

# GRANITE BAY HIGH SCHOOL

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[www.granitebayhigh.org](http://www.granitebayhigh.org)

## Four-Year Planning Guide 2011 - 2012

## **Mission**

**Granite Bay High School is committed to excellence. All students will be challenged, motivated and supported as they acquire, practice, and apply knowledge, skills and behaviors essential for independent and collaborative success in the future. Through a partnership of staff, parents, and community, all students will learn in a safe environment that builds character, nurtures creativity, and develops their individual, community and global sense of responsibility.**

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

- 1. Effective Communicator**
  - a. Interprets, organizes, synthesizes, and communicates information in a variety of ways: orally, visually (e.g. charts and tables, graphs, and artistically) and through writing**
  - b. Functions as an active listener**
  - c. Uses technology to communicate**
- 2. Critical and Complex Thinker**
  - a. Identifies, assesses and integrates a variety of complex reasoning processes such as comparison, classification, induction, deduction, analysis, investigation, inquiry and invention**
  - b. Accesses, collects, evaluates and uses information from a variety of sources and media**
  - c. Forms conclusions and solves problems based upon relevant and reliable data and information**
- 3. Quality Producer**
  - a. Uses quality standards to plan, develop, revise, and evaluate projects**
  - b. Uses appropriate technology to produce a product**
  - c. Uses cross-curricular knowledge to produce quality work**
- 4. Self-directed Learner**
  - a. Demonstrates initiative**
  - b. Establishes measurable goals**
  - c. Manages and organizes use of time**
  - d. Monitors and evaluates progress**
  - e. Uses technology and media to access, acquire and evaluate information to accomplish tasks**
  - f. Locates, understands and interprets written information from multiple sources**
  - g. Connects classroom content with personal experience**
  - h. Demonstrates knowledge of habits that support and promote life-long wellness**
- 5. Responsible and Active Citizen**
  - a. Actively participates as a member of a team**
  - b. Demonstrates respect for diversity**
  - c. Demonstrates integrity, responsibility, honesty and perseverance**
  - d. Uses technology appropriately**
  - e. Works toward resolution in the presence of conflict**
  - f. Demonstrates positive citizenship in the classroom and community**

## FORWARD

This booklet is intended to be a resource to guide parents and students in charting the four-year pathway required for (1) graduation and (2) post-secondary preparation. There are a number of questions that should be discussed and answered between the student and parents prior to using this booklet.

**Question # 1:** What is your primary educational goal at the conclusion of your senior year?

- a. Meet minimum college admission requirements
- b. Gain and enhance career-technical skills and experiences while meeting minimum college admission requirements
- c. Be competitive for admission to an elite university
- d. Enter the community, state, or university college system prepared to take college-credit courses (avoiding remedial math and/or English placement)

**Question # 2:** What area of study do you want to emphasize, if any? Does your student have natural abilities, interest, or a passion for a particular field?

**Question # 3:** Is there a career your student is interested in pursuing?

There are three major segments to the booklet which can guide you in developing an appropriate four-year plan.

**Section 1** provides a general overview of guidance services, important references and definitions. This portion of the Guide provides both the requirements for high school graduation and college admission. There are sample tables illustrating possible student schedules. There is a worksheet to use in filling out your student's four-year high school program.

**Section 2** is dedicated to course descriptions listed by each department. It is important to note that some of the elective courses listed in the Guide are not offered every year. Required courses are always offered, but only those elective courses that generate appropriate sign-ups and have adequate staffing are actually taught in any given school year. Please pay particular attention to the pre-requisites that many of the courses require.

**Section 3** describes special programs offered by various agencies not limited to GBHS and the Roseville Joint Union High School District. Placer County's 49'er Regional Occupation Program and Sierra Community College information can be found in this section.

Our goal is to provide the best information we can so that parents and students can develop an academic and career preparation plan that best meets our students' post-secondary goals. Your involvement, knowledge of requirements, and consistent progress monitoring is critical to your student's success.

