The Zone", a study hall with a certificated teacher available to supervise students Monday through Thursday in the AHS Library from 2:45-5:30 p.m.
- **Private Student Tutoring** – A list of student tutors is available beginning mid-October by calling Mrs. Nichols in the Counseling Office at 821-1795.
- **ISIS** – Access to grade reports, progress reports, attendance and teacher e-mail through the Internet by registering on-line at [www.ausd.net/ahs](http://www.ausd.net/ahs). For questions, contact Mrs. Harvey at 821-1754.
- **E-mail** – Teachers have been assigned an e-mail address and can be reached via e-mail at [www.ausd.net/ahs](http://www.ausd.net/ahs)
- **Alternative/Rancho** – There are other opportunities available for students to complete their educational goals including the Alternative and Rancho High School programs. Contact your child's counselor for more information.

The AHS Student Support Personnel Team encourages parents and students to take advantage of these services to help make the high school experience a successful one.

---

## **225 Credits (1 semester class = 5 credits)**

### **4 yrs. English (40 credits)**

### **3 yrs. History/Social Science (30 credits)**

- 1 year Modern World History
- 1 year U.S. History
- 1 semester Government
- 1 semester Economics

### **2 yrs. Science (20 credits)**

Must include biological and physical science

### **2 yrs. Math (20 credits)**

### **2 yrs. P.E. (20 credits)**

- Three semester of PE Marching Band can be used to fulfill this requirement, along with 1 semester Freshman PE.
- Participation in Sports Teams, Dance, Dance Prop Production, or Pep Squad fulfill this requirement

### **1 yr. Fine Arts or World Language (10 credits)**

The following courses fulfill the Arcadia High School Fine Arts requirement:

- Symphony Orchestra 1, 2, 3, Concert Band 1, 2, 3, Intermediate Percussion Ensemble, Percussion Ensemble, Introduction to Instruments, Music Appreciation, Art and Music, AP Music Theory, Advanced Treble Choir, Concert Choir, Advanced Chorus
- Beginning, Intermediate, and Advanced Video Production
- Theatre Arts 1, 2, Advanced Theatre Arts, Stagecraft
- Art 1, Art Honors, Advanced Drawing and Painting, Advanced 3D Studio Art, AP Art History, Graphic Design, Design
- Photography, Digital Photography, Ceramics, Screen Printing, Classic Film
- Intermediate Dance, Orchesis, Dance Prop Production

### **Electives (85 credits)**

#### **Pass Algebra 1**

#### **Pass Swim Survival**

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

#### **Pass Health Proficiency**

## **CREDITS**

- **5 semester credits** are earned for passing each semester course.
- With the exception of designated courses in the ROP, and intervention program, all courses at AHS are 5.0 credits. Partial credits are not issued.
- **No credit** is earned for courses which are repeated if credit has been previously granted, or for courses in which an "F" grade is received.
- Students are expected to make-up all "F" grades in subject requirements immediately following the failed course.
- Juniors who are deficient in more than 10 subject credits, will be allowed to make-up no more than 10 credits per semester at the Arcadia Adult School\*. (40 credits maximum for make-up work.)

*\*Note: Adult School courses are non-college prep*

- If a student ends the senior year short credits for graduation, he/she will be given 18 months in which to make-up no more than 15 credits at the Arcadia Adult School to obtain an Arcadia High School diploma. \*

*\*Note: 2 Years to make up CAHSEE*

- Check the Course Selection Guide descriptions for classes which can be repeated for credit.

## **PREREQUISITES**

**Consult the Course Selection Guide to determine eligibility for all courses. Most Science, Math, World Language, English, and Social Science classes require specific prerequisites. Prerequisites may include:**

- Audition
- Examination
- Grade requirement
- GPA requirement
- Course requirement
- Students are programmed for fall classes based on first semester grades
- Final eligibility is determined after second semester and summer school grades are posted
- Students who do not meet eligibility will be removed from classes and asked to repeat the prerequisite with an improved grade, or to select a different available elective option.

## **COMMENCEMENT REQUIREMENTS**

Pursuant to Arcadia District Policy Nos. 610-612 requirements to participate in commencement activities include completion of a prescribed course of study and satisfactory citizenship. **Students participating in commencement activities must qualify for either an Arcadia High School Diploma or a Certificate of Completion.** A more detailed explanation of these two requirements is as follows:

- Qualifying seniors will receive a diploma if they have completed at least 225 credits (grades 9 - 12), met all subject area requirements, passed Algebra 1, passed the English Language Arts Section and the Math section of the CAHSEE, passed swim survival, passed the health proficiency, paid all dues and fines, turned in all textbooks, completed required check-out forms, satisfied behavior contracts, and have satisfactory citizenship.
- Qualifying seniors will receive a Certificate of Completion if they have completed at least 225 credits (grade 9 - 12), met all subject area requirements, passed Algebra 1, passed swim survival, passed the health proficiency, paid all dues and fines, turned in all textbooks, completed required check-out forms, satisfied behaviors contract and have satisfactory citizenship.



Students planning to attend college must pay close attention to the college entrance requirements. Note requirements for language, laboratory sciences, mathematics and other advanced courses.

Subject	Arcadia High School	California State University CSU/Cal Poly	University of California UC
<b>Social Science (A)</b>	<b>3 years (30 Credits):</b> World History (10 <sup>th</sup> ) U.S. History (11 <sup>th</sup> ) Gov/Econ (12 <sup>th</sup> )	<b>2 years (20 Credits):</b> World History (10 <sup>th</sup> ) U.S. History (11 <sup>th</sup> ) or Gov/Econ (12 <sup>th</sup> )	<b>2 years (20 Credits):</b> World History (10 <sup>th</sup> ) U.S. History (11 <sup>th</sup> ) or Gov/Econ (12 <sup>th</sup> )
<b>English (B)</b>	<b>4 years (40 Credits)</b> College Preparatory	<b>4 years (40 Credits)</b> College Preparatory	<b>4 years (40 Credits)</b> College Preparatory
<b>Math (C)</b>	<b>2 years (20 Credits):</b>	<b>3 years (30 Credits):</b> Algebra 1, Geometry, Algebra 2 <i>4 years 40 Units recommended</i>	<b>3 years (30 Credits):</b> Algebra 1, Geometry, Algebra 2 <i>4 years 40 Units recommended</i>
<b>Science (D)</b>	<b>2 years (20 Credits):</b> Biological Science Physical Science Must include 1 year Lab Science	<b>2 years Lab Science (20 Credits):</b> Biological Science Physical Science	<b>2 years Lab Science(20 Credits):</b> Biology Chemistry Physics <i>3 years 30 Credits recommended</i>
<b>World Language (E)</b>	<b>1 year (10 Credits)</b>  OR	<b>2 years (20 Credits):</b> Of the same language <i>3 years 30 Credits recommended</i> AND	<b>2 years (20 Credits):</b> Of the same language  AND
<b>Visual &amp; Performing Arts (F)</b>	<b>1 year (10 Credits)</b>	<b>1 year (10 Credits)</b>	<b>1 year (10 Credits)</b>
<b>Electives (G)</b>	<b>85 Credits</b>	<b>1 year (10 Credits):</b> Chosen from the University of California "A-G" list (pages 11-20 of Course Selection Guide)	<b>1 Year (10 Credits):</b> Chosen from the University of California "A-G" list (pages 11-20 of Course Selection Guide)
<b>Physical Education</b>	<b>2 years (20 Credits)</b>	<b>None</b>	<b>None</b>
<b>TOTAL CREDITS</b>	<b>225</b>	<b>150</b>	<b>150</b>
<b>Additional Requirements</b>	Pass Algebra 1 Pass Swim Survival Pass CAHSEE California High School Exit Exam Pass Health Proficiency	The eligibility index is a weighted combination of a student's grade point average during the final three years of high school and a score on either the ACT or the Scholastic Assessment Test (SAT Reasoning).  The New eligibility index will be available in the Career Center by the end of September 2009.  Please note that the minimum GPA required establishing eligibility is 2.0 for students applying to CSU.	The SAT Reasoning (critical reading, mathematics <u>and</u> writing) or the ACT plus the ACT Writing Test <u>AND</u> <u>Two</u> SAT Subject Tests <i>in two different subject areas</i> : history/social science, English literature, *mathematics (Level 2C), laboratory science or language other than English.*Please note: (Math Level 1C is not accepted by the University of California as satisfying SAT subject test requirements.  Please note that the minimum GPA required establishing eligibility is 3.0 for students applying to UC. The New eligibility index will be available in the Career Center by the end of September 2009. (minimum GPA subject to change).

---

To see the approved course list for UC  
admissions from Arcadia High School  
Please link to:  
<https://doorways.ucop.edu/list>

---

## **NCAA**

The National Collegiate Athletic Association has established an Eligibility Center to qualify students for athletic eligibility for Division I and II. In order to compete in NCAA Division 1 or Division 2 athletics at the Collegiate Level, all student-athletes must register with the NCAA Eligibility Center (on-line) and meet the listed qualifications. Registration process: Registration materials are available online at:

<https://web1.ncaa.org/eligibilitycenter/student/indexstudent.html>. The student submits the indicated copies to the Records Office at Arcadia High School. The Records Office will mail an official high school transcript to the Eligibility Center.

### **DIVISION 1**

If you want to participate in athletics or receive an athletics scholarship during your first year of college, you must:

1. Graduate from high school
2. Complete the 16 core courses:
  - a. 4 years of English
  - b. 3 years of math (Algebra 1 and higher)
  - c. 2 years of natural or physical science (including one year of lab science)
  - d. 1 extra year of English, math, or natural/physical science
  - e. 2 years of social science
  - f. 4 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy).
3. Earn a minimum required grade point average in your core courses; and
4. Earn a combined SAT or ACT sum score that matches your core course grade point average and test sliding scale (for example, a 2.40 core-course grade point average needs an 860 SAT – see GPA/Test score sliding scale on NCAA website)

### **DIVISION 2 (2009-2013)**

If you enroll in a Division 2 college and want to participate in athletics or receive an athletic scholarship; during your first year of college, you must:

1. Graduate from high school
2. Complete these 14 core courses:
  - a. 3 years of English
  - b. 2 years of math (Algebra 1 and higher)
  - c. 2 years of natural or physical science (including one year of lab science)
  - d. 2 extra year of English, math, or natural/physical science
  - e. 2 years of social science
  - f. 3 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy).

3. Earn a 2.00 grade point average or better in your core courses
4. Achieve a combined SAT score of 820 or an ACT sum score of 68.

### **DIVISION 2 (2013 and later)**

If you enroll in a Division 2 college on or after August 1, 2013, and want to participate in athletics or receive an athletics scholarship during your first year, you must:

1. Graduate from high school
2. Complete these 16 core courses:
  - a. 3 years of English
  - b. 2 years of math (algebra 1 or higher)
  - c. 2 years of natural or physical science (including one year of lab science)
  - d. 3 additional years of English, math, or natural or physical science
  - e. 2 years of social science
  - f. 4 years of additional core courses (from any category above, or foreign language, non-doctrinal religion or philosophy)
3. Earn a 2.0 grade-point average or better in your core courses; and
4. Earn a combined SAT score of 820 or an ACT sum score of 68.

### **DIVISION 3**

Division 3 does not use the Eligibility Center. Contact your Division 3 College or university regarding its policies on admission, financial aid, practice and competition.

### **NAIA**

The following is a list of criteria that needs to be met to be eligible to represent a member institution in any manner (scrimmages, intercollegiate competitions). For more information on NAIA eligibility regulations, visit [www.naia.org](http://www.naia.org).

An entering freshman must be a graduate of an accredited high school and meet two of the three entry level requirements, as follows:

1. Achieve a minimum of 18 on the ACT or 860 on the SAT. The ACT/SAT must be taken on a national or international testing date and certified to the institution prior to the beginning of each term in which the student initially participates. The SAT score of 860 or higher must be achieved on the Critical Reading and Math sections of the test, and must be achieved on a single test date.
2. Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale.
3. Graduate in the top half of the high school graduating class.

---

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

The Regional Occupational Program is an integral education program, which provides training and internship opportunities to students. The program helps students acquire lifelong skills and habits that can be applied to any career. The ROP program promotes self-confidence, self-awareness, good work habits, practical problem solving, teamwork, punctuality, reliability, cooperation and personal responsibility.

Eligibility for ROP classes: Junior, Senior or 16 years. Sophomore students are allowed enrollment in specific ROP classes which is indicated below the class title throughout the curriculum guide. Students have the opportunity to gain training and experience through a wide variety of classes available to them during the school day, after school, or weekends. ROP classes are held on campus or in local community businesses. Students are eligible to receive elective credits for ROP. A schedule of ROP classes is available to interested students in the ROP Office prior to the beginning of each semester and are listed throughout the Course Selection Guide

Students who are employed may earn elective credits depending on the number of hours they work each week. Students register in ROP Cooperative Vocational Education (CVE), which meets one day a week for related instruction.

---

## SPECIAL EDUCATION

Department Chair:

Mrs. Joan Petersilge, [jpetersi@ausd.net](mailto:jpetersi@ausd.net)

### Resource Specialist Program

The Resource Specialist Program (RSP) provides services on the regular high school campus for students with normal intelligence, but mild to moderate degrees of learning disabilities.

Students may be fully mainstreamed into general education classes and receive academic support through our staff in the Learning Center. Other students may be enrolled in collaborative classes, which are staffed with regular education teachers, special education teachers, the Language-Speech Specialist and/or special education Instructional Assistants. Services for these students are typically augmented by one elective period per day in the Learning Center. Students may receive support in the form of individualized help with academic requirements, providing modified test-taking situations, technological support and teacher consultation.

Students in need of more intensive support are provided modified classes taught by a special education teacher. These are offered in all basic academic areas. Modified courses support students who require no more than 49% of their day to be spent receiving special education services. Modified courses do meet high school graduation requirements, but they are not college prep classes therefore, they do not meet the entrance requirements for a 4 year college. RSP teachers work towards teaching the content standards while still attending to individual learning needs. Although the pace is slower, core curriculum from regular education classes is taught. Resource Specialists administer the program and, as members of the Individual Education Planning Team, provide services, which include assessment, diagnosis of learning handicaps, educational planning and consultation with staff, parents and community professionals. They coordinate Individual Education Plan (IEP) meetings for students. The degree of service required by a student is determined by this IEP Team, of which the parent is a vital part. Resource Specialists can be reached through the Learning Center at (626) 821-1734.

### **SPECIAL EDUCATION COURSES**

Courses offered within the Special Education Department are selected by each student's IEP team based upon the specific learning needs of the student. A range of courses, including intensive/strategic, as well as core classes, are provided to meet varying levels of need. Core classes address and adhere to board approved California State standards in their respective subjects as well as targeting the specific learning goals of each student. **PLEASE NOTE:** None of the classes listed here meet Cal State or UC eligibility requirements. They do satisfy AHS graduation requirements.

### ENGLISH:

- Modified English – Core curriculum for the English Language Arts
- Assisted English – Core curriculum for the English Language Arts
- READ 180 – a one year Reading intervention course. Student must be concurrently enrolled in an English class.
- LANGUAGE! – Strategic, targeted, intensive reading instruction for one to three years. Student must be concurrently enrolled in an English class.

### MATH:

- Modified Algebra – A two year Algebra class satisfies the Algebra requirement for a diploma. Readiness requires a mastery of fractional concepts.
- Transitional Math – Addresses California State Math Standards up to and including the four functional with fractions and mixed numbers with different denominators.

### SOCIAL STUDIES:

- Modified World History – One year, core curriculum for Freshman.
- Modified United States History – One year, core curriculum for Juniors.
- Modified Government/Economics – One year, core curriculum for Seniors.

### SCIENCE:

- Modified Science – Two years, Core curriculum addressing the California State Science Standards for General Science, both Life Science and Physical Science.

### **SPECIAL DAY CLASS**

The Special Day Class program (SDC) is provided for those students who require more than 49% of their day in a supported, special education setting. This includes students with learning handicaps whose disabilities require more intensive support or those students who are mildly developmentally disabled. Students are mainstreamed into general education classes where and when it is most appropriate to insure their success. In SDC subject area classes, the work is much more individualized. There are typically 12-16 students with one teacher and one Instructional Assistant, which allows for this individual attention. SDC teachers of the learning disabled students work towards teaching the regular curriculum while still attending to individual learning needs. Although the pace is much slower, California Standards are taught. While the social studies requirements at each grade level match the State Framework, specialized textbooks with simplified formats and modified reading levels are used in these classes to accommodate those with severe learning disabilities. The SDC setting for the mildly developmentally disabled students provides a more functional approach to

---

academics, with emphasis on community access,

prevocational and vocational development and a focus on independent living skills. The Individual Educational Planning Team determines placement in this program, as well as any additional support services. For information about the Special Day Class program, please call the Learning Center at (626) 821-1734.

### **Other Special Education Services**

Some students with special needs require support over and above that which can be provided in the RSP SDC classes. These students are evaluated through the Individual Educational Planning (IEP) Process, and can be placed in an appropriate educational setting within our Special Education Local Planning Area (SELPA). These classes within our local geographic area provide services for students with moderate to severe developmental disabilities, severe emotional disabilities, visual and hearing impairments, and/or physical handicaps. Specialists can provide some support services on campus. These services can include support for the hearing and vision impaired, language and speech therapy and mobility training. Both consultation and direct services are available. For further information, contact the Office of Student Services at (626) 821-8300 ext. 6572.

### **WORKABILITY I**

WorkAbility I (WAI) is a program offered by the Arcadia Unified School District in conjunction with the California Department of Education and is available to all students with an Individual Education Plan (IEP). The purpose of WAI is to provide secondary special education students the opportunity to assess skills and interests and to obtain marketable job skills while completing their education. Career vocational assistants meet with students beginning in their freshman year to complete career/vocational assessments. Results of the assessments are discussed with students as they begin to set their goals for post-secondary education and training. Students also have access to pre-employment training, job placement assistance through a WAI job developer, and follow-up services to help them be successful in their job. For information on the WorkAbility I Program, contact Dr. David Muñoz at (626) 821-8371 extension 250.

### **TRANSITION PARTNERSHIP PROGRAM**

The Arcadia Unified School District in conjunction with the State Department of Education and Department of Rehabilitation offers the Transition Partnership Program (TPP). The goal of TPP is to help students with special needs make a transition from school to the world of work. This goal is accomplished through career exploration and varied work experiences. During the students' junior and senior years of high school, TPP provides career counseling, assessment, and support with the decision-making skills necessary for planning and preparing for the future. Local businesses enhance TPPs range of services by providing job opportunities to qualified students. For

information about the Transition Partnership Program,

contact Dr. David Muñoz at (626) 821-8371 ext. 250 or (626) 821-1729.

### **PSYCHOLOGICAL SERVICES**

The school psychologists provide services to students in regular and special education programs. Their services include assessment, diagnosis of learning handicaps, and educational planning and consultation with staff, parents and community professionals. The school psychologists coordinate mandated Individual Education Plan (IEP) meetings for special education students and participate in Student Assistance Committee (SAC) meetings. School psychologists also provide crisis counseling on an as needed basis and can make appropriate referral for counseling services within the community. They can be contacted at (626) 821-8371.

### **LANGUAGE AND SPEECH SERVICES**

The Language-Speech and Hearing program is designed to provide services to students who have been diagnosed as having a communication disorder, which interferes with their education. These disorders may be in the areas of speech (making speech sounds accurately, stuttering, producing a good voice quality) or language (vocabulary, reasoning, processing, comprehension, problem solving, verbal expression, or social use of language). Services to these students may be delivered individually, in small groups or in an academic classroom setting with special and/or regular education students. The Language and Speech Specialist who administers the program provides assessment, diagnosis, intervention and parent/teacher conferencing. Additionally, the specialist works closely with the school psychologist, teachers, parents and students in the course of developing Individual Education Plans (IEP). For more information, please contact Rita Ann Wilkins at (626) 821-1734.

**CALIFORNIA SCHOLARSHIP FEDERATION**  
**ARCADIA HIGH SCHOOL**  
**Chapter 434 S**

CSF is an organization in senior high schools throughout the state of California designed to recognize and honor superior scholarship and citizenship. The motto of CSF is "Scholarship for Service." Membership in CSF is open to students who have met the qualifications indicated below.

Membership is neither automatic nor compulsory. Students must fill out the required application and return it by the deadline. All applications must include a photocopy of the **ORIGINAL REPORT CARD** from the semester for which they are applying. **COPIES OF TRANSCRIPTS AND/OR COMPUTER PRINT-OUTS ARE NOT ACCEPTABLE.** The enrollment period occurs during the first 2 months of the semester. Notices are put in the student bulletin and posted around school.

Membership is for one semester only and may be renewed whenever the student again meets the requirements. Every time the student qualifies he or she must pay the \$5.00 dues at the ASB office by the established deadlines.

**Membership qualifications are as follows:**

- Students must earn a minimum of ten points in five classes. Seven points must be earned from courses on Lists I or II. At least four of the seven must be earned in courses from List I. Seniors may have all 7 points from list II only. The three remaining points may be earned from subjects on any of the three lists.
- CSF points are calculated as follows:
  - A grade of "A" in a subject which grants 5 semester credit = 3 CSF points
  - A grade of "B" in a subject which grants 5 semester credits = 1 CSF point
  - One additional point shall be granted for a grade of A or B in an AP or Honors course. No more than two such points can be used per semester.
  - A grade of "C" = 0 CSF points
- If a student did not take three subjects from Lists I and II, he may substitute one course from summer school providing:
  - the summer school course is included in List I or List II and,
  - the student took the course for the first time.

The student may use this substitution for CSF membership either in the fall or spring semester after the summer school course is completed. See the appropriate CSF advisor before listing any Summer School course on your application.

**Membership is denied by:**

- A grade of "D" or "F" in any subject for the semester;
- A "U" or more than one "N" in Citizenship and/or Work habits
- Missing deadlines or due dates;

- Evidence of poor citizenship or disciplinary action.
- No CSF points shall be given for teacher aide, office aide, lab assistant, physical education, or courses taken in lieu of physical education or repeated courses.
- Students who take college courses as a part of their normal class load should see the appropriate CSF advisor.

The requirements for becoming a Life Member (**Gold Seal Bearer**) are as follows:

- Students who attain CSF membership in at least four of six high school semesters (grades 10-12 only) with at least one semester being in the senior year are eligible for the status of gold seal graduate.

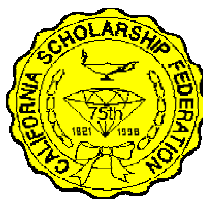
Life members of CSF will receive a special seal on their diploma, a CSF pin, and a gold cord. Life members will also be announced as Gold Seal graduates at graduation.

**Advisors:**

Mrs. Margarita Ortiz ([mortiz@ausd.net](mailto:mortiz@ausd.net))

Mr. Barry Lisbin ([blisbin@ausd.net](mailto:blisbin@ausd.net))

Ms. Janet Chuang ([jchuang@ausd.net](mailto:jchuang@ausd.net))



---

## Arcadia High School CSF List 2009-2010

### LIST I

#### **ENGLISH**

English 9  
English 9 (H)  
English 10  
English 10 (H)  
English 11  
English 11 AP  
English 12 AP  
Modern World English  
Myth to Science Fiction  
SDAIE English, 9, 10, 11, 12  
Shakespeare 1, 2  
Women's Literature  
Senior English

#### **WORLD LANGUAGE**

AP Spanish Literature (H)  
French 1, 2, 3, 4(H), AP  
Spanish 1, 2, 3, 4, AP  
Spanish Native 2, 3  
Japanese 1, 2, 3, AP  
Chinese 1, 2, 3, 4, AP  
Chinese Native Speakers

#### **MATHEMATICS**

Algebra 1  
Intro to Algebra 2  
Algebra 2  
Algebra 2 Honors  
Intro to Geometry  
Geometry  
Geometry Honors  
Calculus, all  
Math Analysis  
Pre-Calculus H  
Statistics AP

#### **SCIENCE**

AP Biology  
AP Chemistry (H)  
AP Physics B, C, (H)  
AP Environmental Science  
Chemistry  
Biology  
Biotechnology  
Physics  
Physics Honors  
Human Physiology  
SDAIE Biophysical Science 1, 2  
SDAIE Biology  
SDAIE Chemistry

#### **SOCIAL SCIENCE**

Modern World History  
U.S. History/(H)  
AP U.S. History  
Gov't/ Politics: Comparative AP

Gov't/Politics: US AP  
Government, (H)  
Government (TEAM)  
Economics  
SDAIE American Government  
SDAIE Economics  
SDAIE United States History  
SDAIE Modern World History

### LIST II

#### **ART**

AP Art History

#### **ENGLISH**

Contemporary Journalism  
Creative Writing  
Journalism/ Newspaper  
Advanced Journalism Studies (yearbook)  
Search for Human Potential  
Speech Dynamics  
Speech and Debate Team

#### **MATHEMATICS**

AP Computer Science  
Computer Science Honors  
Honors Computer Science C++  
Honors Computer Science Java  
Honors Computer Science 3

#### **SCIENCE**

Biophysical Science 1, 2

#### **SOCIAL SCIENCE**

Archaeology  
Asian Studies  
Development of Civilization, (H)  
Economics  
Inter Studies/Economics (H)  
Psychology

### LIST III

Advanced Drawing/Painting  
Advanced Robotics  
Advanced 3D Studio Art  
Advanced Video Production  
Advanced Web Page Design  
Algebra 1GA, 1GB, 1GC  
Animation  
Music Theory AP  
Art 1  
Art Design  
Art Honors  
Auxiliary Guard 11<sup>th</sup>, 12<sup>th</sup>  
Banking & Finance  
Business Management

Ceramics  
Choral Music, all  
Career Exploration  
Civil Law  
Classic Film  
Computer Hardware & Network  
Engineering  
Computer Science  
Criminal Law  
Culinary Arts  
Cross-Age Teaching – Literacy  
Culinary Science  
Dance- Beg. & Interm. 11th /12th  
Desktop Publishing  
Design  
Digital Photography  
Drama  
Beginning/Intermediate/Advanced English  
ELD 1 Comp  
Food Science  
Graphic Design  
Housing and Interior Design  
Instrumental Music, all  
Introduction to Art  
Investigative Math  
Leadership and Leadership Dynamics  
Life Management  
Medical & Therapeutic Principles  
Office Technology  
Orchestrations  
Peer Mentoring  
Pep Squad 11<sup>th</sup>, 12<sup>th</sup>  
Percussion Ensemble  
Photography  
Photo Journalism  
Reading 180  
Retail Marketing  
Robotics  
Screen Printing & Design  
SDAIE Science  
SDAIE Social Science  
Sports Medicine  
Stagecraft  
Tools for Success  
Video Production, Beg. Interm. Adv.