This 2011-2012 Planning Guide is available on the school web site at: [www.granitebayhigh.org](http://www.granitebayhigh.org)

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# SECTION 1: GENERAL INFORMATION

## GRANITE BAY HIGH SCHOOL COUNSELORS

Counselors at Granite Bay High School are assigned according to students' last names. The alphabetical assignments are as follows:

A - Ek ..... Tiffani Gieck  
El - K ..... Carey Bussey  
L - Ra ..... Paul Stordahl  
Re - Z ..... Christina Cross  
Special Services Coordinator..... Janice Lucas  
Student Support Counselor ..... Kathleen Orchard

## 4 x 4 BLOCK SCHEDULE

Granite Bay High School is on 4 x 4 Block schedule that has students taking up to four courses over an 18-week period. Students meet in four classes for 86-minute periods each school day with the exception of special schedule days such as rallies, collaboration days and assemblies. In December of every year, students complete their fall courses and begin up to four new courses for the spring term in January. All freshmen and sophomores are required to be enrolled in four courses each term. Juniors are permitted one off-campus per year while seniors are permitted one off-campus each term pending being on target to complete A-G requirements and scoring at the basic level on the CST's.

## GRADUATION REQUIREMENTS:

- I. Satisfactory citizenship and attendance
- II. 260 credits including the following required subjects:  
(Five credits earned for successful completion of each course every 9-week grading period.)  
**English** .....40 credits (grades 9, 10, 11, 12)  
**Math** .....20 credits – Includes successful completion of Algebra I (or higher) and one additional math class beyond Algebra 1 (Geometry or higher).  
**Social Science** .....30 credits to include:  
World Studies - .....10 credits (grade 10)  
(or AP European History)  
U. S. History - .....10 credits (grade 11)  
Government/Economics - .....10 credits (grade 12)  
**Science** .....20 credits (must be UC/CSU approved) to include:  
Biological Science - .....10 credits *and*  
Physical Science - .....10 credits  
**Physical Education** .....20 credits (grades 9 & 10)  
**Health and Safety** .....10 credits  
**Fine Arts or World Language** .....10 credits  
**Additional Credits** .....110 credits
- III. Pass the California High School Exit Exam

## GRADE POINT AVERAGES

A student's transcript will list three different grade point averages (GPA's): Academic GPA (9-12), Academic GPA (10-12), and Total GPA (9-12). Each is calculated differently:

- **Unweighted Academic GPA** – All courses taken in the respective years (i.e. 9-12 GPA, 10-12 GPA) are used in the calculation with the exception of PE courses. No courses are weighted.
- **Weighted Academic GPA** – All courses taken in the respective years are calculated with the exception of PE courses; Honors, AP and IB courses receive an extra weighted point if the grade earned is 'C' or better. Colleges do not accept any grade lower than a 'C' in Honors, AP, or IB courses.
- **Total Unweighted GPA** – All courses taken in all grades are used in the calculation. No courses are weighted.
- **Total Weighted GPA** – All courses taken in all grades are calculated; Honors, AP, and IB courses receive an extra weighted point if the grade earned is 'C' or better.
- **UC/CSU GPA** – All "A" – "G" courses, including weighted, beginning in 10<sup>th</sup> grade.

## COLLEGE ADMISSION REQUIREMENTS (UC/CSU)

<b>A – G Subject Areas</b>	<b>California State University (CSU Sacramento, Chico, etc.)</b>	<b>University of California UC Davis, Berkeley, etc.)</b>
a) History / Social Science	2 Years	2 Years
b) English	4 Years	4 Years
c) Mathematics	3 years (through Algebra 2/Int. 3)	3 years (through Algebra 2/Int. 3) (4 years recommended)
d) Lab Science	2 Years	2 years (3 recommended)
e) World Language	2 Years	2 Years (3 recommended)
f) Visual and Performing Arts	1 Year	1 Year
g) Elective Courses	1 Year	1 Year

All grades must be a 'C' or better to meet college admission standards. Also, generally speaking, the more math, science and world language, the better. Complete 15 units of college prep courses with a grade of 'C' or better.

**The University of California system (UC Davis, Berkeley, etc.)** includes ten four-year universities offering a variety of BA and BS degrees. To qualify for entrance, students must have a high-school diploma or a California Proficiency Certificate. Students must follow a university preparatory program and **must earn 'C' or better grades in the required courses. Students must complete 15 college-prep courses (11 by the junior year) with a grade point average of 3.0 or higher.** In addition to the ACT or SAT examination, consideration should be given to taking SAT 2 Subject Tests. Although not required, SAT Subject Tests are still recommended. Entrance GPA and requirements may vary depending on the major area of study and the campus selected. Consult the Career Center for more information. For general UC information refer to [www.ucop.edu](http://www.ucop.edu) or [www.CaliforniaColleges.edu](http://www.CaliforniaColleges.edu).