**Note: Any classes not listed in I or II will be considered List III class (except PE/TA)**

---

**NATIONAL HONOR SOCIETY**  
**Arcadia High School**  
**Chapter No. 15671**

Membership in the National Honor Society is both an honor and a responsibility. This society is recognized nationwide, and membership may be transferred to other schools and to other states. Students in the tenth, eleventh and twelfth grades who achieve a 3.5 grade point average each semester are eligible to seek membership status. Students will be selected based on their demonstration of and willingness to maintain the qualities of scholarship, character, service, and leadership. Summer school classes and classes taken prior to the tenth grade are not applicable toward membership. Dues of \$6.00 are paid each year.

Once accepted, members must maintain their membership by attending all NHS meetings, participating in the chapter's annual service activity, which will be determined each year, and adhering to the criteria listed below.

Permanent membership certificates are given to students who have been members for two or three years throughout grades ten, eleven, and twelve. Students who have been members for all three years will receive the designation of "Silver Seal" graduate, and will have the insignia of the National Honor Society placed on their diplomas. A limited number of scholarships might be given each year to graduating seniors.

Membership is determined as follows:

- ◆ Students complete an application form each spring requesting consideration for new or renewed membership. Attachments to the application include **transcripts from freshman year until present, verification of 40 service hours documented by the adult figure in charge of the organization, and verification of leadership supported by the adult figure in charge of the organization.** It is the student's responsibility to submit all pertinent materials to the NHS advisors by the deadline announced. No late materials will be accepted; there is no provision for retroactive membership.
- ◆ **Scholarship:** Students must be enrolled in five academic class periods per semester. The courses that qualify for National Honor Society must be UC Approved or on the CSU approved list for visual and performing arts. Students are encouraged to check with their counselors during programming to verify credit for NHS. An updated course list for NHS is published each year and is attached on the next page. Grade point average must be at least 3.5 (A=4, B=3, C=2) for all qualifying courses taken (as listed above). A grade of "D" or "F" in any subject will exclude a student from consideration.
- ◆ **Character:** Teacher feedback and citizenship grades are considerations for membership. A student may have a maximum of one "N" for each semester and

still be a candidate for membership. A grade of "U" in any subject will exclude a student from consideration.

- ◆ **Service:** Each school year, students must show evidence for a minimum of 40 hours of service. Service may be in school, the community, a church or fraternal organization and should take place during the year in which student grades are being evaluated. Summer hours may be applied to the following school year. Verification letters should be on official letterhead signed by a shift manager and outline in detail the dates of service as well as the number of service hours completed during the semester; they must also offer a brief description of the service.
- ◆ **Leadership:** Students must demonstrate evidence of leadership by adhering to the attached leadership matrix\*. Evidence of leadership through organizations outside of school must be proved through verification letters on official letterhead that outline in detail the dates of participation and brief descriptions of the leadership role and the student's performance; such positions will be evaluated on a case-by-case basis at the Faculty Council's discretion.
- ◆ Inadequate demonstration of service and leadership as judged by the selection panel and/or the principal, and indications of unworthy character exclude a student from consideration.
- ◆ The membership process is completed with the payment of dues, **following the posting of names of those whose membership request has been successful.** Dues must be paid before the deadline as given on the posted lists.

\*The leadership matrix is pending final Faculty Panel approval and is subject to change—please refer to the student bulletin and advisors for updates before the 2009-2010 applications are due.

**Membership guidelines are currently under review and are subject to change—please refer to the student bulletin and advisors for updates.**

**Due dates (in the spring) for NHS applications vary from year to year. Please check the announcements in the student bulletin regularly for the actual deadlines.**



**Advisors:**  
Ms. Christina Chow  
(cchow@ausd.net)  
Ms. Melissa Wright-Hatheway  
(mwrightatheway@ausd.net)

---

## NATIONAL HONOR SOCIETY COURSE LIST

### CAREERS AND TECHNOLOGY

Computer Science (also H, AP, 2, 3)  
Computer Programming C++  
Computer Program JAVA  
AP Computer Science H  
Computer Game Programming  
Robotics/Engineering (also Lab 2 and Advanced)  
Intermediate Video Production  
Video Production (Beginning, Intermediate, Advanced)  
Apache News (after school)  
Civil Law  
Criminal Law  
Medical/Therapeutic Principles of Sports Fitness

### ENGLISH

English 10 (also H/SDAIE)  
English 11 (also H/AP/SDAIE)  
English 12 (AP)

#### **Senior English Options:**

British Lit  
World Lit (SDAIE)  
Women's Lit  
Search for Human Potential  
Shakespeare 1, 2  
Myth to Science Fiction  
Creative Writing  
Advanced Journalism Studies (Yearbook)  
Contemporary Journalism  
Journalism Newspaper (Pow Wow)  
Speech/Debate Team  
Speech Dynamics

### HISTORY AND SOCIAL SCIENCE

Development of Civilization, Dev of Civ A (H)  
United States History (also H/SDAIE)  
U.S. History (AP)  
Comparative Government (AP)  
Contemporary American Govt (also AP/SDAIE)  
Economics (also SDAIE)  
Economics  
Archaeology  
Asian History  
Civil Law  
Criminal Law  
International Studies (also H/SDAIE)  
Psychology 1, 2

### MATHEMATICS

Algebra 1, Algebra 1G 1, 2, 3  
Geometry (also H)  
Algebra 2 (also H)  
Math Analysis  
Pre-Calculus/Calculus A (H)  
Calculus, Calculus A-C (AP), Calculus D (H)  
Statistics (also AP)

### SCIENCE

Biology (also AP/SDAIE)  
Chemistry (also AP/H/SDAIE)  
Physics (also H)  
Physics BC (AP)  
Biophysical Science (also SDAIE)  
Environmental Cross-Age Science  
Environmental Science (AP)  
Human Physiology  
Advanced Topics in Medical Research  
Medical & Therapeutic Principles Sport Fitness

### VISUAL AND PERFORMING ARTS

Advanced 3D Studio Art  
Advanced Chorus (Chanteurs)  
Advanced Drawing and Painting  
Advanced Treble Choir (New Spirit)  
Animation  
AP Art History  
Art 1  
Art Honors  
Ceramics 1, 2  
Classic Film 2  
Concert Band 1, 2, 3  
Concert Choir  
Dance (Intermediate, Orchesis)  
Dance Prop Production (Auxiliary Guard)  
Design  
Digital Photography  
Graphic Design  
Introduction to Instruments  
Music Theory (AP)  
Percussion Ensemble (also Intermediate)  
Photo Journalism  
Photography  
Screen Printing  
Symphonic Orchestra 1, 2, 3  
Theatre Arts 1, 2, Advanced

### WORLD LANGUAGES

French 1-3, 4H, AP  
Japanese 1-3, AP  
Chinese 1-4, AP  
Spanish 1-4, AP  
Spanish for Native Speakers 2-3  
Spanish Literature (AP)

### MISCELLANEOUS

Leadership (Student Government)

**Please see NHS advisors for an updated course list at the beginning of the each school year.**

(Courses, which are pending UC approval, will be added/if they receive UC approval.) **Revised 2/09**

---

## NATIONAL HONOR SOCIETY - LEADERSHIP

To qualify for leadership, applicants must fulfill one requirement from Column A or two from Column B.

Column A	Column B
<ul style="list-style-type: none"> <li>• Entire Executive Committee of NHS</li> <li>• Any office of:               <ul style="list-style-type: none"> <li>➢ Associated Student Body</li> <li>➢ Class Council</li> </ul> </li> <li>• President, Co-President, Vice President, Treasurer, Secretary, of any AHS Chartered Club</li> <li>• President, Vice President, Treasurer, or Secretary of:               <ul style="list-style-type: none"> <li>➢ Band</li> <li>➢ Orchestra</li> <li>➢ Chanteurs</li> <li>➢ New Spirit</li> <li>➢ Concert Choir</li> <li>➢ Treble choir</li> <li>➢ Orchesis</li> </ul> </li> <li>• Captain/President, Co-Captain/Vice President, Treasurer, or Secretary of               <ul style="list-style-type: none"> <li>➢ Academic Decathlon</li> <li>➢ Destination Imagination</li> <li>➢ Math Team</li> <li>➢ Ocean Science Bowl</li> <li>➢ Quiz Bowl</li> <li>➢ Science Bowl</li> <li>➢ Science Olympiad</li> </ul> </li> <li>• AHS sports team captains and assistant captains of sports</li> <li>• Senior Men and Women officers</li> <li>• Chairs of SCOC/SCAC</li> <li>• Drum Major of Band</li> <li>• Concertmaster of Orchestra</li> <li>• Yearbook editor-in-chief</li> <li>• Pow Wow editor-in-chief</li> <li>• AHS Pep Squad Captains</li> <li>• Captains and squad leaders of Colorguard</li> <li>• Varsity and JV percussion captain</li> <li>• President of Advanced Drama</li> </ul>	<ul style="list-style-type: none"> <li>• SCOC/SCAC members</li> <li>• Prom Committee</li> <li>• Boy and Girl Scouts leadership (with a recommendation from a scout master to verify jobs)</li> <li>• Senior Men and Women members</li> <li>• Big Brother/Big Sister</li> <li>• Band Section leaders</li> <li>• Orchestra Section leaders</li> <li>• Yearbook editors</li> <li>• Pow Wow editors</li> <li>• SSLT/SSC</li> <li>• Varsity and JV percussion section leaders</li> </ul> <p><i>Any other officer positions in any AHS organization (this includes academics, performing arts, sports, and chartered clubs) including but not limited to the following:</i></p> <ul style="list-style-type: none"> <li>• ICC Representative, Web designer (webmaster), publicist, historian, librarian as well as any other officer positions on the AHS Club Charter, not including those in Column A</li> <li>• Speech and Debate officers</li> <li>• Membership director, president-elect, community service director</li> </ul> <p>❖ This column may also extend to include other activities on a case-by-case basis at the Faculty Council's discretion.</p>

**\*The contents of this list, as well as leadership qualifications, may be subject to change before the final application period.\* Revised 2/09**

---

## CAREERS AND TECHNOLOGY

DEPARTMENT CHAIR: Mr. Brent Reiske, breiske@ausd.net

### 5100 ROBOTICS/ENGINEERING A

### 5101 ROBOTICS/ENGINEERING B

(Year) Freshman, Sophomore, Junior, Senior

#### UC Approved

**Prerequisite:** *Application required; completion of Algebra 1 with a C or better.*

**Note:** *This course is part of the AHS Robotics Engineering Pathway. The pathway is aligned with curriculum and course at the UC system. The pathway is designed to help student prepare for college as well as help them set career paths. For further information contact the AHS ROP office.*

This course will introduce students to robotics and artificial intelligence, as well as prepare students for the competitive job market of the 21<sup>st</sup> century. This course is designed for students that wish to pursue majors and careers in robotics, engineering, medicine, mechanical design, computer science and business. Students will explore robots used in NASA exploration, manufacturing, hazardous duty, fire fighting, medicine and surgery, nanotechnology, including medical "bots", and war robots. The class will also cover power, movement, motors and gears, sensors, intelligence, speech control, neural nets, video transmitters, vision and much more.

### 5104 ADV. ROBOTICS/ENGINEERING A (ROP)

### 5105 ADV. ROBOTICS/ENGINEERING B (ROP)

(Year) Sophomores, Junior, Senior

**Class Hours:** *One evening a week, 5-8 p.m. plus additional classes TBA to build a robot for competition*

#### UC Approved

**Prerequisite:** *Completion of Robotics Engineering with a "C" or better; concurrent enrollment in Robotics Laboratory is required.*

**Note:** *This course is part of the AHS Robotics Engineering Pathway. The pathway is aligned with curriculum and course at the UC system. The pathway is designed to help student prepare for college as well as help them set career paths. For further information contact the AHS ROP office.*

This course will introduce students to advanced topics in robotics and artificial intelligence. This course is designed for students that wish to pursue majors and careers such as robotics, engineering, computer science, design and business. There is a research component to this course.

### 5552 OFFICE TECHNOLOGY (ROP)

(Semester) Sophomore, Junior, Senior

**Prerequisite:** *None*

Office Occupations will train students to learn basic business skills. The class is individualized and students work at their own pace. Computers, keyboarding skills, business writing, field trips, and guest speakers are available as part of this class. Office Occupations prepares the student for business. Office Occupations teaches the most basic yet demanding skills in business today.

### 5600 BEGINNING VIDEO PRODUCTION

(Semester) Freshman, Sophomore, Junior

**Prerequisite:** *None*

This class introduces students to the world of television production. Students will learn how actual TV shows are made and have a chance to create their own productions. Course emphasis is on both production techniques and learning the operation of studio video production equipment & technology. Projects include activities such as talk shows, infomercials, and short sketches.

### 5604 INTERMEDIATE VIDEO PRODUCTION A (ROP)

### 5605 INTERMEDIATE VIDEO PRODUCTION B (ROP)

(Year) Sophomore, Junior, Senior

#### UC Approved

**Prerequisite:** *Beginning Video Production with a grade of "B" or better and Video Teacher approval*

Building on techniques that students have learned in Beginning Video Production, this two-semester course will enable students to create original video productions using single camera/film style techniques and advanced editing methods. The course will emphasize scripting, story breakdown, shot visualization, and will cover the range of communications skills needed (written, auditory, and visual) to create effective videos. Projects will include short drama productions, comedy videos, and various types of news stories for a simulated newscast. Students will learn to produce these projects from start to finish, including script-writing, editing, story breakdown, use of portable camcorders, shot breakdown, and non linear editing. Frequent and ongoing evaluation of projects in development, both by the instructor and by students, is an integral part of the course. This class is a prerequisite for Adv. Video Production/Apache News.

### 5608 ADVANCED VIDEO PRODUCTION A (ROP)

### 5609 ADVANCED VIDEO PRODUCTION B (ROP)

#### (APACHE NEWS) (DAY CLASS)

(Year) Junior, Senior

#### UC Approved

**Prerequisite:** *Teacher recommendation, interview/ audition, Beginning Video Production, OR Contemporary Journalism with a "B" or better*

This course provides advanced students with the opportunity to produce a weekly school newscast, Apache News. Students in technical and on-air crews try out for positions during the previous spring semesters. Students gain experience working as a team creating a news show with deadlines and an audience of over 3,800.

Those students who enroll in Advanced Video Production II (Apache News) may concurrently take the Advanced Video Production class, which meets on Tuesday's, and Thursday's after school.

---

**8560 ADVANCED VIDEO PRODUCTION (ROP)**  
**(APACHE NEWS) (AFTERSCHOOL)**

*(Year) Sophomore, Junior, Senior*

**UC Approved**

**Class Hours: Tuesday and Thursday 3:00-5:30 pm**

**Prerequisite:** *Teacher recommendation, Interview/audition, Beginning Video, Intermediate Video Production, OR Contemporary Journalism with "B" or better.*

This class is an addendum to Advanced Video Production I. Students will use this time to continue production for Apache News as well as programming for the District Channel. It is strongly advised that students take both I and II.

**5650 CIVIL LAW (ROP)**

*(Semester) Junior and Senior*

**UC Approved**

**Prerequisite:** *None*

This class provides specialized training in basic terminology, introduction to the legal system. This class focuses on the area of civil law. Students will study the process of a civil lawsuit, trial preparation, attorney/client relationship, client interviewing and investigation, research and legal writing. The class will include family law (marriage and divorce); probate law (will and trusts). Students will participate in a civil mock trial.

**5652 CRIMINAL LAW (ROP)**

*(Semester) Junior and Senior*

**UC Approved**

**Prerequisite:** *None*

This class provides specialized training in the area of criminal law. Students will study the elements of a crime, classification of crimes, business-related crimes, rights of the defendant and defenses. The class will also focus on the investigation of the crime, along with the medical investigation (cause of death). In addition, course work will address basic terminology, attorney/client privilege, and research/legal writing. The role of the district attorney, grand jury, public defender, and defense attorney will be discussed. Students will participate in a criminal mock trial.

**5700 FOOD SCIENCE (ROP)**

*(Semester) Junior, Senior*

**Prerequisite:** *None*

This course includes a complete study of the science of food. It deals with, nutrition, meal planning, eating disorders, and consumer education issues such as purchasing, operation and care of kitchen equipment and wise shopping are included.

**5704 CULINARY SCIENCE (ROP)**

*(Semester) Junior, Senior*

**Prerequisite:** *Food Science with a grade of "C" or better, or teacher recommendation*

Culinary Science is designed to provide students with instruction in food processing, food safety and sanitation and product development. The students will have the opportunity to experience and prepare international cuisine from countries throughout the world. Catering will allow students to plan, price, shop, prepare and serve meals in restaurant style. Special occasion foods or party-type foods such as fancy garnishes, elegant desserts, and cake decorating. Careers in food, gives students some insights into the many career opportunities in the food/hospitality industry.

**5708 CULINARY ARTS (ROP)**

*(Semester) Junior, Senior*

**Prerequisites:** *None*

**Class Hours: Tuesday and Thursday 3:00-5:30 pm**

Students will learn different aspects of culinary arts such as cooking, various types of cuisines, menu design, garnishing, food and table presentation, maintaining and handling knives, kitchen safety and other skills.

**5715 LIFE MANAGEMENT**

*(Semester) Freshman, Sophomore, Junior, Senior*

**Prerequisite:** *None*

Get your life together! Seize the opportunity to learn "real life lessons", how to relate to family and friends, and face the future with confidence. Learn critical skills and knowledge about communication with others, leadership, decision making, and problem solving. Boost your academic achievement by working on time management, study and research skills, and test taking skills. This exciting class will provide you with many tools to make the road to success easier.

**5717 LEADERSHIP DYNAMICS**

*(Semester) Freshman, Sophomore, Junior, Senior*

**Prerequisite:** *None*

This class will provide students an opportunity to explore and experience school leadership. Students will study the theories, attributes, and impact of good leadership. Talents, skills, and tools necessary for productive leadership will be practiced through a variety of campus and community involved projects and activities. Important world leaders, interpersonal skills, public speaking, planning, goal setting, facilitation, local leadership, campus leadership, shared decision making, business, government, future leading careers, and diversity will be included in the class curriculum. The student will have access to technology resources such as power point, Internet, and college and career search programs.

**5720/5721 COLLEGE KNOWLEDGE A/B**

*(Semester) Freshman, Sophomore, Junior, Senior*

**Pre-Requisite:** *None*

This course is designed to assist students in developing a personal college and career portfolio. Students will participate in several interest and skill inventory surveys, and then explore career matches for those interests. Once

---

established, students will begin the process of searching through the myriad of post secondary academic options for college and other educational program. All students will use the new 'state of the art' web-based Naviance software system, a comprehensive Career and college program for both students and families. Guest speakers who have expertise in all the topics covered will enrich the College Knowledge experience.

**5750 CROSS-AGE TEACHING / PE**

**5751 CROSS-AGE TEACHING / PE**

(Year) Sophomore, Junior, Senior

**Prerequisite:** *Teacher recommendation*

This program provides an opportunity for students to teach elementary physical education to primary grades. The first quarter is a training period for the students to learn teaching methods. The remaining three-quarters are spent in the actual teaching at elementary schools three days per week. Two days are spent at the high school for lesson planning and training.

**5754 CROSS-AGE TEACHING / LITERACY (ROP)**

(Semester) Sophomore (16 years old), Junior, Senior

**Prerequisite:** *None*

High school students will work with elementary children to strengthen reading skills. Students will have the opportunity to build positive, supportive relationships with the children they tutor. Two class periods per week are spent at the high school learning how to teach reading to children, making lesson plans and preparing materials. Three class periods are spent at an elementary school tutoring young children. Valuable work and life skills will be learned through participation in this program. Students build self-esteem, self-confidence, improve their literacy skills, build important relationships and make strong connections with each other in this success-oriented class.

**5760 PEER MENTORING**

(Semester) Junior, Senior

(May be repeated for additional credit or in place of Teacher Aide)

**Prerequisite:** *None*

This class will assist students in developing basic counseling and mentoring skills and attitudes. Responsibilities include being a leader to younger students, helping others with social and personal growth, tutoring, coordinating and organizing activities. In addition to the training, students will assist with various specialized groups on campus. Trained students will act as a campus resource for the students we serve.

**5770 SPORTS MEDICINE (ROP)**

(Semester) Junior, Senior

**Prerequisite:** *None*

This course is designed to provide related instruction and field training for students preparing for careers in sports

medicine, including physical therapy and careers in the health and fitness industry. Classroom instruction will include basic human anatomy, nutrition, injury prevention and training with certification in CPR and First Aid.

NOTE: An after-school component requires all students to participate in lab experiences involving athletic training and observation of 10 hours.

**5772 MEDICAL/THERAPEUTIC PRINCIPLES OF SPORT FITNESS A (ROP)**

**5773 MEDICAL/THERAPEUTIC PRINCIPLES OF SPORT FITNESS B (ROP)**

(Year) Junior, Senior

**UC Approved**

**Prerequisite:** *None*

This course covers human anatomy and physiology by examining how the many systems of the body interact with each other through physical activity, including sports. The prevention, evaluation and treatment of illness, disease and injury are addressed. Additional topics include conditions, which affect homeostasis, function and dysfunction of internal organs and the role of the nervous system in injury and recovery. This course prepares a student who is interested in a Health Science related career in which advanced training and a college degree is necessary. The course also focuses on lab methods, critical thinking, and communications skills needed to advance in these fields in a college or university.

NOTE: An after-school component requires all students to participate in lab experiences involving athletic training and observation of 50 hours.

**5802 RETAIL MARKETING (ROP)**

(Semester) Junior, Senior

**Prerequisite:** *None*

**Class Hours:** **Tuesday & Thursday, 3:00-5:30 pm**

This course is designed to provide students with the necessary skills for entry-level employment in merchandising and retail sales occupations. Students will acquire knowledge of basic sales techniques, cash register training, sales promotions, stock keeping and inventory control, and hands-on experience in the retail merchandising setting.

**5806 LAW ENFORCEMENT (ROP)**

(Semester) Sophomore, Junior, Senior

**Prerequisite:** *None*

**Class hours:** **Saturday 7:30 a.m. -3:30 p.m.**

Hands-on training includes first aid, CPR training, physical conditioning, report writing, and knowledge of law enforcement. No hands-on weapons training. Includes basic procedures for police explorers who are preparing for a career in law enforcement.

---

### **5808 BUSINESS MANAGEMENT (ROP)**

(Semester) Sophomore, Junior, Senior

**Prerequisite:** None

Introduces students to the buying and selling of goods, services, and ideas in the electronic commerce environment. Utilizing marketing foundations and functions, students will learn that marketing is a process that includes selling, advertising, market research, product decision-making and distribution. Technology will be used to teach students how to inform others about themselves, and their products/services, attract and retain customers, handle transactions, provide pricing and product information, and process and deliver products.

## **COMPUTER SCIENCE CLASSES**

### **COMPUTER SCIENCE MATRICULATION PATHS**

There are three sequences in Computer Science offered by Arcadia High School.

1. Networking – These courses are numbered A, B, C, and D and are one semester each.
2. Applications – It is recommended that students first take Computer Science and then enroll in Web Page Design. Computer Science may be waived if the instructor approves.
3. Programming – It is recommended that students first take one of three introductory programming courses (Java, or C++). These are one semester each. Students may take one or two, or both of these courses. Upon successful completion, students may then enroll in Advanced Placement (AP) Computer Science. This is a year-long class. The AP instructor may waive the introductory prerequisite on an individual basis.

## **COURSE DESCRIPTIONS**

### **COMPUTER SCIENCE HONORS AND AP COMPUTER SCIENCE NOTE:**

*A student may receive credit for more than one Computer Science Programming course. For example, a student may take Computer Science Honors 2 (Java) and later take Introduction to Programming (C++). However, a student cannot access a Computer Science Honors in a programming language after receiving credit for the AP Computer Science course*

### **5000 COMPUTER SCIENCE**

(Semester) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** None

This class will emphasize a variety of areas. Students will begin with computer literacy and the Windows environment. Desktop applications including Word, Excel, and PowerPoint will be covered. Students will progress to web page production including html, frames and other advanced topics.

### **5012 WEB PAGE DESIGN (ROP)**

(Semester) Sophomore, Junior, Senior

**Prerequisite:** A grade of "B" or higher in Computer Science OR teacher approval required.

This course provides students with basic knowledge and understanding of design theories and typography. In conjunction with computer applications, such as DreamWeaver and Flash, clip arts, digital photos and their own artistic abilities, students will design web pages for online publication. This class prepares students for jobs in the web page design field.

### **5002 COMPUTER PROGRAMMING C++**

(Semester) Freshman, Sophomore

**UC Approved**

**Prerequisite:** "C" or higher in Algebra 1 or consent of instructor.

This course is a fast-paced and rigorous introduction to programming fundamentals. Students will learn to write computer programs in a high level language that supports object oriented programming. Topics include data types and strings, math operations, input/output, decision-making, and loops. The course will introduce students to programming in the C++ language (**Note:** A minimum grade of "A-" in this course meets one of the prerequisite options for AP Computer Science).

### **5020 COMPUTER PROGRAM JAVA (ROP)**

(Semester) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** "B-" or higher in Geometry OR "A" in another computer science OR consent of instructor.

This course is a fast-paced and rigorous introduction to programming fundamentals. Students will learn to write computer programs in a high level language that supports object oriented programming. Topics include data types and strings, math operations, input/output and exception handling, decision-making, and loops. This course will introduce students to programming in Java language (**Note:** A minimum grade of "A-" in this course meets one of the prerequisite options for AP Computer Science).

### **5024 COMPUTER SCIENCE A (AP) A (ROP)**

### **5025 COMPUTER SCIENCE A (AP) B (ROP)**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** One of the following: Completion of Computer Science Honors with a grade of "A-" or higher, An "A" in Geometry or a score of proficient or advanced on the math subtest of the CST in Geometry or higher.

AP Computer Science is a substantial course for students interested in disciplines requiring computer knowledge. Students will design and implement computer based solutions to problems in several application areas. Algorithms and data structures will be learned and developed to solve problems. Students will be able to code fluently in the Java language. They will be able to read and understand a large program and describe the design and

---

development of that program. Students will prepare for the May Advanced Placement Computer Science Exam.

**5006 COMPUTER GAME PROGRAMMING (A)(ROP)**

**5007 COMPUTER GAME PROGRAMMING (B)(ROP)**

*(Year) Sophomore, Junior, Senior*

**UC Approved**

**Prerequisite:** *One of the following: Advanced score on CST in Algebra or Geometry, Proficient score on CST in Algebra 2 or High School Summative Math, or an "A" in any one previous programming course(C++, Java, Palm or AP).*

This course focuses on the computer programming proficiencies required to create a modern computer game. Students should exit the course with a solid foundation in object oriented computer programming. This foundation will be supported by the technical aspects of game programming. The curriculum includes introductory concepts such as variables, control structures, functions, and arrays as well as more abstract and advanced concepts such as classes, inheritance and polymorphisms. This course will also provide students with introductory proficiencies in the areas of computer graphics, animation, and sound.

**5050 COMPUTER HARDWARE/NETWORK ENGINEERING A (ROP)**

*Subtitle: Network Fundamentals*

*(Semester) Sophomore, Junior, Senior*

**Prerequisite:** *None*

**Note:** *This course is part of the AHS Network Management Pathway. The pathway is aligned and articulated with curriculum and course at Pasadena City College. The pathway is designed to help student earn credit early for college as well as help them set career paths. For further information contact the AHS ROP office.*

This course introduces the structure, functions, components, and models of the Internet and other computer networks. It focuses on the Small Office/Home Office environment. Students learn the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations of the Internet. Labs use a simulated "model Internet" to allow students to analyze real data. At the end of the course, students build simple LAN topologies by applying basic principles of cabling, performing basic configurations of network devices such as routers and switches, and implementing IP addressing schemes.

**5051 COMPUTER HARDWARE/NETWORK ENGINEERING B (ROP)**

*Subtitle: Routing Protocols and Concepts*

*(Semester) Sophomore, Junior, Senior*

**Prerequisite:** *A grade of "C" or higher in Computer Hardware and Network Engineering A.*

**Note:** *This course is part of the AHS Network Management Pathway. The pathway is aligned and articulated with*

*curriculum and course at Pasadena City College. The pathway is designed to help student earn credit early for college as well as help them set career paths. For further information contact the AHS ROP office.*

This course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. By the end of this course, students will be able to recognize and correct common routing issues and problems.

**5052 COMPUTER HARDWARE/NETWORK ENGINEERING C (ROP)**

*Subtitle: LAN Switching and Wireless*

*(Semester) Sophomore, Junior, Senior*

**Prerequisite:** *A grade of "C" or higher in Computer Hardware and Network Engineering B.*

**Note:** *This course is part of the AHS Network Management Pathway. The pathway is aligned and articulated with curriculum and course at Pasadena City College. The pathway is designed to help student earn credit early for college as well as help them set career paths. For further information contact the AHS ROP office.*

This course provides a comprehensive, theoretical, and practical approach to learning the technologies and protocols needed to design and implement a converged switched network. Students learn about the hierarchical network design model and how to select devices for each layer. The course explains how to configure a switch for basic functionality and how to implement Virtual LANs, VTP, and Inter-VLAN routing in a converged network. Students develop the knowledge and skills necessary to implement a WLAN in a small-to-medium network.

**5053 COMPUTER HARDWARE/NETWORK ENGINEERING D (ROP)**

*Subtitle: Accessing the WAN*

*(Semester) Sophomore, Junior, Senior*

**Prerequisite:** *A grade of "C" or higher in Computer Hardware and Network Engineering C.*

**Note:** *This course is part of the AHS Network Management Pathway. The pathway is aligned and articulated with curriculum and course at Pasadena City College. The pathway is designed to help student earn credit early for college as well as help them set career paths. For further information contact the AHS ROP office.*

This course discusses the WAN technologies and network services required by converged applications in Enterprise networks. The course uses the Cisco Network Architecture to introduce integrated network services and explains how to select the appropriate devices and technologies to meet network requirements. Students learn how to implement and configure common data link protocols and how to apply WAN security concepts, principles of traffic, access control, and addressing services. Finally, students learn how to detect, troubleshoot, and correct common enterprise network implementation issues.

---

## ENGLISH DEPARTMENT

DEPARTMENT CHAIR: Mr. Albert Sylvia, [asylvia@ausd.net](mailto:asylvia@ausd.net)

All students must be enrolled in an English class every semester and must earn a total of 40 units of English credit in order to graduate. Ninth through eleventh classes are year-long courses. Courses will comply with the California state standards for English Language Arts as listed on the district website. Students will complete a variety of language arts tasks through fiction and nonfiction pieces.

### ENGLISH CLASSES

#### 2100 ENGLISH 9A

##### UC Approved

The first semester of the freshman year focuses on the writing process and literary themes that will be developed throughout high school. The composition skills taught stress critical thinking, paragraph development, coherence, and the grammatical skills needed to write well and to speak intelligently about the writing process, as well as the development of persuasive and expository writing. The course features The Odyssey, mythology, short stories, and non-fiction selections from the Holt Language Arts level 3 textbook. Throughout the semester students learn literary terms such as exposition, irony, foreshadowing, and suspense. Students also develop the oral skills needed to give an expository speech.

#### 2101 ENGLISH 9B

##### UC Approved

The second semester of the freshman year reinforces writing concepts learned earlier in the year. Students experience various types of writing, including journals, literary analysis essays, and personal essays. The literature study this semester features Romeo and Juliet, Night, as well as, poetry, and nonfiction from the Holt Language Arts level 3 textbook. The writing includes two essays.

#### 2150 ENGLISH 10A

##### UC Approved

The first semester of the sophomore year introduces the student to classical themes and archetypes such as the initiation, the quest, and the hero. Selected works include The Catcher in the Rye and Lord of the Flies, as well as short stories, poetry, and nonfiction from the Holt Language Arts level 4 textbook. Teachers may also choose one work from the following list: Antigone, I Know Why the Caged Bird Sings, The Merchant of Venice, Oedipus Rex, or The Tales of King Arthur. Intensive and varied composition work will include the writing of the multi-paragraph essay. Knowledge of expository speech techniques and the delivery of an expository speech are also requirements of the course.

#### 2151 ENGLISH 10B

##### UC Approved

In the second semester of the sophomore year the thematic focus will be extended to include the role of the individual in society. Required works include one

Shakespeare play, To Kill a Mockingbird, and a choice of the following: A Separate Peace, Jane Eyre, Wuthering Heights, Frankenstein, Importance of Being Ernest, and Of Mice and Men. Short stories, poetry, and nonfiction will be selected from the Holt Language Arts level 4 textbook. Related written assignments reinforce core literature and themes. The focus of student writing will be the organized multi-paragraph essay.

#### 2200 ENGLISH 11A

##### UC Approved

In the junior year, English students analyze all genres of American literature. Students compare works of different periods that deal with similar themes, learn to appreciate the impact history has had on our literature, and analyze the writings of major American authors. Students will acquire an understanding of the major periods in literature including American Puritan Thought, Deism/Rationalism, Romanticism, Transcendentalism, and Realism. Required works include The Adventures of Huckleberry Finn and works by historically significant authors such as Edgar Allan Poe, Ralph Waldo Emerson, Henry David Thoreau, Nathaniel Hawthorne, Walt Whitman, Emily Dickinson, and Stephen Crane. Frequent and varied composition work will accompany all units. Students learn the logic, rhetoric, and advanced writing techniques needed to write a persuasive essay and to give a persuasive speech.

#### 2201 ENGLISH 11B

##### UC Approved

In the second semester of the junior year, students will explore the themes of American literature as they apply to the twentieth century. Required works include The Great Gatsby and a choice of Death of a Salesman, A Streetcar Named Desire, The Glass Menagerie or A Raisin in the Sun. As in all English classes, composition will be an integral part of the study of literature.

#### 2254 ENGLISH 12 - BRITISH LITERATURE

(Fall Semester)

##### UC Approved

The course focuses on literature prior to World War I. The core work is Macbeth. Students will also read drama, short stories, nonfiction, and poetry. Students will polish their composition skills and receive special direction in writing the personal essay required by most colleges.

---

## **2266 ENGLISH 12 – WORLD LITERATURE**

(Spring Semester)

### **UC Approved**

This course covers world literature emphasizing works from World War I to the present. Required works include All Quiet on the Western Front, drama, and readings in non-fiction and poetry. Students will continue to refine their composition skills. Giving a reflective speech is part of the oral requirements for the course.

## **2260 ENGLISH 12 - THE SEARCH FOR HUMAN POTENTIAL A**

(Fall Semester) Senior

### **UC Approved**

This class attempts to answer this question: What makes a quality life? By reading works of world literature which focus on the steps an individual must go through to find his potential and by exploring philosophical questions, students will develop a vision of growth for the next century. Composition will be an integral part of the study of literature.

## **2261 ENGLISH 12 - THE SEARCH FOR HUMAN POTENTIAL B**

(Spring Semester)

### **UC Approved**

This semester long course on Human Potential will have a thematic focus with a set of sociological and philosophical questions at core. Literary responses to these themes will be examined via literary selections from early Renaissance through the twentieth centuries with a specific focus on the Victorian through contemporary periods. Novels, short stories, plays and poetry will be selected to supplement selections from the senior Holt textbook. A secondary emphasis will be on the Humanities (specifically philosophy, art and music) which shaped the literature of each period.

## **2256 ENGLISH 12 - MYTHS & SCIENCE FICTION A**

(Fall Semester)

### **UC Approved**

The sources of world literature have influenced writers of futuristic fiction. This class will explore the myths of both the past and future and the links between them. The first semester features classical study, including The Epic of Gilgamesh, The Inferno, and world mythology, and then applies those classical concepts to modern works, which include Childhood's End, The Nun and the Demon, and The Adding Machine. As in all English classes, composition will be an integral part of the study of literature.

## **2257 ENGLISH 12 - MYTHS & SCIENCE FICTION B**

(Spring Semester)

### **UC Approved**

Myth to Science Fiction 2 continues to demonstrate the

influence of classical literature on modern works. Works of study include 1984, Anthem, The Tempest, and Brave New World. One major essay as well as smaller writing projects will be assigned.

## **2264 ENGLISH 12 - WOMEN'S LITERATURE A**

(Fall Semester)

### **UC Approved**

The themes of this course are how culture affects women and what women write about as a result. Students will study the work of 19<sup>th</sup> century women authors such as Jane Austen, Mary Wollstonecraft, and Elizabeth Cady Stanton. Reading and writing assignments explore the sometimes problematic, sometimes triumphant relationship of women to culture and society. Additional goals of the class are to appreciate the female literary tradition, to indicate the varied historical roots, and to explore the thematic range of women's literary heritage. As in all English classes, composition will be an integral part of the study of literature, with a focus on writing the senior college application essay.

## **2265 ENGLISH 12 - WOMEN'S LITERATURE B**

(Spring Semester)

### **UC Approved**

Spring semester will include the study of the work of 20<sup>th</sup> century women authors such as Virginia Woolf, Kate Chopin, and Toni Morrison. Reading and writing assignments explore the sometimes problematic, sometimes triumphant relationship of women to culture and society. Additional goals of the class are to appreciate the female literary tradition, to indicate the varied historical roots, and to explore the thematic range of women's literary heritage. As in all English classes, composition will be an integral part of the study of literature.

## **2262 ENGLISH 12 - SHAKESPEARE A**

(Fall Semester) Senior

### **UC Approved**

This class is a survey of the works of William Shakespeare that can be taken either first or second semester **or** as a year course. In the first semester the core work will be *Macbeth*. In addition, students will read at least one of Shakespeare's early comedies and one of his English history plays. This course will also examine the cultural, historical, political, and social environment that contributed to the plays' forms, themes, and language. We will primarily approach the texts through performance, evaluating both filmed and live versions to enhance textual understanding. Supplemental plays studied may be dependent on local theatrical productions.

## **2263 ENGLISH 12 - SHAKESPEARE B**

(Spring Semester) Senior

### **UC Approved**

---

In the second semester, the core work will be *Hamlet*. Students will also read at least one of the later comedies and a history based tragedy. Students in the second semester will continue to examine the cultural, historical, political, and social environment that contributed to the plays' forms, themes, and language as well as considering performance as an enhancement to textual analysis.

### **ADVANCED PLACEMENT/HONORS ENGLISH**

The English Honors program is a four year program designed to prepare students for the Advanced Placement Examination in Language and Composition and the Advanced Placement Examination in Literature and Composition administered annually by the College Entrance Examination Board. The English Honors course sequence is intended for the highly motivated student who meets the criteria for this program, who has good citizenship and study habits, and who desires to work at an academically accelerated rate.

**Preparation for Advanced Placement English** begins when students enter the English Honors Program. In order to enter the Honors/AP program, students must take the Honors Writing Entrance Test. Testing sign ups and procedures will be announced in the English classes and in the student bulletin. Testing procedures will be strictly adhered to. After taking the Entrance Writing Test, students must either earn a passing score on the writing test or have attained the following criteria: Grade of "A" or "B" in both a current and previous English class and a qualifying standardized test score.

The Advanced Placement English Program for juniors and seniors provides intensive study of literature and composition in preparation for the comprehensive three-hour exams in May. Students who perform with exceptional competency on the exam may be granted college credit and/or advanced placement in English at the college they plan to attend. Prior to their senior year, students should develop a wide and varied background both in prose and poetry as well as a high level of competency in composition and reading comprehension.

### **Expectations of English Honors Students**

We expect English Honors students to be highly proficient in the English language: they should read sensitively, be sophisticated enough to deal with literature containing mature themes, write with precision, and have an understanding of grammatical sentence structure.

### **Additional Information**

Board policy states that: "A Student not performing at least at a C level may be transferred on the initiative of the teacher, the counselor, the student, or the parent. A student declining such a transfer will be graded on his/her achievement in the range from A to F."

"Any transfer of a student into or out of the academically-advanced program should be preceded by a parent conference with the counselor and teacher."

### **2120 ENGLISH 9A HONORS**

UC Approved

This course will focus on accelerated writing skills while reading the core works listed in English 9A. Students will write at least one full-length essay in this semester.

### **2121 ENGLISH 9B HONORS**

UC Approved

The focus of the course will be on the core works listed in English 9B, intensive composition work, and grammar. An exploration of value systems and ethics will continue through the course and lead into the study of archetypal patterns in literature in the sophomore year.

### **2170 ENGLISH 10A HONORS**

UC Approved

Sophomore English Honors A is a semester course of literature and composition for advanced sophomores in which students explore archetypal patterns in literature. Other schools of literary criticism will also be pursued. Students will develop proficiency in many kinds of composition with the emphasis on writing essays about literature, developing good writing style, and perfecting their grammar skills. Literary selections include Oedipus Rex, the Arthurian legends, and The Catcher in the Rye and Lord of the Flies. The Mists of Avalon is a required outside reading.

### **2171 ENGLISH 10B HONORS**

UC Approved

This semester course is a continuation of the first semester's exploration. Students will also be introduced to Advanced Placement essay prompts. Core works include Othello, The Importance of Being Earnest, and Wuthering Heights. To Kill a Mockingbird and Jane Eyre are required outside reading.

### **2224 Advanced Placement ENGLISH LANGUAGE and COMPOSITION A**

UC Approved

Advanced Placement Junior English prepares students for the Advanced Placement Examination in Language and Composition. The class is an exploration of American Literature from the Puritan period to the post-Civil War period. Core fiction includes The Scarlet Letter and The Crucible. Students will also study examples of non-fiction prose to develop an appreciation for diction, syntax, and style and an understanding of the methods of argumentation (rhetoric). Students must become acquainted with different techniques of writing style and be able to use them in their own writing. Students must be able to read well, understand grammar, and employ composition skills with a high level of competence before entering this course.

---

**2225 Advanced Placement ENGLISH LANGUAGE and COMPOSITION B****UC Approved**

This course will continue first semester's study of American literature and extend it into the modern period. During the third quarter, students will read Death of a Salesman and The Great Gatsby, as well as prepare for the AP English Language Test. Students will continue their study of diction, syntax, style, and rhetorical techniques for use on the AP Language Exam given in May. In the five weeks preceding the exam, students will complete a variety of activities intended to prepare them for the examination. Following the AP examination, students will engage in an intensive study of the techniques of poetry, its meaning, techniques, and forms.

**2272 Advanced Placement ENGLISH LITERATURE and COMPOSITION A****UC Approved**

This course will continue the study of poetry introduced in AP Junior English B. A Shakespearean play and two or three novels and/or plays will be included in the literature requirements. Students will study Chaucer, sixteenth century poetry, and other pre-eighteenth century literature. Students will be required to write a minimum of 3 lengthy essays of literary analysis in addition to a personal essay appropriate for college applications.

**2273 Advanced Placement ENGLISH LITERATURE AND COMPOSITION B****UC Approved**

AP English B is a course designed to help students sharpen their analytical skills and to structure their review of literature in preparation for the challenging AP Exam in Literature and Composition. The course includes analysis of various types of literature, such as poetic explication, as well as the study of techniques involved in the writing of timed essays of analysis. Students are expected to read well and employ composition skills with a high level of competence before entering this course. Students will write approximately one essay per week and reread and analyze six to eight works of literary merit in the first quarter of the course. In the five weeks preceding the exam, students will complete a variety of activities intended to prepare them for the rigorous examination. Following the AP exam, the students complete independent projects related to literature.

**ENGLISH COURSES (SDAIE)****2102 ENGLISH 9A (SDAIE)****2103 ENGLISH 9B (SDAIE)****UC Approved**

This course, which honors the curriculum in English 9A and 9B (course number 2100 and course number 2101), is designed for Limited-English Proficient students in the advanced ELD level, delivered in English using special

methodologies and strategies to ensure comprehension of the curriculum.

**2152 ENGLISH 10A (SDAIE)****2153 ENGLISH 10B (SDAIE)****UC Approved**

This course, which honors the curriculum in English 10A and 10B (course number 2150 and course number 2151), is designed for Limited-English Proficient students in the advanced ELD level. The course is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**2202 ENGLISH 11A (SDAIE)****2203 ENGLISH 11B (SDAIE)****UC Approved**

This course, which honors the curriculum in English 11A and 11B (course number 2200 and course number 2201), is designed for Limited-English Proficient students in the advanced ELD level. The course is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**2268 ENGLISH 12 – WORLD LITERATURE (SDAIE)**

(Fall Semester)

**UC Approved**

This course, which honors the curriculum in Senior English: World Literature (course number 1175), is designed for Limited-English Proficient students in the advanced ELD level. The course is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**2258 ENGLISH 12 - MYTHS and SCIENCE FICTION (SDAIE)**

(Spring Semester)

**UC Approved**

This course, which honors the curriculum in Senior English: Origins and Outgrowths (course number 1168), is designed for Limited-English Proficient students in the advanced ELD level. The course is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**ENGLISH ELECTIVES****2050 READING A****2051 READING B**

(Year) Freshman, Sophomore

*Prerequisite: Teacher approval and Counselor Recommendation.*

This class supports students who need additional assistance in skills requisite for succeeding on the California High School Exit Exam. This program combines small-group, teacher-directed lessons and a large library of audio books for reading. The focus of the course is to build mental models and background knowledge, decoding, fluency and comprehension.

---

**2300 JOURNALISM NEWSPAPER-POW WOW A****2301 JOURNALISM NEWSPAPER-POW WOW B**

(Year) Freshman, Sophomore, Junior, Senior

(May be repeated for credit)

**UC Approved**

*Prerequisite:* Student must complete and pass *Contemporary Journalism* with a "B" or better and maintain a "B" average in English classes OR approval of instructor. Application and Interview required.

Students produce a monthly school newspaper called the Apache Pow Wow. News reporting, writing and editing skills as well as layout and graphic design and all related tasks required to produce a newspaper are taught. Students seeking staff positions must be self-motivated, self-directed, write well, have strong organizational skills, work well under pressure, be meticulous in work habits, and understand the importance of deadlines. Student editorial staff members plan and execute the entire publication process. Members of the *Apache Pow Wow* staff gain experience with advertising sales, budgeting, production, and journalistic skills. Additional work hours at lunchtime, before, and after school outside of the designated class period may be required.

**2310 ADVANCED JOURNALISM STUDIES A****2311 ADVANCED JOURNALISM STUDIES B**

(Yearbook)

(Year) Sophomore (limited admission), Junior, Senior

**UC Approved**

*Prerequisite:* Student must complete and pass *Contemporary Journalism* with a "B" or better and maintain a "B" average in English classes OR approval of instructor. Application and Interview required.

Students on the *Arcadian* yearbook staff will be required to learn layout design, copy, writing and editing, photo cropping and placement, and computer graphics with use of Adobe InDesign CS and Photoshop programs. Students seeking staff positions must be self-motivated, self-directed, write well, have strong organizational skills, work well under pressure, be meticulous in work habits, and understand the importance of deadlines. Student editorial staff members plan and execute the entire publication process. Members of the *Arcadian* staff gain experience with budgeting, planning, and learning journalistic skills. Additional work hours at lunchtime, before, and after school outside of the designated class period may be required.

**2304 CONTEMPORARY JOURNALISM**

(Semester) Freshman, Sophomore, Junior, Senior

**UC Approved ("G" elective)**

*Prerequisite:* None

This course provides students with introductory experiences in journalism. They can expect to learn about the history of the media, Libel Law, Journalistic ethics and responsibilities, interviewing, copy writing, headline writing, layout and design using Adobe InDesign, caption writing, newspaper and magazine production, broadcast writing as well as advertising and yearbook design.

Practical experiences are designed into this course to allow students to become familiar with the publications on this campus. This class is the prerequisite for students wishing to apply for Apache News, the *Apache Pow Wow*, and *Arcadian* staffs.

**2312 CREATIVE WRITING A****2313 CREATIVE WRITING B****8212 CREATIVE WRITING A (Online)****8213 CREATIVE WRITING B (Online)****UC Approved ("G" elective)**

(Year) Freshman, Sophomore Junior, Senior

This workshop class will be offered within a traditional in-class setting and also be offered as an ONLINE workshop class. This course satisfies elective credit in English. The course gives students strategies and practice in writing poetry, prose, and criticism. Through large and small groups, we will discuss the aesthetic values of word choice, the importance of criticism, and the demands of finding one's own voice. Students will also acquire tools for both writing well and for creative writing.

**2354 SPEECH TEAM / DEBATE TEAM A****2355 SPEECH TEAM / DEBATE TEAM B**

(Semester) Freshman, Sophomore, Junior, Senior

*Prerequisite:* Instructor approval

**UC Approved**

This semester class is open to all students with the permission of the teacher. Although interested students must submit an application and complete an interview, no prior speech experience is required. Students may join the class during the second semester although it is strongly recommended that students take the class for a full year. In this class, students prepare and practice for speech events at weekend tournaments; events include Lincoln-Douglas and team debate, extemporaneous speaking, congress, persuasive speaking, oratory, and interpretation. Students enrolled in the class are required to attend three weekend tournaments each semester to receive credit.

**2350 SPEECH DYNAMICS**

(Semester) Freshman, Sophomore, Junior, Senior

**UC Approved**

This course provides students with introductory experiences in speaking formally before an audience as well as opportunities for students to participate in several types of group discussions. Students will be guided in "how to prepare," "how to deliver," and "how to analyze speeches."

Research will require extensive use of library resources, interviews, and news media.

**ENGLISH LANGUAGE DEVELOPMENT - ELD**  
**DEPARTMENT CHAIR: Mrs. Mary Lou Guy-Sabatini, mguy@ausd.net**

Sequences of Year-long English Language Development and Year-long English classes			
<b>ELD classes:</b> ELD 1A-Comp ELD 1A-Read (9-12) ELD 1B-Comp ELD 1B-Read (9-12) ELD 2-Comp ELD 2-Read (9-12) ELD 3 –Comp ELD 3 –Literature (9-12)	<b>English/SDAIE Classes:</b> English 9 A/B SDAIE English 10 A/B SDAIE English 11 A/B SDAIE English 12 SDAIE	<b>English classes:</b> English 9 A/B English 10 A/B English 11 A/B English 12 Senior options	<b>English Honors and Advanced Placement (AP) classes:</b> English 9 A/B Honors English 10 A/B Honors AP English Language & Composition AP English Literature & Composition
<b>ELD: High School English credit classes</b>	<b>SDAIE classes*</b> (UC Approved)	<b>College preparation credit courses (UC approved)</b>	

\*Only one year of SDAIE is accepted for credit by the UC system

**ELD PROGRAM**

The English-Language Development (ELD) program provides to the Limited-English-Proficient student access to the core-curriculum for high-school graduation credit and for college-preparation credit in English. In addition, the Science, English and the Social Science Departments offer Specially Designed Academic Instruction in English (SDAIE) classes in order to provide access to the core curriculum.

**English Language Development Terminology:**

1. **English-Language-Development (ELD)** refers to second-language instruction with the purpose of developing the student's English skills in listening, speaking, reading, and writing to a proficient level in both fluency and literacy. Four ELD levels are in the English-Language Development Department: ELD 1a-beginning level; ELD 1b-early intermediate level; ELD 2- intermediate level; and ELD 3-early advanced level.

2. **Limited-English Proficient (LEP)** refers to the second-language learner in the English-Language-Development program.

3. **Specially Designed Academic Instruction in English (SDAIE)** indicates classes, which give the Limited-English-Proficient student, access to the core curriculum. The classes are taught at the appropriate grade level of instruction in the core-curriculum, and they are delivered

in English using special methodologies and strategies in order to ensure comprehension of the content. All of the ELD courses offer high school graduation credit, and many of the courses meet University of California approval.

**ELD Assessment and Placement Procedures:**

1. The Education Code of the State of California require that all new students enrolling in the Arcadia Unified School District whose Home-Language Survey indicates that a language other than English is spoken in the home are required to take a reading, writing, and oral (listening and speaking) CELDT test in order to determine their English proficiency.

2. The students' test results determine their English-class placement. Note: Middle School and High School teachers may recommend students for the ELD program. Those students whose test results indicate proficiency in English will be enrolled in a regular English class, and those

---

students whose English is limited will be recommended for the ELD program.

3. These test results will determine the students' ELD level.

4. As students progress through the ELD program, they are reassessed at the end of each semester for the appropriate ELD level and classes. Although all classes are year-long changes may occur within the first 3 weeks of the semester, if necessary, and provided there is space available in the next level.

5. All ELD classes are year-long and students will not be moved out of ELD classes at the semester into SDAIE classes.

6. RECLASSIFICATION REQUIREMENTS:

ENGLISH LANGUAGE PROFICIENCY

- CELDT – California ELD Test  
Minimum overall score of Early Advanced with a minimum individual domain score of Intermediate in either Reading OR Writing AND a minimum Listening/Speaking score of Early Advanced

ENGLISH ACADEMIC ACHIEVEMENT

- CST – California Standard Test  
Score of mid-Basic (minimum scaled score of 325)\* or above in English Language Arts AND Math
- CAHSEE – California High School Exit Exam  
PASS with scaled score or 350+ in both Language Arts & Math
- Curriculum Mastery in Core subjects  
English grade of C or better in ELD English/SDAIE or ELD
- Access to the Core Curriculum  
Academic GPA = 2.0 or higher

AUSD WRITING ASSESSMENT

- Arcadia High School ELD Writing Assessment  
Score = 4

Reclassification for grades 9-12 will be determined prior to the start of the school year. (Reclassification and placement in SDAIE is no longer allowed mid year.)

\*High school students who have met all other criteria, but score at the low Basic level may be brought before the ELD Reclassification Committee for consideration; the committee is comprised of the classroom teacher, ELD department chair, ELD curriculum specialist and an assistant principal.

\*\*Parents have the right to withdraw their student from the ELD program; AUSD representative will meet with the parents to review options and recommendations. Students who are withdrawn from the program must still take the annual CEDLT test until they meet the required criteria for reclassification. Voluntary withdrawals from the program

may not be possible until the beginning of a new school year.

ELD LEVELS AND CLASSES:

- **ELD 1: (9-12)** (year course)
- ELD 1a Composition and ELD 1a Reading (These classes consist of two periods of instruction and students must be enrolled in both periods.)
- ELD 1b Composition and ELD 1b Reading (These classes consist of two periods of instruction and students must be enrolled in both periods.)

**ELD 2: (9-12)** (year course)

- ELD 2 Composition and ELD 2 Reading (These classes consist of two periods of instruction and students must be enrolled in both periods.)

**ELD 3: (9-12)** (year course)

- ELD 3 Composition and ELD 3 Literature (These classes consist of two periods of instruction and students must be enrolled in both periods.)

**English-Language Development Courses:**

**2400 ELD 1A (Composition A)**

**2401 ELD 1A (Composition B)**

**2402 ELD 1A (Reading A)**

**2403 ELD 1A (Reading B)**

These courses are designed for Limited-English Proficient students in the beginning level who are at the pre-production or "silent period" of language acquisition. These courses use the natural approach syllabus, which provides the development of the essential communication skills in listening, speaking, reading and writing with topics, situations, and functions designed to develop everyday survival skills. Students must be enrolled concurrently in both classes.

**2410 ELD 1B (Composition A)**

**2411 ELD 1B (Composition B)**

**2412 ELD 1B (Reading A)**

**2413 ELD 1B (Reading B)**

These courses are designed for Limited-English Proficient students in the early intermediate level who are at the early speech-production stage of language acquisition. These courses use the natural approach syllabus, which provides the development of the essential communication skills in listening, speaking, reading and writing with topics, situations, and functions designed to develop everyday survival skills. Students must be enrolled concurrently in both classes.

**2420 ELD 2 (Composition A)**

**2421 ELD 2 (Composition B)**

**2422 ELD 2 (Reading A)**

**2423 ELD 2 (Reading B)**

---

These courses are designed for Limited-English Proficient students in the intermediate level who are at the speech-emergence stage of language acquisition. These courses use the natural-approach syllabus, which provides the development of the essential communication skills in listening, speaking, reading and writing with topics, situations, and functions designed to develop everyday survival skills. In addition, the course emphasizes an understanding of literary interpretation at the students reading level. In order to further facilitate learning, numerous ELD teaching methods are used so that the LEP student can acquire the English Language. Students must be enrolled concurrently in both classes.

**Social Science Department:**

- Social Science (Sheltered)
- Modern World History (SDAIE)
- U.S. History (SDAIE)
- American Government (SDAIE)
- Economics (SDAIE)

**2430 ELD 3 (Composition A)**

**2431 ELD 3 (Composition B)**

This course is designed for Limited-English Proficient students in the early advanced level who are at the intermediate stage of language acquisition. This course encompasses a variety of themes, especially the conflict between being an individual and the need for acceptance, and an understanding of human nature. Through various literary selections (multicultural literature) and genres related to the theme, the students will generate their personal connections to the literature within the essays. In addition, the students will use listening, speaking, reading, and writing process strategies, and collaborative group-activities to enhance their English skills.

**2432 ELD 3 (Literature A)**

**2433 ELD 3 (Literature B)**

This course is designed for Limited-English Proficient students in early advanced level who are at the intermediate stage of language acquisition. The primary focus of this class is to expose the English Learner to various genres. Through various literary selections (multicultural literature) the students will generate their personal connections to the literature and essays. In addition, the students will use various listening, speaking, reading, and writing process strategies and collaborative group activities in order to enhance their English-language skills.

**CONTENT CLASSES FOR ENGLISH LANGUAGE LEARNERS:**

**English Department:**

- English 9 A/B (SDAIE)
- English 10 A/B (SDAIE)
- English 11 A/B (SDAIE)
- English 12: World Literature (SDAIE)
- English 12: From Myths to Science Fiction (SDAIE)

**Science Department:**

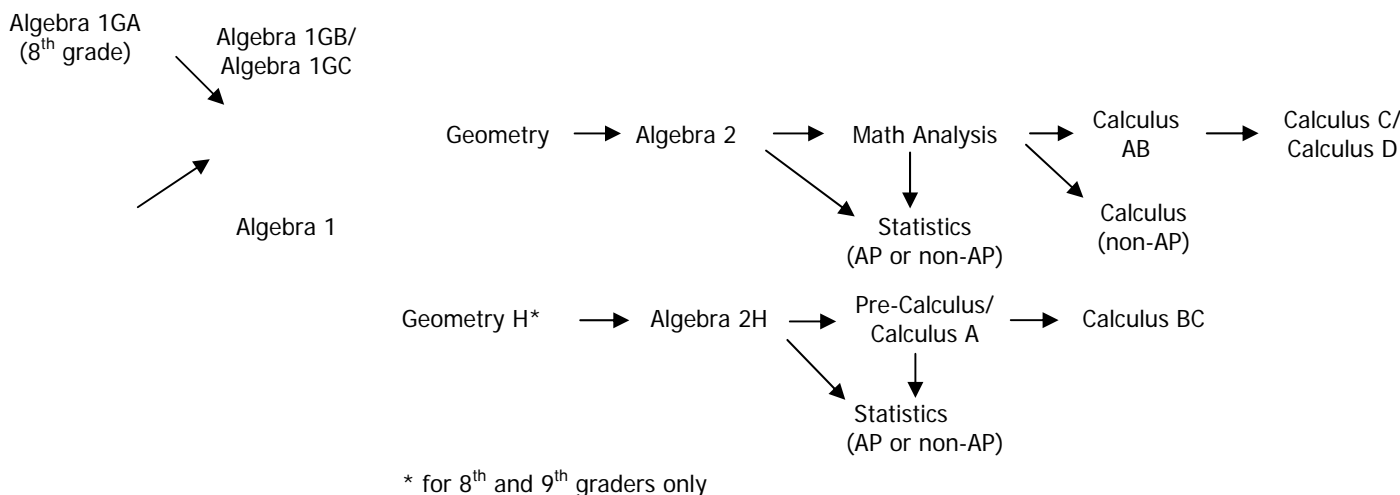
- Biophysical Science (SDAIE)
- Biology (SDAIE)
- Chemistry (SDAIE)

**MATH DEPARTMENT**

**DEPARTMENT CHAIR: Mr. David Silah, [dsilah@ausd.net](mailto:dsilah@ausd.net)**

**Suggested Course Progression**

Below are outlines of different progressions through the math department that students can take at Arcadia High School. The first is a flowchart that gives a general idea of how the classes are related in sequence. The second is a matrix that provides a general outline of how the classes are connected to grade level. Both of these are guidelines only. Specifics concerning pre-requisites for each course are listed below, and should be carefully reviewed. The possibilities in both charts are intended to help students and parents estimate math progress throughout a student's high school years. These are not requirements, nor are they rigidly constrained boundaries. Please contact the counselors for more information about course requirements and academic progression on an individual basis.



Grade 9	Grade 10	Grade 11	Grade 12
Algebra G A/B	Algebra G C/Intro to Geo	Geometry A/B	Algebra 2 A/B
Algebra G B/C	Geometry A/B	Algebra 2 A/B	Math Analysis A/B, Statistics, AP Statistics.
Algebra 1 A/B	Geometry A/B	Algebra 2 A/B	Math Analysis A/B, Statistics, AP Statistics.
Geometry A/B	Algebra 2 A/B	Math Analysis A/B, Statistics, AP Statistics.	AP Calculus A/B, Calc A/B, Statistics, AP Statistics.
Geometry A/B (H)	Algebra 2 A/B (H)	Pre-Calc/Calc A, Math Analysis A/B, Statistics, AP Statistics.	AP Calculus B/C, AP Calculus A/B, Calc A/B, Statistics, AP Statistics.
Algebra 2 A/B	Math Analysis A/B, Statistics, AP Statistics.	AP Calculus A/B, Calc A/B, Statistics, AP Statistics.	Calculus C/D, Statistics, AP Statistics.
Algebra 2 A/B (H)	Pre-Calc/Calc A, Math Analysis A/B, Statistics, AP Statistics.	AP Calculus B/C, AP Calculus A/B, Calc A/B, Statistics, AP Statistics.	Calculus D (second semester only), Statistics, AP Statistics.

---

## **GRADUATION REQUIREMENTS**

Four semesters (20 Units) of math are required for graduation. In addition, state legislation and AUSD Board policy requires students to pass one year of Algebra 1 as part of these 20 credits. Students can meet the Algebra 1 requirement by completing the year course titled Algebra 1 or the three-semester Algebra G program. For students who wish to only fulfill the graduation requirements, the AHS math department recommends Algebra 1G1A, Algebra 1GB, and Algebra 1GC.

### **No class may be repeated for credit.**

#### **PREREQUISITES**

Admission to most math classes at AHS requires a "rising C average" in the preceding course, which means students must have at least a C average for the course and at least a C in the last semester of the class. [A few math classes require higher grade averages and/or teacher recommendation; see the course descriptions below for these exceptions.] Please note that for Algebra G, all three semester grades are averaged together.

Example: If an algebra student earns a D in the fall and then a B in the spring, he/she may go on to geometry since the student has a C average with at least a C in the second semester. However, if a student earns a B in the fall and a D in the spring, the student may NOT go on because the second semester grade was not a C, even though the average grade is a C.

In order to meet prerequisites, math classes may be taken over the summer to improve a grade in a previous class. All work must be done at an ACCREDITED school and students must submit an official transcript of completed work.

#### **SUMMER SCHOOL ACCELERATION**

Math classes may be taken over the summer in order to accelerate beyond the normal course progression. For example, a student who completes geometry as a junior may take Algebra 2 over the summer in order to take Math Analysis as a senior. The Arcadia High School Math Department does NOT recommend this course of action for MOST students. Our goal is to have students be successful and we feel it is extremely difficult to learn and retain a year's worth of math in the course of a six or seven week summer school program. Students who choose to take summer school courses for the purpose of accelerating are subject to the following requirements:

- All work must be taken at an ACCREDITED school such as PCC, Citrus, Mark Keppel, or the University of LaVerne. Work done through private tutoring, or tutoring services is **not** acceptable. Course work must be graded.
- Students must achieve a B average on all summer school work, documented through official transcripts and/or report cards submitted to the math department chair in the fall.
- Students may be required to submit a course description or outline to the department chair in order to verify that the course(s) taken include the

appropriate material. It is the student's responsibility to ensure that the summer school course(s) taken are equivalent to the AHS course to be skipped

#### **FREQUENTLY ASKED QUESTIONS**

**Q: I am on track to be in Calculus AB as a senior, but I want to be in Calculus BC. How can I get into BC?**

A: The math department recommends that you follow the usual sequence of classes through your junior year: in 9<sup>th</sup> grade take Geometry, in 10<sup>th</sup> grade take Algebra 2, and in 11<sup>th</sup> grade take Math Analysis. Then, during the summer between your junior and senior years, go to PCC (or other junior college in the area) and take one SEMESTER of calculus, equivalent to our Calculus A course. You can then take Calculus BC here at AHS as a senior. Note: you must get at least a B in your summer course.-

**Q: I'm a sophomore in Algebra 2 right now, but I want to be in Pre-Calculus/Calculus A next year. How can I get into Pre-Calculus if I'm NOT in Algebra 2 Honors?**

A. Generally this is not possible. If there are unusual circumstances (transfer students, etc.), the department chair can make exceptions to the policy. Students who want to be in Calculus BC as seniors can follow the recommendation in the answer to the previous question above.

**Q: Last summer, I had a tutor teach me all about the math class I'm enrolled in now. Is it permissible to skip this class following my participation in such a summer tutorial?**

A: No. The only way you can receive credit for a class on your AHS transcript is by actually taking a class at an accredited school. This is a school policy, not just a math department policy. This policy is for your protection: if you want a college to accept your math background as complete, you must be able to PROVE you took the class by having the school where you took it send a transcript to your college. Private tutors, or tutoring services that are not ACCREDITED schools, CANNOT send transcripts to colleges.

**Q: I already know all the material in my current math class. Isn't there a test I can take so I can go on to the next class?**

---

A: No. Students cannot earn credit by examination at AHS.

**Q: I transferred from a different school (or country) and I think I was placed in the wrong math class. How can I change classes?**

A. Start by seeing your counselor. If your counselor thinks it is warranted, you may be recommended to see the math department chair for a placement exam.

**DEPARTMENT POLICIES**

**Dropping a Test Score**

Note: Most Math Department teachers follow this policy, but some do not, and are not required to do so. Students who take all exams on time as scheduled will be allowed to drop the lowest test score at the end of the semester.

**Tests on File**

For most math classes, teachers keep student's tests on file and available for review at school only. Students and parents are welcome to make an appointment to review any tests with the teacher at school.

**COURSE DESCRIPTIONS**

**1002 INVESTIGATIVE MATH**

(Semester) Junior, Senior

**Prerequisite:** none

Investigating Math is a one semester course designed for students in grades 11 and 12 who have completed the Algebra 1 graduation requirement yet still need 5 units of math to complete the 20 unit requirement. Investigating Math covers practical math skills applicable to both home and job situations and covers three major units of study: business and consumer math, probability and statistics, and applied geometry. Use of a calculator for basic operations is incorporated throughout.

**1100 ALGEBRA 1 A**

**1101 ALGEBRA 1 B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

Algebra 1 covers the fundamental properties of the real number system. Topics include simplifying algebraic expressions, laws of exponents, solving first and second-degree linear equations and inequalities, solving systems of equations and inequalities, functions and function notation, graphs of linear and quadratic functions, radical equations, ratio and proportion, and the quadratic formula. Many problems are presented in context and students are required to read, interpret and solve such problems.

**Note:** Students who receive a D or F in Algebra for the Fall semester will be transitioned to Algebra 1GA for the Spring semester.

**1104, 1105, 1106 ALGEBRA 1GA, 1GB, 1GC**

(Three Semesters) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** None, Incoming freshmen who have completed Algebra A in the 8<sup>th</sup> grade with a rising C average will be placed into Algebra 1GB in the fall.

This three-semester course covers the same material as Algebra 1 but at a slower pace. Students who have mastered the necessary skills in the Introduction to Algebra class in the Fall semester may take Algebra 1G1 starting in the Spring, and then complete the Algebra G series the next year.

**1150 GEOMETRY A**

**1151 GEOMETRY B**

(Year) Freshmen, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Algebra 1 with a rising C average

Geometry is the study of points, lines and areas in a single plane, and includes some extension into three-dimensional space. Emphasis is also placed on creating a consistent set of axioms and using deductive reasoning to write proofs and derive theorems. Students need to have a strong foundation in algebraic concepts.

**1170 GEOMETRY (H) A**

**1171 GEOMETRY (H) B**

(Year) Freshman only

**UC Approved**

**Prerequisite:** Algebra 1A with a grade of B or higher (both semesters), and teacher recommendation

Geometry H covers the same material as Geometry, but requires investigating many concepts more fully with an emphasis on higher level thinking skills. Students are expected to solve more complex and sophisticated problems. First semester includes an intensive study of proofs.

Note: Students who earn a D or F in Geometry A may be placed in Introduction to Geometry for the spring, based on teacher recommendation.

**1180 INTRODUCTION TO GEOMETRY**

(Spring Semester) Freshman, Sophomore

**Prerequisite:** Introduction to Geometry is the fourth semester in the Algebra 1G A, B, C sequence. Completion of Algebra or Algebra G series with a rising C average is required.

Introduction to Geometry provides student with foundational skills in the basic principles to allow them to succeed in regular Geometry the next semester. Topics emphasized include the language of geometry (vocabulary, definitions, postulates, theorems, etc.) and

---

visual representations (notations, constructions, drawings, etc.). Students also review basic algebra skills and learn about the development of a consistent axiomatic system used for deductive reasoning. The concept of proof is covered through a more informal approach than regular Geometry, encouraging students to reason and think logically but with less structure than the formal two-column proof.

### **1230 INTRODUCTION TO ALGEBRA 2**

(Spring Semester) Sophomore, Junior

**Prerequisite:** *none*

Introduction to Algebra 2 is a one semester course that reviews and reinforces basic Algebra 1 skills, but also includes some of the extensions of these concepts typically found in Algebra 2. This course is designed to help students prepare for Algebra 2, and is intended primarily for students who have already taken Algebra 2 but been unsuccessful.

### **1200 ALGEBRA 2 A**

### **1201 ALGEBRA 2 B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *Geometry with a rising C average*

A further study of Algebra, this course includes analysis of higher degree equations, logarithmic and exponential functions, complex numbers conic sections, probability, sequences and series, and an introduction to trigonometry.

Note: Students who earn a D or F in Algebra 2A may be placed in Introduction to Algebra 2 for the spring, based on teacher recommendation.

### **1220 ALGEBRA 2 (H) A**

### **1221 ALGEBRA 2 (H) B**

(Year) (Selected Freshmen), Sophomore

**UC Approved**

**Prerequisite:** *Algebra 1A and Geometry H with grades of A (all four semesters) and teacher recommendation and qualifying grade on entrance exam*

This honors-level course is similar to Algebra 2, but includes more trigonometry and analytical geometry and covers material at a faster pace. Problems are generally more difficult and may require insight, creativity and visualization as well as exceptional algebra and geometry skills

### **1250 MATH ANALYSIS A**

### **1251 MATH ANALYSIS B**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *Algebra 2 with a rising C average*

This course prepares the student for Calculus. Topics covered include an in-depth study of all the elementary functions, inverse functions, conic sections, matrices and

determinants, higher degree polynomial functions, logarithmic and exponential functions, sequences and series, math induction and an in-depth study of trigonometry.

### **1270 PRE-CALCULUS (H)**

(Fall Semester) (Selected Sophomores), Junior

**UC Approved**

**Prerequisite:** *B's or higher in both semesters of Algebra 2H and teacher recommendation.*

The course content is similar to Math Analysis but material is covered at a faster pace. The 3-semester sequence of Algebra 2H and Pre-Calculus covers the same material found in the 4-semester sequence of Algebra 2 and Math Analysis. Pre-Calculus is offered only in the fall term.

### **1271 CALCULUS A (H)**

(Spring Semester) (Selected Sophomores), Junior

**UC Approved**

**Prerequisite:** *B's or higher in both semesters of Algebra 2H and teacher recommendation*

Calculus A Honors is the second semester of the Pre-calculus/Calculus A Honors sequence. Students who successfully complete the course will continue with AP Calculus BC in the fall. The course begins with an extensive study of limits of functions, which leads to the definition of the derivative of a function. Derivatives and their applications are then studied in detail. If time permits the course concludes with a brief introduction to the anti-derivative.

### **1300 CALCULUS A**

### **1301 CALCULUS B**

(Year) Senior

**UC Approved**

**Prerequisite:** *Math Analysis with a rising C average*

Following an extensive review of pre-requisite material, this non-AP class covers the traditional calculus concepts of limits, derivatives and integrals. Each of these ideas is examined numerically, graphically and analytically to enhance understanding. Students complete projects and experiments using the graphing calculator and other technology. Calculus is designed as an alternative to AP Calculus AB for students who do not want the demands of an AP class and want a head start on college calculus. Most, but not all, of the AP Calculus AB curriculum will be covered in this course.

### **1322 CALCULUS AB (AP) A**

### **1323 CALCULUS AB (AP) B**

(Semester) Selected Sophomores, Junior, Senior

**UC Approved**

**Prerequisite:** *Math Analysis with a rising C average OR Pre-Calculus with a "C", The math department recommends that students with C's in both semesters of Math Analysis take the non-AP calculus class described*

---

above rather than AP Calculus AB, as experience has shown a poor success rate for these students.

This one semester class is the beginning of calculus. Topics covered include functions, limits, continuity, and differentiation rules for elementary functions, trig functions, logarithmic and exponential functions. Applications of the derivative are covered extensively. An introduction to the definite integral and integration are also included. Students who have already passed either the AP Calculus AB or BC exam should not take this class.

[Note: AP Calculus AB teachers may elect to administer exams at 7:00 a.m.]

### **1324 CALCULUS BC (AP) A**

### **1325 CALCULUS BC (AP) B**

(Semester) Junior, Senior

**UC Approved**

**Prerequisite:** A rising "C" average in Pre-Calculus (H)/Calculus A (H).

This course includes a thorough study of integral calculus, covering a variety of integration techniques, as well as many different applications of the definite integral, such as area and volume. This course also includes extensive work in preparation for the Advanced Placement Exam. Students may earn subject and/or unit credit at the college level for the successful completion of this course and the AP exam in May. Students who have already passed either the AP Calculus AB or BC exam should not take this class.

### **1326 CALCULUS C (H)**

(Fall Semester) Junior, Senior

**UC Approved**

**Prerequisite:** Completion of AP Calculus AB with a rising C average

Topics covered in include simple differential equations, exponential and logistic growth, parametric and polar functions, vectors, and infinite sequences and series. This course also includes extensive work in preparation for the Advanced Placement Exam. Students may earn subject and/or unit credit at the college level for the successful completion of this course and its AP exam in May. Students who have already passed the AP Calculus BC exam should not take this class.

### **1327 CALCULUS D (H)**

(Spring Semester) Senior

**UC Approved**

**Prerequisite:** Calculus C with "C"

Topics covered include applications of the derivative and anti-derivative not covered in previous calculus classes, such as hyperbolic trig functions, integration by tables and other substitutions, center of mass, centroid of a plane region, and force due to fluid pressure. The course also includes a lengthy introduction to multi-variable calculus. Currently, there is no AP examination for Calculus D.

### **1350 STATISTICS A**

### **1351 STATISTICS B**

(Year) Sophomore, Junior, Senior

UC Approved

**Prerequisite:** Algebra 2 or Algebra 2H with a rising C average

This non-AP course covers the basic principles of descriptive statistics, exploratory data analysis, design of experiments, sampling distributions and estimation, and fitting models to data. Statistical concepts are studied in order to understand related methods and their applications. Other topics include probability distributions, sampling techniques, binomial distributions, and experimental design. Applications involving games of chance, business, medicine, policy-making, the natural and social sciences, and sports will be explored. A graphing calculator (Texas Instruments TI 83+) is used extensively as a learning tool and is required for the course.

### **1370 STATISTICS (AP) A**

### **1371 STATISTICS (AP) B**

(Year) Junior, Senior

**UC Approved**

**Prerequisite:** Algebra 2 or Algebra 2H with B or higher.

AP Statistics introduces the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Major topics include: observing patterns and departures from patterns, planning a process for collecting data, producing models using probability and simulation, and applying statistical inference. Use of the Texas Instruments TI-83 calculator is incorporated into the curriculum. Students may earn subject and/or unit credit at the college level for the successful completion of this course and its accompanying Advanced Placement exam in May. Students may, but are not encouraged to, enroll in AP Statistics concurrently with other math classes such as Math Analysis, Pre-Calculus or AP Calculus AB or BC.

---

## NON DEPARTMENTAL CLASSES

### **5500/5501 OFFICE AIDE A/B**

(Semester) Freshman, Sophomore, Junior, Senior

*Prerequisite: None*

Students will be assigned to a specific office, for one period only, to assist in the everyday operations of that office. Responsibilities include answering phones, greeting visitors, filing, copying and collating materials, distributing materials, delivering messages to teachers and students, delivering call slips to students, collecting attendance sheets, and assisting other offices with their duties. This position will provide excellent training for entry-level office positions.

council of students based upon their elected or appointed office. Students will plan and implement activities for all students as well as participate in issue discussions that affect members of the student body. Students will learn and apply parliamentary procedure in council meetings. Students will be primarily evaluated based upon their job effectiveness and their participation in council activities

### **5502/5503 TEACHER AIDE A/B**

(Semester) Freshman, Sophomore, Junior, Senior

*Prerequisite: None*

Students will be assigned to a specific teacher to assist in the classroom. Responsibilities include, but are not limited to, copying classroom materials, and running errands on campus. This position will provide students with entry level job training skills.

### **5504/5505 LIBRARY AIDE A/B**

(Semester) Freshman, Sophomore, Junior, Senior

*Prerequisite: None*

Students will be assigned to the Library, for one period only, to assist in the everyday operations of the Library. Library aides will be greeting visitors as well as teachers and students, answering telephone calls, taking information, and answering questions. Library aides will retrieve and shelve library materials and textbooks, read library shelves, cover the circulation counter, and assist the Library staff. This position will provide students with training for student library positions in college and personal library skills.

### **5530/5531 ACADEMIC MENTOR A/B**

(Semester) Junior, Senior

*Prerequisite: Strong academic skills in core classes with a desire to assist peers.*

Academic Mentor is an elective class where, under the guidance of the teacher, students are ready to work with peers who are struggling or need individual attention in one or more of their academic courses. Students will be assigned to provide academic support in a classroom during one period a day. A student's strengths and preferences will be taken into consideration.

### **5960/5961 ASB Leadership A/B**

(Year) Freshman, Sophomore, Junior, Senior

*Prerequisite: Elected Student Officers and Instructor's Approval*

The purpose of the leadership class is to fulfill the duties of the Associated Student Body Government. Each student has a specific role to fulfill within the larger

---

## PERFORMING ARTS DEPARTMENT

DEPARTMENT CHAIR: Mr. Tom Lanes, Tlandes@ausd.net

### INSTRUMENTAL MUSIC PROGRAM

#### 4530 INTRODUCTION TO INSTRUMENTS

(Spring Semester only)

Freshman, Sophomore, Junior, Senior

**Prerequisite:** None

Students in this beginning instrument course can hone their instrumental skills and improve their musicianship in preparation for entrance into one of the more advanced instrumental groups.

#### 4532 MUSIC APPRECIATION

(Semester) Freshman, Sophomore, Junior, Senior

Music is all around us. This class was designed to help us to understand and appreciate the music that we hear and to experience new sounds unfamiliar to us. We will learn about how music is made (theory), what makes the music (instruments), who makes music (musicians and composers), why it was made (music history) and we will listen to examples of music from the world around us (Ethnomusic, Music of the American Musical Theater, Jazz), and more.

#### 4500 CONCERT BAND 1 A (Fall) and

#### 4503 CONCERT BAND BRASS 1 B (Spring)

#### 4505 CONCERT BAND WOODWIND 1 B (Spring)

(Year) Freshman

**UC Approved**

**Prerequisite:** One year introductory instrument course and permission of the instructor; students must demonstrate the ability to read music and possess the stamina necessary for full participation

Concert Band 1 offers a daily musical experience with emphasis in the first semester on musicianship and preparation of music for football game half time, fall parades and field shows. The second semester is devoted to concert music of a more serious nature. Spring performances include concerts.

#### 4508 CONCERT BAND BRASS 2 A

#### 4509 CONCERT BAND BRASS 2 B or

#### 4510 CONCERT BAND WOODWIND 2 A

#### 4511 CONCERT BAND WOODWIND 2 B

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Permission of Instructor

Concert Band 2 is composed of the more advanced players on the brass or woodwind instruments. Selections are based on ability and particular instrumentation needs. The first semester emphasis is on musicianship of march music and the second semester is devoted to symphonic works with preparation for concerts. This class is currently being taught in two periods, one brass class and one woodwind class.

#### 4512 CONCERT BAND 3 A

#### 4513 CONCERT BAND 3 B

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Permission of Instructor and Student Audition

Concert Band 3 consists of the most advanced wind and brass players. The nucleus of this band may form the wind sections of the orchestra. The select nature of this ensemble gives students an opportunity to play the finest musical literature.

#### 3550 MARCHING BAND PE\*

(Fall Semester-Period 1 beginning at 7:40 a.m.)

Freshman, Sophomore, Junior, Senior

**Prerequisite:** Recommendation of Teacher; Students must demonstrate the ability to read music and must possess the stamina necessary for full participation

Students enrolled in Marching Band are required to be concurrently enrolled in a Concert Band class.

Participation in Marching Band includes practices and performances outside the school day, including Saturdays. Marching Band students may also have the opportunity for travel during winter or spring break requiring additional costs. One semester Marching Band fulfills one semester of the PE requirement.

\*Concurrent enrollment in Concert Band is mandatory

#### 3556 DANCE PROP PRODUCTION A

#### 3557 DANCE PROP PRODUCTION B

(Color Guard)

(Year-period 1 only) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Audition required – tryouts in spring for the following school year

This class teaches dance movement and dance skills through the use of artistic props and costumes, which necessitate supplementary costs. Fundraising activities are made available to assist with cost. Performance opportunities exist both with the Marching Band in the fall and as an independent unit in the spring. Students learn and perfect routines for public performances and competitions, which require travel outside the school day and may include competitions out of state in the spring. Additional costs may be incurred for the spring costumes and travel. A student in Dance Prop Production may receive **fine arts** or **physical education credit** toward high school graduation.

#### 4550 INTERMEDIATE PERCUSSION ENSEMBLE A

#### 4551 INTERMEDIATE PERCUSSION ENSEMBLE B

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Permission of instructor, previous percussion or piano background. Students must

---

*demonstrate the ability to read music and possess the stamina necessary for full participation.*

Percussion Ensemble members will develop playing and marching skills at an intermediate level, as well as developing intermediate ensemble skills. Percussion ensemble members will perform in several spring competitions, which may require some Saturday and/or weekend traveling involving additional costs. Fundraising activities are made available to assist with cost. Students may also perform with a concert band during the second semester, with the level of the concert band to be determined by the instructor. **These students are not enrolled in Marching Band.**

**4554 ADVANCED PERCUSSION ENSEMBLE A**  
**4555 ADVANCED PERCUSSION ENSEMBLE B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Permission of instructor; Students must demonstrate the ability to read music and possess the stamina necessary for full participation*

**Percussion Ensemble members are also members of the Marching Band**, requiring two periods of participation in the fall semester. Percussionists from Marching Band have an opportunity to practice and enhance their technical skills and improve their ability to work as a unit. Students may perform with a concert band during the second semester with the level of concert band to be determined by the instructor. Percussion Ensemble students will also perform in several spring competitions, which may require some Saturday and/or weekend traveling involving additional costs. Fundraising activities are made available to assist with cost.

**4600 SYMPHONY ORCHESTRA 1A**  
**4601 SYMPHONY ORCHESTRA 1B**

(Year) Freshman

**UC Approved**

*Prerequisite: One-year introductory instrument course and/or permission of the instructor*

Symphony Orchestra I offers a daily musical experience with emphasis on musicianship and technique. Performances include concerts and festivals.

**4606 SYMPHONY ORCHESTRA 2A**  
**4607 SYMPHONY ORCHESTRA 2B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: One year of string orchestra or its equivalent*

Students are taught to develop their individual techniques. As their abilities permit they acquire through participation, performance and study, an intimate acquaintance with fine music from the orchestral literature.

**4612 SYMPHONY ORCHESTRA 3A**

**4613 SYMPHONY ORCHESTRA 3B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Permission of Instructor and Student Auditions held in the spring AND one year participation in Orchestra 1 or Orchestra 2.*

Symphony Orchestra 3 consists of the most advanced string players. Students are given the opportunity to play the finest music literature for both string orchestra and full orchestra. This group provides the nucleus for the symphony orchestra, which may be augmented by the wind and percussion players from Concert Band 3. The school orchestra will be prepared to provide instrumental music for the school and community when possible. Concerts may feature soloists, ensembles and full orchestra. Playing for the entire student body and community functions such as concerts and graduation are only a few of the opportunities for public appearances afforded to orchestra members.

**4520 MUSIC THEORY (AP) A**

**4521 MUSIC THEORY (AP) B**

(Year) Junior, Senior

**UC Approved**

*Prerequisite: Qualifying assessment*

This course is designed as a course in general music theory to prepare your for the A.P. Theory exam in May. *It is not an introductory class.* The A.P. designation presupposes proficiency in the Visual and Performing Arts Standards of the State of California. The Advanced Placement test includes Pitch, notation, tonality, harmonic analysis, rhythmic dictation and interval identification, voice leading, harmonic progression, chromatics, and form.

**CHORAL MUSIC**

**4652 GIRLS CONCERT CHOIR A**

**4653 GIRLS CONCERT CHOIR B**

**4654 BOYS CONCERT CHOIR A**

**4655 BOYS CONCERT CHOIR B**

(Year) Freshmen, Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Audition or recommendation of previous vocal teacher.*

Members of the concert choir participate in singing for enjoyment while practicing the proper vocal techniques necessary to communicate at this level. Students learn to carry their own part and to sing with a group at an advanced level. The choral literature for this class is of an advanced nature. The group will perform at the two major concerts and may also have other opportunities to perform, such as school assemblies or festivals. There are generally 6-8 rehearsals held outside of the school day during the year. This is a one year class, but may be taken for a semester with the approval of the instructor or a

---

counselor. Costs are between \$35 and \$70 for the year for their performance outfit. Fundraisers are available to assist with those costs.

**4656 TREBLE CONCERT CHOIR A**

**4657 TREBLE CONCERT CHOIR B**

(Year) Freshmen, Sophomore, Junior, Senior

**UC Approved**

Members of the Treble Concert Choir participate in singing for enjoyment while learning to communicate vocally. It is an excellent vocal class to prepare one for entrance into one of the more advanced classes later. Students learn the basics of music theory and learn how to sight read music. They learn how to sing parts in a group and how to sing on their own while practicing proper vocal qualities. The group has two major performances during the year. Costs are between \$30 and \$55 for the year for their performance outfit. Fundraisers are available to assist with those costs.

**4660 ADVANCED TREBLE CHOIR A (NEW SPIRIT)**

**4661 ADVANCED TREBLE CHOIR B (NEW SPIRIT)**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Auditions only. Previous experience is desired. All members have at least a two-year enrollment obligation to Concert Choir or Treble Concert, unless cleared by the director and through a petition for administrative approval*

New Spirit meets as a class on a daily basis with choreography rehearsals at least one afternoon per week. Extra rehearsals may be required during the course of the year on weekends or school holidays. New Spirit performs popular music in the community and competitions in up to fifty performances during the year. They also perform at the major school concerts and assemblies. They may also have a concert tour, usually during spring break. Each member has at least a two-year obligation to enroll in Concert Choir, which generally requires the enrollment in summer school. This obligation can be filled before enrollment in New Spirit or run concurrently. Regardless, all members of New Spirit perform with Concert Choir. New spirit consists of Advanced level vocal students who work in a select group while developing and perfecting proper vocal techniques. Each member is required to pay \$300.00 - \$400.00 for their outfits and other costs, not including the cost of a possible tour. Several fundraising activities are available to assist with those costs.

**4664 ADVANCED CHORUS A (CHANTEURS)**

**4665 ADVANCED CHORUS B (CHANTEURS)**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Audition only. Previous experience is desired. All members have at least a two-year obligation to Concert Choir or Treble Concert Choir, unless cleared by the director and through a petition for administrative approval*

Chanteurs meets as a class on a daily basis with choreography rehearsals at least one evening per week. Extra rehearsals may be required during the course of the year on weekends or school holidays, including Memorial Day weekend in May. Chanteurs performs popular music in up to seventy-five performances throughout Southern California, including several competitions. They also perform at the major school concerts and assemblies. In addition, they may also have a concert tour, generally during spring break. Each member has at least a two-year obligation to enroll in Concert Choir, which generally requires enrollment in summer school. This obligation can be filled before enrollment in Chanteurs or run concurrently. Regardless, all members of Chanteurs perform with Concert Choir. Each member is encouraged to take private voice lessons. Chanteurs consists of advanced level vocal students who work in a select group while developing and perfecting proper vocal techniques. Each member is required to pay \$300.00-\$400.00 for their outfits and other costs, not including the cost of a possible tour. Several fundraising activities are available to assist with those costs.

**THEATER ARTS**

**4700 THEATER ARTS 1A**

**4701 THEATER ARTS 1B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: None*

This is a beginning course in drama and theatre literacy. Vocabulary, pantomime, voice, body movement, improvisation, play analysis, production structure, and general theatre skills will be emphasized. Play reading, written play analysis, and theatre attendance will be required. Exercises and study will culminate in an end of the year public performance of a one-act play, or dramatic and humorous ensembles and monologues.

**4704 THEATER ARTS 2A**

**4705 THEATER ARTS 2B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Completion of Theater Arts 1 at AHS or 8<sup>th</sup> Grade Drama AND an audition (incoming 9<sup>th</sup> graders only)*

An intermediate course for the more serious theatre student emphasizing theatre history, directing, acting technique and technical theatre. This course will prepare students for Advanced Theater Arts with a more advanced study of voice and movement, in-depth character analysis and play analysis. Play reading and theatre attendance is required. Study and exercises will culminate in student directed performances. Scene work and monologues will be taken to state theatre competitions. Students are required to assist one main stage production per semester. This involves a two-week commitment of attending after school rehearsals.

---

**4708 ADVANCED THEATER ARTS A****4709 ADVANCED THEATER ARTS B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Theater Arts 1, Theater Arts 2 AND an audition with Instructor.

This course designed to emphasize all aspects of public performance, competition, and in-depth acting technique. Students will perform or assist in 2-3 full productions per school year, requiring after school rehearsal, as well as participation in various Showcase performances. In-depth play and character analysis, advanced techniques in acting and improvisation, and make-up design are emphasized throughout the course of the year. Play reading, written play analysis, and theatre attendance are required elements.

**4716 STAGECRAFT A****4717 STAGECRAFT B**

(Year) Freshman, Sophomore, Junior, Senior

*Prerequisite:* None

Stagecraft is a comprehensive course in which students develop skills in scene design, set construction, stage lighting, sound production, scenery painting, and property making. Students gain experience assisting in designing, constructing, and maintaining scenery for various productions at Arcadia High School. Additional time outside of class may be required during production times to construct sets, prepare the theatre, and assist backstage during shows.

**DANCE PROGRAM****3560 BEGINNING DANCE (ROP)**

(Semester) Sophomore, Junior, Senior

*Prerequisite:* None

This class consists of warm-ups, across the floor movements and choreography. Students are taught basic jazz dance technique and terminology. Students are expected to be able to choreograph and perform a portion of a dance number. There is a mandatory public performance each semester outside of the school day. This course fulfills the PE requirement. Course can be taken more than once.

**3564 INTERMEDIATE DANCE A (ROP)****3565 INTERMEDIATE DANCE B (ROP)**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Teacher approval

This class is geared toward the intermediate dancer who understands basic dance technique and is ready for more challenging material and an introduction to choreography. A student in Intermediate Dance may receive **fine arts** or **physical education credit** toward high school graduation.

**3570 ORCHESIS A (ROP)****3571 ORCHESIS B (ROP)**

(Year), (0 and 1<sup>st</sup> period) Junior, Senior

**UC Approved**

*Prerequisite:* Audition required

This class teaches warm-ups, strengthening, advanced dance techniques, and an in-depth study of elements of choreography. Students prepare for the annual Orchesis Show, which is presented to the public each spring. There is an extensive amount of outside rehearsal time which students are required to attend. A student in Orchesis may receive **fine arts** or **physical education credit** toward high school graduation.

---

## PHYSICAL EDUCATION DEPARTMENT

DEPARTMENT CHAIR: Mr. Mike Oglesby, [moglesby@ausd.net](mailto:moglesby@ausd.net)

### Philosophy

It is the purpose of education today to guide the development of the whole individual. Physical education offers to students the opportunity to develop physically, socially, emotionally and intellectually.

All students are required to enroll in Physical Education in the 9th and 10th grades. Students are encouraged to continue taking Physical Education in grades 11 and 12. Physical Education grades are counted as part of the student's over-all high school grade point average. Any physical education class completed in grade 9 or 10 where credit was not earned must be made up in grades 11 or 12. Also, in order to graduate, students must meet the Swim Survival and Health Proficiency requirements.

### Health Requirement

Starting with the class of 2009 - Students who do not take Physical Education (Athletics, Color Guard, or Pep Squad) will need to meet the Health requirements by taking a health class (18 days) for a Pass/Fail grade. Classes will be offered during:

- Zero Period (3 ½ week course) OR AEF Summer School (fee based program)

### 3500 PHYSICAL EDUCATION 9A

(Fall Semester)

Students will participate in at least four major sport areas: soccer, tennis, track and field, and volleyball. Along with these sports, students will participate on a daily basis in activities aimed at improving their cardiovascular fitness, upper body strength, abdominal strength, and flexibility. Once a week, students will participate in a functional fitness training activity.

### 3501 PHYSICAL EDUCATION 9B

(Spring Semester)

Students will participate in at least four major sport areas: basketball, football, softball and swimming. A one week aquatics seminar will be offered to those students who are interested in snorkeling and kayaking. Along with these sports, students will continue to work on improving their cardiovascular fitness, upper body strength, abdominal strength, and flexibility through daily activities aimed at preparing students for the California Physical Fitness tests.

### 3510 PHYSICAL EDUCATION 10 A

Students will continue to develop skills acquired during their freshman year and will be exposed to new activities. The primary emphasis of the Sophomore curriculum is individual and dual sports, with badminton and swimming as required core activities. Three or four days a week, students will participate in team or individual sports activities. They will have a choice of two activities throughout the semester from the following selections: basketball, football, softball, and field sports. In addition, one or two days a week, students will participate in personal fitness and weight training.

### 3511 PHYSICAL EDUCATION 10 B

Students will continue to participate three or four days a week in dual, team, and individual sports with golf and tennis as required core activities, choosing two of the following selections: track & field, outdoor education,

soccer, and volleyball. In addition, one or two days a week the student will participate in weight training and personal fitness.

### PE ELECTIVE PROGRAM

#### \* ATHLETICS

(Season) Freshman, Sophomore, Junior, Senior

**Prerequisite:** Recommendation of Teacher/Coach

Students making teams are to enroll in sixth period class for their Physical Education credit. All sports are under California Inter-scholastic Federation rules and regulations.

### 3517 WEIGHT TRAINING

**Prerequisite:** None

(Semester) Junior, Senior

Students participate in daily weight training activities. Emphasis is on training and conditioning. Utilization of both free weights and machines will be employed, as well as circuit training. Students will create a personal workout plan, and may receive PE credit.

### 3515 FIT FOR LIFE

(Semester) Sophomore, Junior, Senior

**Prerequisite:** None

Students will participate in total body conditioning as well as become educated in fit for life skills (nutrition, workouts, etc.). Activities include fast walking, running, abdominal and upper body work, various sports, and cooperative learning games, and rock climbing. Students will design their own personal fitness workout. This course fulfills the PE requirement.

### 3516 INDOOR SPORTS

**Prerequisite:** None

(Semester) Sophomore, Junior, Senior

Students will participate in a variety of indoor sports, including badminton, basketball, floor hockey, volleyball,

---

rock climbing and weight training. Both individual and team competition activities are included. Students may receive PE credit.

### **3550 MARCHING BAND PE**

(Fall Semester) Freshman, Sophomore, Junior, Senior  
Period 1 beginning at 7:40 a.m.

**Prerequisite:** Recommendation of Teacher; students must demonstrate the ability to read music and possess the stamina necessary for full participation  
Students enrolled in Marching Band are required to be concurrently enrolled in a Concert Band class. Participation in Marching Band includes practices and performances outside the school day. One semester Marching Band fulfills one semester of the PE requirement.

### **\*3556 DANCE PROP PRODUCTION A**

### **\*3557 DANCE PROP PRODUCTION B**

(Year-period 1 only) Freshman, Sophomore, Junior, Senior  
**UC Approved**

**Prerequisite:** Audition required – tryouts in spring for the following school year

This course is for the Auxiliary Guard units in the fall. Performance opportunities are both with the Marching Band and as an independent unit. In the spring, students learn and perfect routines for public performances and competitions. This class teaches dance movement and dance skills through the use of artistic props. A student in Dance Prop Production may receive **fine arts** or **physical education credit** toward high school graduation.

### **3560 BEGINNING DANCE (ROP)**

(Semester) Sophomore, Junior, Senior

**Prerequisite:** None

This class consists of warm-ups, across the floor movements and choreography. Students are taught basic jazz dance technique and terminology. Students are expected to be able to choreograph and perform a portion of a dance number. There is a mandatory public performance each semester outside of the school day. This course fulfills the PE requirement. Course can be taken more than once.

### **3564 INTERMEDIATE DANCE A (ROP)**

### **3565 INTERMEDIATE DANCE B (ROP)**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Teacher approval

This class is geared toward the intermediate dancer who understands basic dance technique and is ready for more challenging material and an introduction to choreography. Students may receive PE credit.

### **\*3570 ORCHESIS A (ROP)**

### **\*3571 ORCHESIS B (ROP)**

(Year) (0 and first period) Junior, Senior

**UC Approved**

**Prerequisite:** Audition required

This class teaches warm-ups, strengthening, advanced dance techniques, and an in-depth study of elements of choreography. Students prepare for the annual Orchesis Show, which is presented to the public each spring. There is an extensive amount of outside rehearsal time which students are required to attend. A student in Orchesis may receive **fine arts** or **physical education credit** toward high school graduation.

### **\*3830 PEP SQUAD A**

### **\*3831 PEP SQUAD B**

(Year)

Class Hours: Meets sixth period

Prerequisite: Audition required

This class is required for Pep Squad members. Tryouts are held second semester. The squad is composed of the following groups: Pep Flag, Song, Varsity, J.V., and Freshman Cheer. Students may receive PE credit.

\* NOTE: Students enrolled in courses with an asterisk may take another PE class during the same semester.

---

## REGIONAL OCCUPATIONAL PROGRAM (ROP)

ROP COORDINATOR: Mrs. Debbie Young., DEBBIEY @ausd.net

### CLASSES - PERIODS ONE THROUGH SIX

Sophomores (only where noted), 16 year olds, Junior, Senior

#### **1810 BIOTECHNOLOGY A**

#### **1811 BIOTECHNOLOGY B**

(Year) Sophomore, Junior, Senior

**UC Approved** (fulfills Lab Science requirement for UC/CSU)

**Prerequisites:** *Completion of Biology and Algebra 1*

In a broad sense Biotechnology is the study and manipulation of biological processes, organisms, or systems to manufacture products intended to improve the quality of human life. This course is designed for students wishing to explore the cutting edge field of biotechnology and learn laboratory techniques used in this field. This course will fulfill both the laboratory science requirement for colleges and high school graduation requirement. The Biotechnology course will instruct students in laboratory concepts, techniques and methods using critical thinking, communications, technical reading, and writing skill required in the fields of genetics, microbiology and biotechnology. Students will learn the basic standard laboratory operating procedures including record-keeping and safe and proper use of equipment. Students will have hands-on laboratory experience on the use of sterile technique, cell culture, DNA and protein isolation, and electrophoresis. Students will develop skills on the use of spectrophotometry, recombinant DNA technology and bacterial transformation. Opportunities for post-secondary education and employment will be explored allowing students to gain a broad awareness of both scientific and technological career paths.

#### **3564 INTERMEDIATE DANCE A**

#### **3565 INTERMEDIATE DANCE B**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *Teacher approval*

This class is geared toward the intermediate dancer who understands basic dance technique and is ready for more challenging material and an introduction to choreography. A student in Intermediate Dance may receive **fine arts** or **physical education credit** toward high school graduation.

#### **\*3570 ORCHESIS A**

#### **\*3571 ORCHESIS B**

(Year) (0 and first period) Junior, Senior

**UC Approved**

**Prerequisite:** *Audition required*

This class teaches warm-ups, strengthening, advanced dance techniques, and an in-depth study of elements of choreography. Students prepare for the annual Orchesis Show, which is presented to the public each spring. There

is an extensive amount of outside rehearsal time which students are required to attend. A student in Orchesis may receive **fine arts** or **physical education credit** toward high school graduation.

#### **4066 GRAPHIC DESIGN A**

#### **4067 GRAPHIC DESIGN B**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** None

Graphic Design is an introductory course that explores historical styles to contemporary trends in the global field of design. With the awareness of design solutions throughout history in various cultures students will understand the impact of the arts and design in shared human experiences. Students will also learn methods and theory such as elements and principles of design to enhance their problem solving skills, artistic vision, and style in projects such as posters, logos, magazine layouts, and advertisements. Learning the three main industry standard computer software, Adobe Photoshop, Adobe Illustrator and QuarkXpress, will provide students with professional environment and responsibilities as graphic designers.

#### **4260 ANIMATION**

#### **4261 ANIMATION**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** None

Animation class introduces students to various techniques in creating motion through animation. They will have the opportunity to explore stop motion animation through drawing and claymation. They will have the opportunity to learn computer software such as Adobe Photo shop, Flash, Illustrator, Premiere, After Effect, Soundbooth, and 3D program Maya. The class will place creativity and storytelling as a priority. Students will get the opportunity to develop original scene play to develop into animation.

#### **4250 DIGITAL PHOTOGRAPHY A**

#### **4251 DIGITAL PHOTOGRAPHY B**

**LAB FEE:** a \$30.00 lab fee may apply

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** None

Digital photography explores the digital photographic process as a method of creative, visual communications. It also investigates art principles and the development of technical skills to communicate effectively. This course will cover the use of and type of hardware and software necessary to do digital imaging. All work is done on computers. Having a digital camera is not required. Class is project oriented and outcome based. This course is

---

especially valuable for students with an interest in advertising, art, science, annuals, journalism and graphic art.

#### **5020 COMPUTER PROGRAM JAVA**

(Semester) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** "B-" or higher in Geometry OR "A" in another computer science OR consent of instructor.

This course is a fast-paced and rigorous introduction to programming fundamentals. Students will learn to write computer programs in a high level language that supports object oriented programming. Topics include data types and strings, math operations, input/output and exception handling, decision-making, and loops. This course will introduce students to programming in Java language (**Note:** A minimum grade of "A-" in this course meets one of the prerequisite options for AP Computer Science).

#### **5024 COMPUTER SCIENCE A (AP) A**

#### **5025 COMPUTER SCIENCE B (AP) B**

(Year) Sophomore, Junior, Senior

**UC Approved, UC Honors Approved**

**Prerequisites:** One of the following: Completion of Computer Science Honors with a grade of "A-" or higher, An "A" in Geometry or a score of proficient or advanced on the math subtest of the CST in Geometry or higher.

AP Computer Science is a substantial course for students interested in disciplines requiring computer knowledge. Students will design and implement computer based solutions to problems in several application areas. Algorithms and data structures will be learned and developed to solve problems. Students will be able to code fluently in the Java language. They will be able to read and understand a large program and describe the design and development of that program. Students will prepare for the May Advanced Placement Computer Science Exam.

#### **5050 COMPUTER HARDWARE/NETWORK ENGINEERING A**

*Subtitle: Network Fundamentals*

(Semester) Sophomore, Junior, Senior

**Prerequisite: None**

The focus will be on microcomputer repair and maintenance and operating systems including DOS, Windows 3x, 9x, NT, 2000 and XP. The course will also include introduction to networking in the Microsoft environment. The course offers opportunities for students to develop skills and understanding of computer systems through experimentation, construction, operation, and technical assistance to users of the AUSD district wide network. Completion of this course may lead to qualification for the CompTIA A+ certification exam. Students who complete all four semesters of the course successfully will have the skills necessary to serve as entry-level computer network assistant.

#### **5051 COMPUTER HARDWARE/NETWORK ENGINEERING B**

*Subtitle: Routing Protocols and Concepts*

(Semester) Sophomore, Junior, Senior

**Prerequisites: A grade of "C" or higher in Computer Hardware and Network Engineering 1, Microcomputer Hardware/Software or Computer Science Networking A.**

The focus will be on networking fundamentals, design and implementation of a Local Area Network (LAN), user and resource management in a Small Office of Home Office (SOHO). The course offers opportunities for students to develop skills and understanding of computer networking through experimentation, construction, operation, and technical assistance to users of the AUSD district wide network. Course work may lead to qualification for the Cisco Certified Network Associate exam. The course includes instruction in Routing Theory, Router components, Router Setup and Startup, Router Configuration, Transmission Control Protocol, Internet Protocol (TCP/IP), Internet Protocol (IP) Addressing; Routing Protocols. Completion of this course may lead to qualification for the CompTIA Network+ certification exam.

Students who complete all four semesters of the course successfully will have the skills necessary to serve as entry-level computer network assistant.

#### **5052 COMPUTER HARDWARE/NETWORK ENGINEERING C**

*Subtitle: LAN Switching and Wireless*

(Semester) Sophomore, Junior, Senior

**Prerequisite: A grade of "C" or higher in COMPUTER HARDWARE AND NETWORK ENGINEERING B.**

The focus will be on networking fundamentals, design and implementation of a Local Area Network LAN, user and resource management and Enterprise network. The course offers opportunities for students to develop skills and understanding of computer networking through experimentation, construction, operation, and technical assistance to users of the AUSD district wide network. Course work may lead to qualification for the Cisco Certified Network Associate exam. The course includes additional hours assisting AUSD users. The course includes instruction in Local Area Network switching, Virtual Local Area Networks (VLAN), Local Area Network Design, increasingly sophisticated router configuration, and network troubleshooting skills. Students who complete all four semesters of the course successfully will have the skills necessary to serve as entry-level computer network assistant.

#### **5053 COMPUTER HARDWARE/NETWORK ENGINEERING D**

*Subtitle: Accessing the WAN*

(Semester) **Sophomore, Junior, Senior**

**Prerequisite: A grade of "C" or higher in COMPUTER HARDWARE AND NETWORK ENGINEERING C.**

---

The focus will be on networking fundamentals, design and implementation of a Wide Area Network (WAN) and Network Administration. The Course offers opportunities for students to develop skills and understanding of computer networking through experimentation, construction, operation, and technical assistance to users of the AUSD district wide network. Course work may lead to qualification for the Cisco Certified Network Associate exam. The course includes additional hours assisting AUSD users. The course includes instruction in Wide Area Network, Wide Area Network Design, Point to Point Protocol (PPP), Integrated Services Digital Network (ISDN), Frame Relay, all CCNA Exam-related learning objectives. Students who complete all four semesters of the course successfully will have the skills necessary to serve as entry-level computer network assistant.

**5006 COMPUTER GAME PROGRAMMING A**  
**5007 COMPUTER GAME PROGRAMMING B**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisites:** *One of the following: Advanced score on CST in Algebra or Geometry, Proficient score on CST in Algebra 2 or High School Summative Math, an "A" in any one previous programming course(C++, Java, Palm or AP).*

This course focuses on the computer programming proficiencies required to create a modern computer game. Students should exit the course with a solid foundation in object oriented computer programming. This foundation will be supported by the technical aspects of game programming. The curriculum includes introductory concepts such as variables, control structures, functions, and arrays as well as more abstract and advanced concepts such as classes, inheritance and polymorphisms. This course will also provide students with introductory proficiencies in the areas of computer graphics, animation, and sound.

**5012 WEB PAGE DESIGN**

(Semester) Sophomore, Junior, Senior

**Prerequisite:** *A grade of "B" or higher in Computer Science OR teacher approval required.*

This course provides students with basic knowledge and understanding of design theories and typography. In conjunction with computer applications, such as DreamWeaver and Flash, clip arts, digital photos and their own artistic abilities, students will design web pages for online publication. This class prepares students for jobs in the web page design field.

**5552 OFFICE TECHNOLOGY**

(Semester) Sophomore, Junior, Senior

**Prerequisite:** *None*

Office Occupations will train students to learn basic business skills. The class is individualized and students

work at their own pace. Computers, keyboarding skills, business writing, and guest speakers are available as part of this class. Office Occupations prepares the student for business. Office Occupations teaches the most basic yet demanding skills in business today.

**5604 INTERMEDIATE VIDEO PRODUCTION**

**5605 INTERMEDIATE VIDEO PRODUCTION**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *Beginning Video Production with a grade of "B" or higher and video teacher approval.*

Building on techniques that students have learned in Beginning Video Production, this two-semester course will enable students to create original video productions using single camera/film style techniques and advanced editing methods. The course will emphasize scripting, story breakdown, and shot visualization, and will cover the range of communications skills needed—written, auditory, and visual—to create effective videos. Projects will include short drama productions, comedy videos, and various types of news stories for a simulated newscast. Students will learn to produce these projects from start to finish, including script-writing and editing, story breakdown, filming and film editing, use of portable camcorders and editing equipment, shot breakdown, and final editing. Frequent and ongoing evaluation of projects in development, both by the instructor and by students, is an integral part of the course. This class is a prerequisite for Adv. Video Production/Apache News.

**5608 ADVANCED VIDEO PRODUCTION A**

**5609 ADVANCED VIDEO PRODUCTION B**

**(APACHE NEWS) (DAY CLASS)**

(Year) Junior, Senior

**UC Approved**

**Prerequisite:** *Teacher recommendation, interview/ audition, Beginning Video Production, OR Contemporary Journalism with a "B" or better*

This course provides advanced students with the opportunity to produce a weekly school newscast, Apache News. Students in technical and on-air crews try out for positions during the previous spring semesters. Students gain experience working as a team creating a news show with headlines and an audience of over 3,800.

Those students who enroll in Advanced Video Production (Apache News) may concurrently take the Advanced Video Production class, which meets on Tuesday, and Thursdays after school.

**5650 CIVIL LAW**

(Semester) Junior and Senior

**UC Approved**

**Prerequisite:** *None*

This class provides specialized training in basic terminology, introduction to the legal system. This class focuses on the area of civil law. Students will study the

---

process of a civil lawsuit, trial preparation, attorney/client relationship, client interviewing and investigation, research and legal writing. The class will include family law (marriage and divorce), probate law (will and trusts). Students will participate in a civil mock trial.

### **5652 CRIMINAL LAW**

(Semester) Junior and Senior

#### **UC Approved**

**Prerequisite:** None

This class provides specialized training in the area of criminal law. Students will study the elements of a crime, classification of crimes, business-related crimes, rights of the defendant and defenses. The class will also focus on the investigation of the crime, along with the medical investigation (cause of death). In addition, course work will address basic terminology, attorney/client privilege, and research/legal writing. The role of the district attorney, grand jury, public defender, and defense attorney will be discussed. Students will participate in a criminal mock trial.

### **5700 FOOD SCIENCE**

(Semester) Junior, Senior

**Prerequisite:** None

This course includes a complete study of the science of food. It deals with, nutrition, meal planning, eating disorders, and consumer education issues such as purchasing, operation and care of kitchen equipment and wise shopping are included.

### **5704 CULINARY SCIENCE**

(Semester) Junior, Senior

**Prerequisite:** Food Science with a grade of "C" or better, or teacher recommendation.

Culinary Science is designed to provide students with instruction in food processing, food safety and sanitation and product development. The students will have the opportunity to experience and prepare international cuisine

from countries throughout the world. Catering will allow students to plan, price, shop, prepare and serve meals in restaurant style. Special occasion foods or party-type foods such as fancy garnishes, elegant desserts, and cake decorating. Careers in food, gives students some insights into the many career opportunities in the food/hospitality industry.

### **5754 CROSS-AGE TEACHING / LITERACY**

(Semester) Sophomore-16 years old, Junior, Senior

**Prerequisite:** None

High school students will work with elementary children to strengthen reading skills. Students will have the opportunity to build positive, supportive relationships with the children they tutor. Two class periods per week are spent at the high school learning how to teach reading to

children, making lesson plans and preparing materials. Three class periods are spent at an elementary school tutoring young children. Valuable work and life skills will be learned through participation in this program. Students build self-esteem, self-confidence, improve their literacy skills, build important relationships and make strong connections with each other in this success-oriented class.

### **5770 SPORTS MEDICINE**

(Semester) Junior, Senior

**Prerequisite:** None

This course is designed to provide related instruction and field training for students preparing for careers in sports medicine, including physical therapy and careers in the health and fitness industry. Classroom instruction will include basic human anatomy, nutrition, injury prevention and training with certification in CPR and First Aid.

NOTE: An after-school component requires all students to participate in lab experiences involving athletic training and observation of 10 hours.

### **5772 MEDICAL/THERAPEUTIC PRINCIPLES OF SPORT FITNESS A**

### **5773 MEDICAL/THERAPEUTIC PRINCIPLES OF SPORT FITNESS B**

(Semester) Junior, Senior

**Prerequisite:** None

#### **UC Approved**

This course covers human anatomy and physiology by examining how the many systems of the body interact with each other through physical activity, including sports. The prevention, evaluation and treatment of illness, disease and injury are addressed. Additional topics include conditions, which affect homeostasis, function and dysfunction of internal organs and the role of the nervous system in injury and recovery. This course prepares a student who is interested in a Health Science related career in which advanced training and a college degree is necessary. The course also focuses on lab methods, critical thinking, and communications skills needed to advance in these fields in a college or university.

NOTE: An after-school component requires all students to participate in lab experiences involving athletic training and observation of 50 hours.

### **5808 BUSINESS MANAGEMENT**

(Semester) Junior, Senior

**Prerequisite:** None

Introduces students to the buying and selling of goods, services, and ideas in the electronic commerce environment. Utilizing marketing foundations and functions, students will learn that marketing is a process that includes selling, advertising, market research, product decision-making and distribution. Technology will be used to teach students how to inform others about themselves,

---

and their products/services, attract and retain customers, handle transactions, provide pricing and product information, and process and deliver products.

**REGIONAL OCCUPATIONAL PROGRAM (ROP)  
CLASSES - PERIODS SEVEN AND EIGHT**

**5104 ADV ROBOTICS/ ENGINEERING A**

**5105 ADV ROBOTICS/ ENGINEERING B**

(Year) Sophomore, Junior, Senior

**Class Hours: One evening a week, 5-8 p.m. plus additional classes TBA to build a Robot for competition**

**UC Approved**

**Prerequisite:** Completion of Introduction to Robotics with a "C" or better; concurrent enrollment in Robotics Laboratory is required.

This course will introduce students to advanced topics in robotics and artificial intelligence. This course is designed for students that wish to pursue majors and careers such as robotics, engineering, computer science, design and business. There is a research component to this course.

**5708 CULINARY ARTS**

(Semester) Junior, Senior

**Class Hours: Tuesday & Thursday, 3:00-5:30 p.m.**

**Prerequisites:** None

Students will learn different aspects of culinary arts such as cooking, various types of cuisines, menu design, garnishing, food and table presentation, maintaining and handling knives, kitchen safety and other skills.

**5802 RETAIL MARKETING**

(Semester) Junior, Senior

**Class Hours: Tuesday & Thursday, 3-5:30 p.m.**

**Prerequisite:** None

This course is designed to provide students with the necessary skills for entry-level employment in merchandising and retail sales occupations. Students will acquire knowledge of basic sales techniques, cash register training, sales promotions, stock keeping and inventory control, and hands-on experience in the retail merchandising setting.

**5806 LAW ENFORCEMENT**

(Semester) Sophomore, Junior, Senior

**Class Hours: Saturday, 7:30 a.m.-3:30 p.m.**

**Prerequisite:** None

Hands-on training includes first aid, CPR training, physical conditioning, report writing, and knowledge of law enforcement. No hands-on weapons training. Includes basic procedures for police explorers who are preparing for a career in law enforcement.

**5810 WORK EXPERIENCE**

(Semester) Sixteen years or older

**Prerequisite:** Must have a job

Food, Retail or Office Occupations - Gives special attention to students who are currently working. Knowledge of customer relations, career advancement, safe work habits, tax preparation and terminology used in the industry will be covered.

**5812 FASHION MERCHANDISING**

(Semester) Junior, Senior

**Class Hours: Tuesday and Thursday 3:00-5:30 p.m.**

**Prerequisite:** None

This course trains students in the fundamentals of fashion merchandising and retailing. Students will learn the history of costume, fashion services and resources, principles of design, visual merchandising and display, and textiles and store operations. This course combines classroom instruction with a non-paid internship.

**SCIENCE DEPARTMENT**

**DEPARTMENT CHAIR: Mrs. Karen Rapacon, kbrapacon@ausd.net**

<b>Courses</b>	<b>Grade Levels</b>	<b>UC Approved Lab Science</b>	<b>Prerequisites*</b>
Biophysical Science 1	9-12	No	None
Biophysical Science 2	9-12	No	None
Biology	9-12	Yes	Enrolled in Algebra 1 OR Algebra G series OR a more advanced math course
Biotechnology	10-12	Yes	Completion of Biology AND Algebra 1
AP Biology	10-12	Yes	Completion of Biology with "A" both semesters OR "A"/"B" combination with Biology teacher recommendation.
Chemistry	9-12	Yes	Completion of Algebra 1 with "C", Algebra 1 with "B": is recommended
Chemistry Honors	10-12	Yes	Completion of Geometry Honors with "B" OR Geometry with "A"
AP Chemistry	10-12	Yes	Completion of Chemistry with "A" OR Chemistry Honors OR Physics Honors, OR AP Physics (with "B")
AP Environmental Science	11-12	Yes	Completion of Biology AND Chemistry or Physics with "B"
Human Physiology	10-12	Yes	Completion of Biology with "C" AND either Chemistry or Physics with "C"
Physics	10-12	Yes	Completion of Geometry with "B" OR higher math with "C"
AP Physics B	10-12	Yes	Completion of Algebra 2 with "A" OR higher math with "B"
AP Physics C	11-12	Yes	Completion of Math Analysis "B" with a "B" OR completion of one semester of the Calculus A, B ,C, D series at AHS with "B"
<b>Science Courses for English Learners</b>			
SDAIE Biology	9-12	Yes	Enrolled in Algebra 1 OR Algebra G series OR a more advanced math course AND ELD 3
SDAIE Biophysical Science	9-12	No	None
SDAIE Chemistry	9-12	Yes	Completion of Algebra 1 with "C" AND ELD 3
Sheltered Science	9-12	No	None

**\*See the course descriptions for more detail; unless otherwise noted, prerequisites involving grades are for both semesters. Passing of Placement Testing may also be required if using a summer school science class to fulfill prerequisite.**

**OVERVIEW**

The Science Department offers a wide variety and level of courses in the areas of life and physical science. Although only two years of science are required for high school graduation (see below), many colleges recommend 3 or more years of laboratory science. The science courses are designed to challenge the students at various levels and to engage the students in the scientific process such as making accurate and precise observations, developing hypotheses, designing experiments, gathering and analyzing data, and determining the implications of the results. With the exception of Biophysical Science, SDAIE Biophysical Science, and Environmental Cross-Age, all science courses fulfill the UC Lab Science Requirement.

Although the Science Department does not suggest a specific course sequence for students, students are encouraged to explore all the basic laboratory science courses (Biology, Chemistry, and Physics) before specializing in specific Advanced Placement courses.

Students are encouraged to discuss their needs and interests with parents and counselors in order to select the most appropriate course after carefully reviewing the course descriptions and prerequisites.

**AHS GRADUATION REQUIREMENT**

Students are required to take 2 years of Science (20 credits) that include both life and physical science and one of the courses must be a lab science.

---

## **SUMMER SCHOOL**

Biology, Chemistry, and Physics classes may be taken over the summer in order to fulfill graduation requirement, to accelerate, or to meet a prerequisite for another science class. Due to the compressed nature of summer school science classes (1 year's worth of materials condensed into 7 weeks), students may be required to pass a placement test, in addition to the listed prerequisites, in order to enroll in Advanced Placement classes. The placement test will be given at the end of summer school and will take place on AHS campus. Specific information such as dates, times, location, and format will be given in class at the beginning of summer school. Students who choose to take summer school science class outside of AHS must do so at an accredited institution such as PCC and are subject to the same requirement. Department approval is required to take classes at another accredited institution.

## **FAQ's**

**Q: What is the difference between a regular class, an Honors class, and an AP class?**

**A:** Honor classes are accelerated high school level courses and cover the same topics as regular classes, but in greater depth, often involving more mathematics and/or independent study. Advanced Placement courses are college level courses covering more challenging topics and the classes move at a much faster pace. Students are expected to spend extra time beyond the regular class period for independent study and to complete labs. Due to time constraint, some AP classes may start early and students are expected to take the AP Exam in May.

**Q: Can I take more than one science class in the same year?**

**A:** No, students are encouraged to take only one science course per year.

**Q: Is it possible to take all the AP science classes offered?**

**A:** No. The Science Department currently offers five AP science classes but since students are restricted to one science class per year and many AP classes have prerequisites, it will be impossible to take all of them.

## **SCIENCE CLASSES**

### **1604 BIOPHYSICAL SCIENCE 1A**

### **1605 BIOPHYSICAL SCIENCE 1B**

(Year) Freshman, Sophomore, Junior, Senior

**Pending UC approval for academic elective ("G");**

**Not UC Lab approved**

This course teaches chemical science for one year including structure of matter, chemical reactions, and the periodic table. Students will explore science through asking meaningful questions, conducting investigations and participating in experimentation. Successful completion of this course will satisfy graduation requirements for Physical Science. One year of Life Science is also required for high school graduation. Students whose transcript shows credit for Chemistry,

Chemistry Honors, or AP Chemistry shall not be eligible for enrollment in Biophysical Science 1.

### **1608 BIOPHYSICAL SCIENCE 2A**

### **1609 BIOPHYSICAL SCIENCE 2B**

(Year) Freshman, Sophomore, Junior, Senior

**UC approved only for academic elective ("G");**

**Not UC Lab approved**

This course teaches Life Science which investigates cell biology, genetics, evolution, structure and function of living systems and ecology. Students will explore science through asking meaningful questions, conducting investigations and participating in experimentation. Successful completion of this course will satisfy the graduation requirement for Life Science. One year of Physical Science is also required for high school graduation.

Students whose transcript shows credit for Biology shall not be eligible for enrollment in Biophysical 2.

### **1650 BIOLOGY A**

### **1651 BIOLOGY B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *Enrolled in Algebra 1 or Algebra G series or a more advanced math course.*

Biology is designed for students wishing to fulfill both the laboratory science requirement for colleges and high school graduation requirement. The course will cover topics such as DNA, evolution, photosynthesis, cellular respiration, energy and reproduction. The student is expected to develop scientific thinking, a reasoned approach to problem solving and an understanding of the role biology plays in daily lives.

### **1670 AP BIOLOGY (AP) A**

### **1671 AP BIOLOGY (AP) B**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *Completion of Biology with "A" in both semesters OR "A"/"B" combination; Completion of Chemistry highly recommended.*

AP Biology is designed to be equivalent to a first year college level general biology course. Students will study materials presented in a rigorous, biochemical oriented introductory college biology course. Required laboratory experiments are part of the course which will require time beyond the normal school hours. The course stresses basic biological and chemical, problem solving in much more detail than a general high school course. Students are expected to be independent learners and to devote extensive studying beyond the basic concepts. Details of molecules, Chemistry, cells, genetics, evolution, organisms and populations are included in this course. Students will be expected to take the Advanced Placement Biology exam in May.

---

**1700 CHEMISTRY A****1701 CHEMISTRY B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Completion of Algebra 1 with "C" or higher in both semesters ("B" or higher is recommended)

Chemistry is designed for students wishing to fulfill both the laboratory science requirement for colleges and high school graduation requirement. The courses will cover topics such as atomic structure, nomenclature, bond formation, chemical reactions, gases, reaction rates, thermodynamics and stoichiometric calculations. Students are expected to have a firm foundation in basic algebraic and problem solving skills.

**1720 CHEMISTRY HONORS (H) A****1721 CHEMISTRY HONORS (H) B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Completion of Geometry Honors with "B" or higher (both semesters) OR completion of Geometry with "A" (both semesters)

Honors Chemistry is designed for students wishing to pursue a faster and more in-depth study of topics covered in Chemistry. It is ideal for students who plan to take AP science courses, including AP Chemistry. Students are expected to have a strong background in analytical problem solving and critical thinking skills.

**1724 CHEMISTRY (AP) A****1725 CHEMISTRY (AP) B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Completion of Chemistry (with an "A" both semesters), Chemistry Honors ("B" or higher both semesters), Physics Honors ("B" or higher both semesters), OR AP Physics ("B" or higher both semesters).

AP Chemistry is designed to be equivalent to a first year college level general chemistry course and as such, it will provide an excellent background for students who wish to pursue science majors in college. Students planning to take AP Chemistry need to have a strong background in science and mathematics. Topics covered include structure and states of matter, reactions and descriptive chemistry with a strong emphasis on problem solving and experimentation. Due to the complex and lengthy labs performed in the course, students should be prepared to spend extra class time beyond the regular class period. Students will be expected to take the Advanced Placement Chemistry Exam in May.

**1750 PHYSICS A****1751 PHYSICS B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Completion of both semesters of Geometry with a "B" or higher in each semester OR completion of both semesters of a more advanced math course at AHS

with a "C" or higher in each semester.

Students investigate the following topics: energy, forces, motion and matter at a college preparatory level of analysis. Laboratory activities are designed to lead to discovery and appreciation of concepts in these areas. It is assumed that the student is very familiar with Algebra 1.

**1774 PHYSICS B (AP) A****1775 PHYSICS B (AP) B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* Completion of both semesters Algebra 2 with an "A" in each semester OR completion of both semesters of a more advanced math course at AHS with a "B" or higher in each semester.

The AP Physics B course provides a systematic introduction to the main topics of physics and strongly emphasizes the development of problem-solving ability. It is assumed that the student is very familiar with Algebra 2 and Trigonometry. In most colleges, this is a one-year course and is not the usual preparation for more advanced physics and engineering courses. Students will be expected to take the Advanced Placement Physics examination in May.

**1776 PHYSICS C (AP) A****1777 PHYSICS C (AP) B**

(Year) Junior, Senior

**UC Approved**

*Prerequisite:* Completion of both semesters of Math Analysis 2 with a "B" or higher each semester OR completion of one semester of the Calculus A, B, C, D series at AHS with a "B" or higher

This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used whenever appropriate in formulating physical principles and in applying them to physical problems. The sequence is more intensive and analytic than that in the B course. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter is principally mechanics, electricity, and magnetism. One semester is devoted to mechanics. Use of calculus in problem solving and in derivations is expected to increase as the course progresses. In the second semester, the primary emphasis is on classical electricity and magnetism. Calculus is used freely in formulating principles and in solving problems. Students will be expected to take the Advanced Placement Physics Exam in May.

**1800 HUMAN PHYSIOLOGY A****1801 HUMAN PHYSIOLOGY B**

(Year) Sophomore, Junior, Senior

**UC Approved***Prerequisite:* Completion of Biology (with at least a "C" in each semester) AND either Physics or

---

*Chemistry (with a "C" or higher in each semester).*

Human Physiology is an elective science course for students interested in further study of science as it relates to humans. This is a challenging course, which emphasizes the physiology of human structure. The course will cover cell, sensory, muscle, circulatory, respiratory, and renal physiology. Included in the course will be objective tests, group laboratory experiments, research presentations and written assignments. Evaluation of student performance will be based on assessment using tests, lab experiments, and written and oral assignments. The course concludes with a fetal pig dissection.

**1810 BIOTECHNOLOGY A (ROP)**

**1811 BIOTECHNOLOGY B (ROP)**

*(Year) Sophomore, Junior, Senior*

**UC approved**

**Prerequisites:** *Completion of Biology and Algebra 1*

In a broad sense Biotechnology is the study and manipulation of biological processes, organisms, or systems to manufacture products intended to improve the quality of human life. This course is designed for students wishing to explore the cutting edge field of biotechnology and learn laboratory techniques used in this field. This course will fulfill both the laboratory science requirement for colleges and high school graduation requirement. The Biotechnology course will instruct students in laboratory concepts, techniques and methods using critical thinking, communications, technical reading, and writing skill required in the fields of genetics, microbiology and biotechnology. Students will learn the basic standard laboratory operating procedures including record-keeping and safe and proper use of equipment. Students will have hands-on laboratory experience on the use of sterile technique, cell culture, DNA and protein isolation, and electrophoresis. Students will develop skills on the use of spectrophotometry, recombinant DNA technology and bacterial transformation. Opportunities for post-secondary education and employment will be explored allowing students to gain a broad awareness of both scientific and technological career paths.

**1820 ENVIRONMENTAL SCIENCE (AP) A**

**UC Approved**

*(Year) Junior, Senior*

**Prerequisite:** *Completion of 1 year of Biology AND 1 year of either Chemistry or Physics (with at least a "B" in each course)*

AP Environmental Science is an elective intended for students interested in using scientific principles to understand the human impact on the environment. Students investigate the following topics: human population dynamics, environmental quality, renewable-nonrenewable resources, global changes, their consequences, environment, society, interdependence of Earth's systems, and the choices for the future. Students will be expected to take the Advanced Placement Environmental Science Exam in May. \*

**\*Note:** *Students earning below a "C" at the end of the first semester may be advised to drop the class.*

**SCIENCE COURSES (For English Learners)**

**1550 SCIENCE (Sheltered) A**

**1551 SCIENCE (Sheltered) B**

*(Year) Open to all grades*

For the Limited-English Proficient student in ELD level 1, this course meets the Science requirement for graduation from high school. The curriculum consists of an overview of Life, Physical, and Earth Sciences. Topics covered will include ecology, rocks and minerals, planets and stars, matter, sound, and light. This course is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**1606/1607 BIOPHYSICAL SCIENCE 1 A/B (SDAIE)**

**1610/1611 BIOPHYSICAL SCIENCE 2A/B (SDAIE)**

*(Year) Freshman, Sophomore, Junior, Senior*

**UC approved for academic elective ("G")**

**Not UC Lab approved**

**(Formerly semester long courses)**

These courses, which honor the curriculum in Biophysical Sciences 1604/1605 & 1608/1609), are designed for Limited-English Proficient students in the beginning ELD level, delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**1652 BIOLOGY (SDAIE) A**

**1653 BIOLOGY (SDAIE) B**

*(Year) Freshman, Sophomore, Junior, Senior*

**UC Approved.**

**Prerequisite:** *Enrolled in Algebra G series or Algebra 1 or a more advanced math course. ELD 3 or SDAIE.*

SDAIE Biology, which honors the curriculum in Biology, is designed for Limited-English Proficient students in the advanced ELD levels. Instruction is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**1702 CHEMISTRY (SDAIE) A**

**1703 CHEMISTRY (SDAIE) B**

*(Year) Freshman, Sophomore, Junior, Senior*

**UC Approved**

**Prerequisite:** *Completion of Algebra 1 with "C" or higher in both semesters ("B" or higher recommended). ELD 3 or SDAIE.*

SDAIE Chemistry, which honors the curriculum in Chemistry, is designed for Limited-English Proficient students in the advanced ELD levels. Instruction is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

---

## SOCIAL SCIENCE DEPARTMENT

DEPARTMENT CHAIR: Mr. Mike Pasqua, mpasqua@ausd.net

Students are required to take 3 years of course work in the social studies department: Modern World History (freshman year), United States History (junior year) and one semester each of Government and Economics (senior year). The department offers honors and Advanced Placement courses in several content areas as well as a wide array of electives. Prerequisites for honors and AP classes are explained under specific course headings.

### 2600 MODERN WORLD HISTORY A

### 2601 MODERN WORLD HISTORY B

(Year) Freshman

#### UC Approved

Students study major turning points that shaped the modern world, from the late 18<sup>th</sup> century through the present. Students trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues. Students will develop an understanding of current world issues and relate them to historical, geographic, political, economic, and cultural contexts. Assignments focus on historical methods and critical thinking skills by analyzing a variety of primary resource documents, visuals, artifacts, and maps.

### 2610 DEVELOPMENT OF WESTERN CIVILIZATION

(Semester) Sophomore, Junior, Senior

#### UC Approved

A study of human development from prehistoric times; including Egypt, Middle East, Greece and Rome. Focus will be on the contributions of the many different peoples to Western Society."

### 2650 UNITED STATES HISTORY A

### 2651 UNITED STATES HISTORY B

(Year) Junior, Senior

#### UC Approved

This course traces the development of the United States from the Spanish American War to the present. Students will review the significant factors responsible for the emergence of the United States as a major world leader.

### 2700 AMERICAN GOVERNMENT

(Semester) Senior

#### UC Approved

This course is a survey of the government with an emphasis on the National level, but including elements of State and local government as well. Students study the U.S. Constitution and examine American political, social, economic and legal systems. The economic and political systems of the major countries of the world are compared and contrasted with those of the US.

### 2710 ECONOMICS

(Semester) Senior

#### UC Approved

Students study fundamental economic concepts such as

scarcity, opportunity costs and trade-offs, productivity, economic systems, economic institutions and incentives.

The course will also include such microeconomics concepts as market and prices, supply and demand, competition and market structure, income distribution and the role of government. Macroeconomics concepts include international trade, unemployment, inflation and deflation, and fiscal and monetary policy

### 2750 PSYCHOLOGY A

(Semester) Junior, Senior

#### UC Approved

Psychology A introduces students to the scientific study of human behavior. The brain, genes and the environment will be investigated. Early childhood growth and development as well as other stages of life are explored. Students will learn about motivation, learning, perception, memory, personality, intelligence and understanding one's own behavior.

### 2751 PSYCHOLOGY B

(Semester) Junior, Senior

#### UC Approved

*Prerequisite:* Earn a "C" or higher in Psychology A or approval from instructor

Psychology B is an "advanced" study of human behavior. Research, mental states, social-cultural, the life span, and treatment and therapy are areas to be covered. The class will also investigate behavioral disorders, counseling and careers in Psychology.

### 2752 ARCHAEOLOGY

(Semester) Freshmen, Sophomore, Junior, Senior

#### UC Approved

Archaeology, which falls under the Anthropology umbrella, is the social science of reconstructing past cultures and lifeways. After a survey of cultural anthropology, where students learn about race, gender, religion, etc, and the impact it has on a culture over time students begin their study of archaeology. Archaeology students will reconstruct past cultures and lifeways using various excavation techniques, they will not only learn about specific cultures but they will delve into the principles of cultural change, cultural processes and cultural behavior, which are present today. Archaeology will focus on methodology as well as the practical application of excavation as students embark on a three week archaeological excavation.

---

**2754 ASIAN STUDIES (Formerly Asian History)**

(Semester) Sophomore, Junior, Senior

**UC Approved**

Asian Studies is a comprehensive class that studies the history and culture of China, Japan, India, Korea and other Asian countries. Students will examine the impact of culture on communications, values, social structure, politics, and economics. Designed to create an awareness of Asian history and culture, instruction takes an interdisciplinary approach using literature, art, music, dance, and the many facets of these rich and diverse cultures to create an understanding and appreciation that goes beyond the stereotypes.

**ADVANCED PLACEMENT/HONORS SOCIAL SCIENCE COURSES**

Course Title	GPA	Social Science Prerequisites (All Honors /AP courses require an application)	Additional Prerequisites
Development of Civilization (H)	3.25	"B" in BOTH semesters of Modern World History	"B" in BOTH semesters of Freshman English
U.S. History (H)	3.00	None	"B" in ALL Honors or College prep English
U.S. History (AP)	3.25	"B" in Development of Civilization (H)	"B" in 1 <sup>st</sup> semester Honors English OR "A": in 1 <sup>st</sup> semester college prep English
U.S. Government & Politics (AP)	3.25	"B" in 1 <sup>st</sup> semester U.S. History (H) or U.S. History (AP)	"B" in 1 <sup>st</sup> semester junior English (AP) OR "A" in 1 <sup>st</sup> semester college prep English
Comparative Government & Politics (AP)	3.25	"B" in 1 <sup>st</sup> semester U.S. History (H) or U.S. History (AP)	"B" in 1 <sup>st</sup> semester junior English (AP) OR "A" in 1 <sup>st</sup> semester college prep English

**2620 DEVELOPMENT of WESTERN CIVILIZATION (H)**

(Semester) Sophomore

**UC Approved**, but not for honors credit. The course remains an honors course for departmental purposes.

**Prerequisite:** *Completion of a written application, "B" or better in both semesters of Modern World History, "B" or better in both semesters of Freshman English; and overall GPA of 3.25.*

This course attempts to trace the roots of western civilization via the Greeks. Students will examine the development of Democratic self government in Athens in historical context. Primary source readings in history along with works in philosophy and literature will challenge students to read critically and analytically. Good reading and writing skills are necessary for success in this class.

**2670 UNITED STATES HISTORY (H) A****2671 UNITED STATES HISTORY (H) B**

(Year) Junior

**UC Approved**

**Prerequisite:** *Completion of written application; "B" or better in all previous Honors or College Prep English classes; cumulative GPA of 3.0.*

This course is designed to increase student understanding of the American people through the study of social, historical, and cultural events. The course includes a short

review of US History up to 1890 followed by a focus on turn of the century to the present day.

**2674 UNITED STATES HISTORY (AP) A****2675 UNITED STATES HISTORY (AP) B**

(Year) Junior

**UC Approved**

**Prerequisite:** *Completion of a written application, a "B" in Development of Civilization (H) or International Studies Honors; a "B" in 1<sup>st</sup> semester Sophomore English Honors or "A" in 1<sup>st</sup> semester college prep sophomore English; cumulative GPA of 3.25. Students not meeting any of the prerequisites may take an entrance test offered in the Spring.*

AP US History engages students in a detailed study of American history from our earliest origins to the present day. Emphasis is placed on understanding themes, cause/effect relationships and broad examinations of social, political, cultural and economic issues that have shaped our nation. AP US History is an advanced college level course, which emphasizes research, writing, and discussion. Students will be expected to keep up with a rigorous reading schedule that averages 50+ pages per week. Students, who complete this course and perform successfully on the Advanced Placement Exam in May, may earn college credit from a participating college or university.

---

**2720 GOVERNMENT/POLITICS U.S. (AP)**

(Semester) Senior

**UC Approved**

*Prerequisite: completion of written application; minimum of "B" in 1<sup>st</sup> semester AP or Honors US History; minimum of "B" in 1<sup>st</sup> semester Junior AP English or "A" in 1<sup>st</sup> semester college prep Junior English. Overall GPA of 3.25. Students who do not meet the prerequisites may take an entrance exam administered in the Spring.*

This is an accelerated college level course focusing on the United States Government. Students will undergo a thorough examination of The Constitution, fundamental rights, political system and major governmental institutions. Students will engage in critical analysis of contemporary political events and will be encouraged to begin to develop their own involvement in both social and political institutions. The course prepares students for the May Advanced Placement American Government Exam.

**2722 GOVERNMENT/POLITICS COMPARATIVE (AP)**

(Semester) Senior

**UC Approved**

*Prerequisite: completion of written application; minimum of "B" in 1<sup>st</sup> semester AP or Honors US History; minimum of "B" in 1<sup>st</sup> semester Junior AP English or "A" in 1<sup>st</sup> semester college prep English; overall GPA of 3.25. Students who do not meet the prerequisites may take an entrance exam offered in the Spring.*

This course will encompass a comparative study of the governments of six nations, Great Britain, China, Russia, Iran, Mexico or Nigeria. The course will include the study of the United States Constitution and system of government. A comparative study requires an understanding of five major areas of the select nations: sources of public authority and political power; the relationship of the citizen to the state; political institutions and framework; the relationship between social and economic classes and the state; and the sources, scope, and consequences of political change. The course prepares students for the May Advanced Placement Exam.

**SOCIAL SCIENCE COURSES (For English Learners)****2500 SOCIAL SCIENCE (Sheltered) A****2501 SOCIAL SCIENCE (Sheltered) B**

(Year) Open to all grades

For the Limited-English Proficient student in ELD levels 1 and 2, this course meets the Social Science requirement for graduation from high school. The curriculum consists of geography and map-skills, library and research-skills, and current events. In addition, the following four themes are covered in numerous activities: environmental issues, social issues, politics and governments, and economics. This course is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**2062 MODERN WORLD HISTORY (SDAIE) A****2063 MODERN WORLD HISTORY (SDAIE) B**

(Year) Freshman

**UC Approved**

The essential theme of this course is "multi-cultural awareness within a historical perspective." Through historical and literary selections, the student examines the rise of democracies, the Industrial Revolution, the rise of imperialism and colonialism, the two World Wars, the rise of totalitarian systems and nationalism. This course is intended for the advanced ELD level student, and it is taught in English using special methodologies and strategies to ensure comprehension of the curriculum.

**2652 UNITED STATES HISTORY (SDAIE) A****2653 UNITED STATES HISTORY (SDAIE) B**

(Year) Junior

**UC Approved**

This course examines the history of the United States since the Spanish-American War. It reviews the significant factors responsible for the emergence of the United States as a major world-leader. This course is intended for Limited-English Proficient students in the advanced ELD level, and it is delivered in English using a special methodologies and strategies to ensure comprehension of the curriculum.

**2701 AMERICAN GOVERNMENT (SDAIE)**

(Semester) Senior

**UC Approved**

This course surveys the federal system at the national, state and local levels. It examines the U.S. Constitution with an emphasis on the rights and responsibilities of the citizens. Students examine American political, social, economic, and legal systems. Students then compare and contrast these systems with foreign systems. This course is intended for Limited-English Proficient students in the advanced ELD level, and it is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**2711 ECONOMICS (SDAIE)**

(Semester) Senior

**UC Approved**

This course examines the fundamental economic concepts such as scarcity, opportunity costs and trade-offs, productivity, economic systems, economic institutions and incentives. The course will also include such microeconomics concepts as market and prices, supply and demand, competition and market structure, income distribution and the role of government. Macroeconomics concepts include international trade, unemployment, inflation and deflation, and fiscal and monetary policy. This course is intended for Limited-English Proficient students in the advanced ELD level, and it is delivered in English using special methodologies and strategies to ensure comprehension of the curriculum.

**VISUAL ARTS DEPARTMENTS**

**DEPARTMENT CHAIR: Mrs. Georgette Tuttle, gtuttle@ausd.net**

GRADES 9-12	GRADES 10-12	GRADES 11-12
Art 1*  Design*	Adv. Drawing & Painting* (Prerequisite: Art 1)  Adv. 3D Studio Art* (Prerequisite: Art 1 or Design)	Art Honors*  Prerequisite: Advanced Drawing & Painting OR, Advanced 3D Studio Art
	Animation**	
	Art and Music (one semester)	
Ceramics 1*	Ceramics 2 * (Prerequisite: Ceramics 1)  Adv. 3D Studio Art* (Prerequisite: Art 1 or Ceramics 1)	
Introduction to Classic Film (Semester)	Classic Film 2* (Prerequisite: Introduction to Classic Film)	
	Digital Photography**	
	Graphic Design**	
	Photo Journalism* (Please see course description)  Photography (Please see course description)	
Screen Printing & Design*		
		AP Art History*

\*VPA = Fulfills Visual & Performing Arts admission for Cal State/UC

\*\*ROP – Regional Occupational Program (must be 16 years old or a Junior or Senior)

**4000 ART 1A**

**4001 ART 1B**

**LAB FEE:** \$20.00/semester

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** None

This course provides instruction in two and three-dimensional art forms. Students will be given the opportunity to develop their skills in drawing, painting and perspective through practice and exposure to various artists and cultures. Design will be investigated through problem solving activities such as printmaking, sculpture and paper mache. This course is designed to accommodate beginning art students and promises to be challenging to the most experienced. It prepares students for advanced classes.

**4100 INTRODUCTION TO CLASSIC FILM**

(Semester) Freshman, Sophomore, Junior, Senior

**Prerequisite:** None

In this course students will view some of the great landmark films of the 20th century in the genres of silents, early gangster, comedy, film noir, musical and the western. Emphasis is placed on analyzing plot, camera techniques, editing, use of light and shadow, composition, etc. This class will look at the directorial work of Capra, Hitchcock, Wilder and Orson Wells among others, and the acting techniques of Cagney, Bogart, Tracy & Hepburn, Stewart and Stanwick. Student analysis, writing and critical thinking will enhance this exciting visual experience.

**4102 CLASSIC FILM 2A**

**4103 CLASSIC FILM 2B**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** Introduction To Classic Film

This year course is a follow-up of information and analyzes skills learned in Classic Film 1 and for those students who

---

wish to continue their study of film history. Looking at the additional genres of early horror, cinema combat, disaster films, screen teams, and some foreign films. The works of Chaplin, Astaire & Rogers, The Marx Bros., Brando, Pacino, and Karloff, as well as work by directors Woody Allen, Spielberg, Francis Coppolla, and Scorsese will be analyzed. Students will be using the small text [Get The Picture?](#) to add to this feast for the mind and eye!

**4010 ADVANCED DRAWING & PAINTING A**

**4011 ADVANCED DRAWING & PAINTING B**

**LAB FEE:** \$25.00/semester

*(Year) Sophomore, Junior, Senior*

**UC Approved**

**Prerequisite:** *Art 1 with a grade of "B" or better, and/or teacher approval.*

Drawing and Painting techniques will be explored with an emphasis to achieve the illusion of three-dimensional form on a two-dimensional surface. This course will emphasize composition, technique, and creativity. Students will work with a variety of media including, but not limited to, pencil, ink, charcoal, pastel, colored pencil, watercolor, and acrylic. Historical and contemporary artists will be studied. This course prepares students for Art Honors.

**4020 ART HONORS A**

**4021 ART HONORS B**

**LAB FEE:** \$25.00/semester

*(Year) Junior, Senior*

**UC Approved**

**Prerequisite:** *Advanced Drawing and Painting with a "B" or better OR Advanced 3D Studio Art with a "B" or better and/or teacher approval.*

The focus of this course is portfolio development for college or job entry. Thirty works of art are required and students will concentrate on their special interests and style. Students will be expected to be familiar with different media and techniques from the advanced level courses. Studies of contemporary artists will be presented and discussed. A visit to an art museum is also required once each semester. Success in Art Honors depends largely on individual creativity, productivity, organization, and commitment. Art Honors may be repeated to continue building a personal art portfolio.

**4024 ADVANCED 3D STUDIO ART A**

**4025 ADVANCED 3D STUDIO ART B**

**LAB FEE:** \$25.00/semester

**UC Approved**

*(Year) Sophomore, Junior, Senior*

**Prerequisite:** *Art 1 with a grade of "B" or better or Ceramics 1 with a grade of "B" or better and/or teacher approval.*

This course presents different modes of artistic expression and allows the student to explore a variety of media in the creation of three-dimensional forms. Technique will be developed for media including, but not limited to, paper,

wood, plaster, wire, found objects, and mosaic. Some drawing is required to explore design solutions and support the execution of 3D work. Historical and contemporary artists will be studied. This course prepares students for Art Honors.

**4034 ART AND MUSIC**

**LAB FEE:** \$20.00/semester

**(Semester) Freshman, Sophomore, Junior, Senior**

**Prerequisite:** *None*

This Beginning level course is designed to introduce students to the Art Elements and Principles including line, shape, value, form, color, space, and texture while discovering Music Appreciation. The instruction in two- and three-dimensional art forms will focus on how music influences the Visual Arts and vice versa by means of different Art Movements and Musical genres. Particular emphasis will be placed on the motion picture music soundtrack genre and its relationship to the visual and performing arts. Students will be given the opportunity to develop their skills and explore the relationships of Art and Music through the various art mediums of drawing, painting, printmaking, and sculpture.

**4150 CERAMICS 1A**

**4151 CERAMICS 1B**

**LAB FEE:** \$25.00/semester

*(Year) Freshmen, Sophomore, Junior, Senior*

**UC Approved**

**Prerequisite:** *None*

Ceramics allows the student to explore the properties of clay and glazes in activities that include clay modeling, slab construction, coil building, carving, extruding clay, firing and glazing bisqueware. Class projects engage the student in the principles of design, working from observation and the imagination. The criteria for each project require the use of problem solving strategies that promote creative modes of thinking. Class activities address a basic application of art fundamentals. Students will examine the origins of pottery and study contemporary ceramists whose works have deviated from traditional forms in clay.

**4152 CERAMICS 2A**

**4153 CERAMICS 2B**

**LAB FEE:** \$25.00/semester

**UC Approved** *(Year) Junior, Senior*

**Prerequisite:** *Ceramics with a grade of "B" or better or Advanced 3D Studio Art with a grade of "B" or better.*

Ceramics 2 provides opportunity to develop skills on the potter's wheel and promotes a number of creative approaches to designing clay sculpture. Students will use

basic hand-building techniques to create more refined, complex objects. Both traditional and recently developed glazes are used to finish clay projects. Students will examine and analyze the works of selected ceramists and investigate cultural traditions in ceramics.

---

**4070 SCREEN PRINTING AND DESIGN A****4071 SCREEN PRINTING AND DESIGN B****LAB FEE:** \$25.00/semester**UC Approved**

(Year) Freshman, Sophomore, Junior, Senior

*Prerequisite: None*

This course will introduce students to the medium and history of screen printing and its relationship to the graphic and fine arts. Using traditional as well as digital/computer methods, students will solve creative problems to produce original artwork and designs for printing. Various techniques of screen printing will be explored, encompassing a range of beginning to intermediate processes, materials and methods and advancing from one- to multiple-color printing. Students will apply learned methods and design practices to create a variety of printed projects including posters, stickers, artworks and t-shirts.

**PHOTOGRAPHY A****PHOTOGRAPHY B****LAB FEE:** \$30.00/semester

(Year) Sophomore, Junior, Senior

**UC Approved**

\*Due to construction, this course will not be offered for the next two years. Students may take Digital Photography in place of Photography.

**PHOTO JOURNALISM A****PHOTO JOURNALISM B****LAB FEE:** \$30.00/semester

(Semester) Sophomore, Junior, Senior

*Prerequisite: Photography and Teacher Approval*

\*Due to construction, this course will not be offered for the next two years. Students may take Digital Photography in place of Photography.

**4250 DIGITAL PHOTOGRAPHY A (ROP)****4251 DIGITAL PHOTOGRAPHY B (ROP)****LAB FEE:** a \$30.00 lab fee may apply

(Year) Sophomore, Junior, Senior

**UC Approved***Prerequisite: None*

Digital photography explores the digital photographic process as a method of creative, visual communications. It also investigates art principles and the development of technical skills to communicate effectively. This course will cover the use of and type of hardware and software necessary to do digital imaging. All work is done on computers. Having a digital camera is not required. Class is project oriented and outcome based. This course is especially valuable for students with an interest in advertising, art, science, annuals, journalism and graphic art.

**4120 ART HISTORY (AP) A****4121 ART HISTORY (AP) B**

(Year) Junior, Senior

**UC Approved***Prerequisite: None*

Advanced Placement History of Art is a rigorous fast-paced course taught at the college level. It will be conducted in the manner of a college-level art history survey course. It is recommended that students who take this course have advanced skills in reading, writing and discussion. It is open to all juniors and seniors and satisfies the Visual Performing Art requirement for Cal State and University of California. Students who pass the Advanced Placement exam for this course may earn college credits and/or advanced placement in college art courses. This course traces the development of man's artistic accomplishments from prehistory to the present. Emphasis will be placed on learning to analyze and become articulate about art and architecture in terms of its visual nature, and cultural context. A museum experience is required. Direct questions regarding course content and/or requirements to the instructor.

**2028 ANIMATION (ROP)**

(Year) Sophomore, Junior, Senior

**UC Approved***Prerequisite: None*

Animation class introduces students to various techniques in creating motion through animation. They will have the opportunity to explore stop motion animation through drawing and claymation. They will have the opportunity to learn computer software such as Adobe Photo shop, Flash, Illustrator, Premiere, After Effect, Soundbooth, and 3D program Maya. The class will place creativity and storytelling as a priority. Students will get the opportunity to develop original scene play to develop into animation.

**4050 DESIGN A****4051 DESIGN B****LAB FEE:** \$20.00/semester

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved***Prerequisite: None*

Art Design will introduce the students to the field of commercial art. Students will learn design concepts such as line, shape, form, texture, space, color, typography, and composition (focusing on principles of design). They will also examine the historical styles within the various fields in design. Problem solving skills will be emphasized to communicate visually through projects such as logo design, textile design, architecture, and illustration.

---

**4066 GRAPHIC DESIGN A (ROP)**

**4067 GRAPHIC DESIGN B (ROP)**

(Year) Sophomore, Junior, Senior

**UC Approved**

**Prerequisite:** *None*

Graphic Design is a course that explores historical styles to contemporary trends in the global field of design. With the awareness of design solutions throughout history in various cultures, students will understand the impact of the arts and design in shared human experiences. Students will also learn methods and theory such as elements and principles of design to enhance their problem solving skills, artistic vision, and style in projects such as posters, logos, magazine layouts, and advertisements. Learning the three main industry standard computer software, Adobe Photoshop, Adobe Illustrator and QuarkXpress, will provide students with professional environment and responsibilities as graphic designers.

---

**WORLD LANGUGES DEPARTMENT****DEPARTMENT CHAIR: Mrs. Karen Duberke-Montenegro [kmontenegro@ausd.net](mailto:kmontenegro@ausd.net)**

The primary goal of the World Language Department is to give the student the opportunity to become familiar with a language other than their own. Students learn to use, understand and communicate a language, both spoken and written form. Through the language, the student will learn the cultural heritage of other lands and become acquainted with customs and thoughts of other people. Also, the study of another language enhances one's awareness of the structure of the English language. We also offer courses in Spanish and Chinese that are intended for students who can prove advanced oral proficiency but only basic writing skills. A Student must pass either 10 credits of the same world language or 10 credits of fine arts in order to graduate.

**SPANISH****3100 SPANISH 1 A****3101 SPANISH 1 B**

(Year) Freshman, Sophomore, Junior

**UC Approved****Prerequisite:** None

Spanish 1 introduces students to the basic language and culture of the Spanish-speaking world. Language and culture are acquired through meaningful communicative activities centered on real life situations involving everyday common topics. Students develop linguistic proficiency as they perform relevant tasks in the new language.

**3104 SPANISH 2 A****3105 SPANISH 2 B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved****Prerequisite:** *Spanish 1 with a rising "C" Average.*

Spanish 2 continues the process of developing the speaking, listening, reading and writing introduced in Spanish 1. Students will increase the number of language functions and expand their knowledge of grammar with authentic materials and real-life situations allowing students to function comfortably as they express themselves in the new language.

**3108 SPANISH 3 A****3109 SPANISH 3 B**

(Year) Sophomore, Junior, Senior

**UC Approved****Prerequisite:** *Spanish 2 with a rising "C" Average.*

Spanish 3 supports students as they move from the comfort of memorized phrases to the creation of structures that reflect exactly what they want to communicate in the Spanish language. Selection of literature is introduced to increase vocabulary and enhance cultural perspective. Spanish 3 students will continue to communicate completely in Spanish orally and in writing and will be able to produce paragraphs and essays. The primary focus is for students to become independent users of the language.

**3112 SPANISH 4 A****3113 SPANISH 4 B**

(Year) Junior, Senior

**UC Approved****Prerequisite:** *Spanish 3 with a rising "C" Average.*

This course focuses on the refinement of speaking and listening skills. Much work is devoted to the study of authentic materials. The readings, which include short stories and poems, are used to increase vocabulary and cultural knowledge, and serve as a springboard for oral and written communication.

**3106 SPANISH NATIVE SPEAKERS 2 A****3107 SPANISH NATIVE SPEAKERS 2 B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved****Prerequisite:** *Placement Test*

This course is intended for students who can demonstrate fluency in spoken Spanish and a basic knowledge of written Spanish. This is a comprehensive course covering an introduction to literature, composition, grammar, speech and study skills. Emphasis will be placed on reading short stories and articles, writing grammatically correct compositions, improving vocabulary, and enhancing listening and speaking skills. Class is conducted entirely in Spanish.

**3110 SPANISH NATIVE SPEAKERS 3 A****3111 SPANISH NATIVE SPEAKERS 3 B**

(Year) Sophomore, Junior, Senior

**UC Approved****Prerequisite:** *Spanish Speakers 2 with a rising "C" Average.*

This course is intended for the student who can prove advanced oral proficiency in Spanish but only basic writing skills. It covers oral and written comprehension and production with emphasis on grammatical accuracy. Complex thinking skills are required to analyze a wide variety of short works of advanced literature. By the end of this course students will be adequately prepared to take the AP Spanish Language exam. Students are encouraged to advance to AP Spanish Literature class the following year.

---

**3120 SPANISH LANGUAGE (AP) A****3121 SPANISH LANGUAGE (AP) B**

(Year) Junior, Senior

**UC Approved**

*Prerequisite:* A "B" or higher in Spanish 3 each semester; teacher recommendation

Advanced Placement Spanish Language is the equivalent of a third-year college course in advanced Spanish composition and grammar. The course emphasizes the use of Spanish for active communication. Dedication to speaking, listening, and reading Spanish in and outside the class are necessary for success in the course and on the AP test. The AP Spanish Language Examination administered in May assesses the achievement of students by evaluating their level of performance in the use of the language. Students are required to demonstrate achievement by understanding written and spoken Spanish and by writing and speaking easily in correct and idiomatic Spanish. Some teachers require early start in August.

**3124 SPANISH LITERATURE (AP) A****3125 SPANISH LITERATURE (AP) B**

(Year) Senior, or others with instructor's approval

**UC Approved**

*Prerequisite:* Successful completion of AP Spanish 4 (preferred) or Spanish 3 (on instructor's approval) or Spanish Native Speakers 3 (on instructor's approval)

The goals of AP Spanish Literature are to prepare students to understand lectures in Spanish and to participate in discussions in Spanish on literary topics; to do a close reading of literary texts of all genres in Spanish; and to analyze critically the form and content of literary works, orally and in writing, using appropriate terminology.

The AP Spanish Literature course is intended to be the equivalent of a third-year college Introduction to Hispanic Literature course. It covers authors and works from the literature of Spain and Latin America and centers on the understanding and analysis of literary texts. Students will read works that date from medieval epic poetry to 20<sup>th</sup> century lyric poetry, from 13<sup>th</sup> century didactic prose to modern existentialist stories; from Baroque era drama to the plays of Federico García Lorca. By the end of the course, student language ability can generally be equated to that of college students who have completed the typical fifth or sixth semester Spanish Language course in composition, and grammar.

**FRENCH****3150 FRENCH 1 A****3151 FRENCH 1 B**

(Year) Freshman, Sophomore, Junior,

**UC Approved**

*Prerequisite:* None

French 1 introduces students to French through a communication-based approach. Students will learn the basics of the language as well as culture from throughout the French-speaking world as they accomplish meaningful

tasks involving high-frequency everyday topics needed to communicate in the classroom and the real world. The beauty and influence of the French language and culture reinforce skills in other areas of the curriculum.

**3154 FRENCH 2 A****3155 FRENCH 2 B**

(Year) Sophomore, Junior, Senior

**UC Approved**

*Prerequisite:* French 1 with a rising "C" Average.

The basic skills initiated in French 1 are further developed in French 2, with additional emphasis placed on reading, writing and vocabulary building. The previously learned structure concepts are covered in more detail and depth, while oral comprehension and conversation continue to play a dominant role. Communication and real-life situations presented are based in the French culture.

**3158 FRENCH 3 A****3159 FRENCH 3 B**

(Year) Junior, Senior

**UC Approved**

*Prerequisite:* French 2 with a rising "C" Average.

French 3 emphasizes more advanced language structures than do the previous courses. Reading, writing, speaking, and listening skills are further developed through more specialized work with real life conversational situations and authentic French material and literature. The French-speaking world and its cultures are studied in this communication-based course. Advanced studies of French further prepare students for SAT.

**3170 FRENCH 4 (H) A****3171 FRENCH 4 (H) B**

(Year) Senior

**UC Approved**

*Prerequisite:* French 3 with a rising "C" Average.

Students will increase their understanding and use of French in both written and spoken form in this communication-based Honors course, which expands the study of the French speaking world and its culture. Students will continue to develop, in much greater depth, the language skills studied in previous French courses, with emphasis placed on the speaking of French and the study of authentic literature read in original versions.

**3174 FRENCH LANGUAGE (AP) A****3175 FRENCH LANGUAGE (AP) B**

(Year) Senior

**UC Approved**

*Prerequisite:* French 3 with a rising "C" Average.

Advanced Placement French 4 is designed to further develop oral and written language skills covered in preceding years. It is the equivalent of a third-year college course in French composition and grammar, with emphasis on both formal and conversational situations. The study of French literature and culture is stressed. Students enrolling in Advanced Placement French

---

Language should have attained reasonable proficiency in listening comprehension, speaking, reading and writing. Since they must speak the French language as part of the AP exam, students must be willing to actively speak French and participate in a communicative classroom situation.

## JAPANESE

**Japanese is taught as a second language. New students to the Japanese program must take a placement test before enrolling.**

### 3250 JAPANESE 1 A

### 3251 JAPANESE 1 B

(Year) Freshman, Sophomore, Junior

#### UC Approved

*Prerequisite: Placement test*

This course is designed to help students develop an active communicative proficiency in modern Japanese. Through class activities, the instructor will guide students in usage of the language in authentic situations, establishing a solid foundation of Japanese grammar and vocabulary. Basic reading and writing skills will also be introduced and practiced in authentic situations. Students should expect at least 30 minutes of homework on a daily basis. Japanese culture is introduced throughout the curriculum. Students will learn 17 Kanji characters

### 3254 JAPANESE 2 A

### 3255 JAPANESE 2 B

(Year) Sophomore, Junior, Senior

#### UC Approved

*Prerequisite: Japanese 1 with a rising "C" Average.*

In Japanese 2 students continue to build on the listening, speaking, reading and writing skills introduced in Japanese 1. Students will expand their language skills by increasing vocabulary and functional structures in modern Japanese. A minimum of 30-45 minutes of preparatory work is required daily. By the end of Japanese 2 students will master 121 Kanji characters, including "Kun" and "On" readings of each character.

### 3258 JAPANESE 3 A

### 3259 JAPANESE 3 B

(Year) Junior, Senior

#### UC Approved

*Prerequisite: Japanese 2 with a rising "C" Average.*

Japanese 3 continues with the development of listening, speaking, reading and writing introduced earlier. Students will be required proficiency in different styles of speech and writing. Culture is an important component in this class. A minimum of 30-45 minutes of preparatory work is required daily. By the end of Japanese 3 students will master 220 Kanji characters, including "Kun" and "On" reading of each character.

### 3270 JAPANESE LANGUAGE and CULTURE (AP) A

### 3271 JAPANESE LANGUAGE and CULTURE (AP) B

(Year) Junior, Senior

#### UC Approved

*Prerequisite: A "B" or higher in Japanese 3 each semester is required.*

Advanced Placement Japanese and Culture is built on the National Standards for Japanese Language Learning. Through a holistic approach to language learning students develop more cognitively challenging functional language skills. Students expand the use of honorific expressions and increase understanding of the Japanese linguistic culture as well as aspects of socio-cultural knowledge. Students read and discuss newspaper articles, short stories and write compositions on various topics. Grammar is studied intensively. Mastery of approximately 500 kanji characters is expected by the end of the course. Speaking, reading and writing Japanese in and beyond the classroom is necessary for the success of the students in AP Japanese and Culture. The course is taught entirely in Japanese.

## CHINESE

**Chinese is taught as a second language. New students to the Chinese program must take a placement test before enrolling. Students who demonstrate proficiency beyond an advanced placement level will be asked to select a different World Language. Those students who still want to demonstrate their proficiency level are encouraged to take the SAT II subject tests in order to fulfill their CSU/UC LOTE (Language Other Than English) requirement. All Chinese classes will learn to write in traditional Chinese characters.**

### 3200 CHINESE 1 A

### 3201 CHINESE 1 B

(Year) Freshman, Sophomore, Junior

#### UC Approved

*Prerequisite: Placement test \**

Chinese 1 introduces students to Chinese through a communication-based approach. Students will learn the basics of the language as well as culture by accomplishing meaningful tasks involving high frequency everyday topics needed to communicate in the classroom and in the community. Students will learn to write 200 traditional Chinese characters and be proficient in Hanyu Pinyin.

### 3204 CHINESE 2 A

### 3205 CHINESE 2 B

(Year) Freshman, Sophomore, Junior, Senior

#### UC Approved

*Prerequisite: Chinese 1 with a rising "C" Average. \**

This course expands on vocabulary and focuses mastering basic sentence structures. In Chinese 2, students will develop skills to deal with the immediate environment

---

including school and family in formal and transactional settings.

**3206 CHINESE FOR NATIVE SPEAKERS 2 A**  
**3207 CHINESE FOR NATIVE SPEAKERS 2 B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Interviews will be conducted during programming to ensure proper placement. \**

This course is designed for students who have grown up speaking Chinese or Cantonese as a home language who speak fluently, but do not write characters. The course will focus on developing reading and writing skills as well as maintaining and strengthening the strong oral and listening skills acquired at home. Students will learn about 500 traditional characters. This course will also promote cultural awareness through the reading selections. Successful completion of this course will enable students to enroll into Chinese 3.

**3208 CHINESE 3 A**  
**3209 CHINESE 3 B**

(Year) Freshman, Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: Chinese 2 with a rising "C" Average. \**

Chinese 3 further develops speaking, listening and reading, writing skills developed in the first two years. Through constant practice, students expand their ability from everyday survival language to more advanced interactions.

**3212 CHINESE 4 A**  
**3213 CHINESE 4 B**

(Year), Sophomore, Junior, Senior

**UC Approved**

*Prerequisite: A rising "C" or higher in Chinese 3 each semester. \**

The course continues the language development in all areas of reading, listening, speaking and writing. Oral and written materials will be expanded to expose students to social and practical topics in formal and informal setting. Students will be able to comprehend a non-technical lecture and discuss the information gained from the lecture. The course is conducted mainly in Chinese.

**3224 AP CHINESE LANGUAGE & CULTURE A**  
**3225 AP CHINESE LANGUAGE & CULTURE B**

(Year), Junior, Senior

**UC Approved**

*Prerequisite: Teacher recommendation from previous level, 1 year minimum of enrollment in Chinese program, a grade of "B" or higher each semester. \**

Advance Placement Chinese uses an integrated approach to language learning. Course materials include authentic sources: radio broadcast, newspaper, websites, and literary works. Language and culture are taught

simultaneously through the use of these materials. Students will be required to prepare oral presentations, work on individual and group projects, and research a variety of teacher and student selected topics. Class will be conducted entirely in Chinese and students are expected to communicate entirely in Chinese as well. This class is the equivalent of a second-year second-semester college course in Chinese Language. This course is taught in **traditional character** format.

<b>Class Name</b>	<b>Page #</b>	<b>Class Name</b>	<b>Page #</b>
Academic Mentor	48	Comp Hardware & Netwrk Engineering (ROP)	34,56
Advanced Chorus (Chanteurs)	51	Concert Band 1, 2, 3	49
Advanced Drawing and Painting	68	Concert Choir, Boys/Girls/Treble	50-51
Advanced Journalism Studies	39	Contemporary Journalism	39
Advanced Percussion Ensemble	50	Creative Writing	39
Advanced Robotics and Engineering (ROP)	30,59	Criminal Law (ROP)	31,58
Advanced 3D Studio Art	68	Cross-Age Teaching/Literacy (ROP)	32,58
Advanced Theatre Arts	52	Cross-Age Teaching PE	32
Advanced Treble Choir (New Spirit)	51	Culinary Arts (ROP)	31,59
Advanced Video Production (Apache News)	30,57	Culinary Science	31,58
Algebra 1	45	Dance Prop Production	49,54
Algebra 2 and Algebra 2 Honors	46	Design	69
Algebra G Series	45	Development of Western Civilization	64
American Government	64	Development of Western Civilization, Honors	65
Animation (ROP)	55,69	Digital Photography	55,69
AP Art History	69	Economics	64
AP Biology	61	ELD Program	40-42
AP Calculus AB/BC	46-47	English Courses (SDAIE)	38
AP Chemistry	62	English 9	37
AP Chinese Language & Culture	74	English 9 Honors	37
AP Computer Science	33	English 10	35
AP Government /Politics U. S.	65	English 10 Honors	35
AP Government /Politics Comparative	65	English 11	35
AP English Language & Composition	37	English 12-British Literature	35
AP English Literature & Composition	38	English 12-From Myth to Science Fiction	36
AP Environmental Science	63	English 12-The Search for Human Potential	36
AP French	72	English 12-Shakespeare	36
AP Japanese Language & Culture	73	English 12-Women's Literature	36
AP Music Theory	50	English 12-World Literature	36
AP Physics B/C	62	Fashion Merchandising	59
AP Statistics	47	Fit for Life	53
AP Spanish	72	Food Science (ROP)	31,58
AP Spanish Literature	72	French 1,2,3,4(H)	72
AP US History	65	Geometry	45
Archaeology	64	Geometry Honors	45
Art 1	67	Graphic Design (ROP)	55,70
Art Honors	68	Human Physiology	62
Art & Music	68	Indoor Sports	53
ASB Leadership	48	Intermediate Dance	52,54,55
Asian Studies	65	Intermediate Percussion Ensemble	49
Athletics	53	Intermediate Video Production (ROP)	30,57
Beginning Dance	52,54	Introduction to Algebra 2	46
Beginning Video Production	30	Introduction to Classic Film	67
Biology	61	Introduction to Geometry	45
Biophysical Science 1, 2	61	Introduction to Instruments	49
Biotechnology (ROP)	55,63	Investigative Math	45
Business Management (ROP)	33,58	Japanese 1,2,3	73
Calculus, Calculus C/D (Honors)	46-47	Journalism Newspaper (POW WOW)	39
Ceramics 1, 2	68	Law Enforcement (ROP)	32,59
Chemistry, Honors	62	Leadership Dynamics	31
Chinese 1, 2	73	Library Aide	48
Chinese Native Speakers	74	Life Management	31
Chinese 3, 4	74	Marching Band	49,54
Civil Law (ROP)	31,57	Math Analysis	56
Classic Film 2	67	Med/Therapeutic Principles of Sports/Fitness	32,58
College Knowledge	31	Modern World History	64
Computer Game Programming (ROP)	34,57	Music Appreciation	49
Computer Science	33	Office Aide	48
Computer Programming C ++	33	Office Technology (ROP)	30,57
Computer Program Java (ROP)	33,56	Orchesis	52,54,55
		PE Classes	53

---

<b>Class Name</b>	<b>Page #</b>
Peer Mentoring	32
Pep Squad	54
Physics	62
Pre Calculus Honors, Calculus Honors	46
Psychology	64
Reading 9-10	38
Retail Marketing ( <i>ROP</i> )	32,59
Robotics Engineering	30
ROP Courses – periods 1 through 6	55-58
ROP Courses – periods 7 and 8	59
Science (SDAIE)	63
Screen Printing & Design	69
Social Science SDAIE courses	66
Spanish 1,2,3,4	71
Spanish Native-Speakers 2, 3	71
Speech and Debate	39
Speech Dynamics	39
Stagecraft	52
Sports Medicine ( <i>ROP</i> )	32,58
Statistics	47
Symphony Orchestra 1,2,3	50
Teacher Aide	48
Theatre Arts 1, 2	51
United States History	64
United States History Honors	65
Web Page Design	33,57
Weight Training	53
Work Experience	59