**California State University (CSU Sacramento, Chico, etc.)** includes 23 four-year universities offering a variety of BA and BS degrees. To qualify for entrance, students must have a high school diploma or California Proficiency Certificate. Students must follow a university preparation program and **must successfully complete the required courses with a 'C' or better. Students must have a high school GPA of 2.0 or higher to be eligible for the CSU system. Please note that this is a college GPA which only includes college prep approved courses.** Entrance GPA and requirements may vary depending on the major area of study and the campus selected. For a complete listing of CSU's visit [www.calstate.edu](http://www.calstate.edu), [www.CaliforniaColleges.edu](http://www.CaliforniaColleges.edu) online or contact the Career Center for more information.

### PRIVATE COLLEGES

There are many private colleges and universities. Their entrance requirements are similar to those of the University of California or the California State University systems. Consult the Career Center and the individual college admissions offices for information. For further information refer to [www.petersen.com](http://www.petersen.com).

### COMMUNITY COLLEGES

The California Community College system offers A.A. or A.S. degrees and certificates, two year transfer programs where the classes taken for credit can be transferred to four year systems, and training in many trades and technical fields. Students who are 18 years of age may attend a community college even though they may not have graduated from high school. For further information refer to <http://www.mcli.dist.maricopa.edu/cc>.

### TECHNICAL AND BUSINESS SCHOOLS

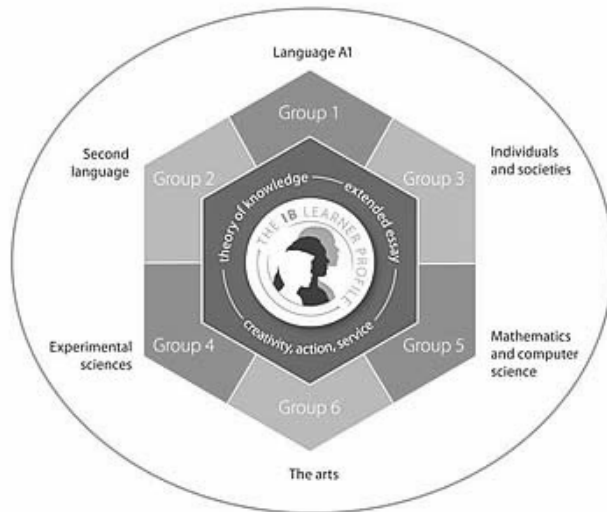
These schools offer certificates for training in a variety of vocational occupations. Most require a high school diploma or its equivalent. Some are available here in the Sacramento area. For further information refer to <http://overview.com/colleges>.

## The International Baccalaureate Diploma Programme at Granite Bay HS

The International Baccalaureate Diploma Programme (DP) is a demanding pre-university course of study that leads to a qualification widely recognized by the world's leading universities. Designed for highly motivated secondary school students aged 16 to 19, the program offers an academic experience emphasizing critical thinking, intercultural understanding, exposure to a variety of points of view and rigorous internal and external assessments.

The program is a challenging two-year international curriculum for grades 11 and 12 incorporating the best elements of several national systems, without being based on any one. Internationally mobile students are able to transfer easily from one IB school to another while students who remain closer to home benefit from a highly respected and challenging global curriculum. Each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. For over 40 years, statistics show that students are extremely well prepared for university work, and are more likely to complete college and enter graduate school.

Students must study six subjects in six areas - English, second language, social sciences, experimental sciences,



mathematics, and the arts - offered at two levels, higher level (HL) and standard level (SL). In addition students must take an interdisciplinary course called Theory of Knowledge (TOK) that challenges students to question the bases of knowledge. Students must also complete a program called CAS (creativity, action, and service), which involves participation in community service, performing arts, sports, etc. Students are also required to write an extended essay (EE) of up to 4,000 words in order to acquaint them with the kind of independent research and writing skills expected of them at university.

**Higher Level (HL)** courses and examinations are slightly more difficult and lengthy. The HL courses require the student to spend a minimum of 240 hours in instruction/lab time spread over grades 11 and 12 (courses HL-1 and HL-2). The requirements for HL Internal Assessment are somewhat more demanding and thorough.

**Standard Level (SL)** courses and exams require at least 150 hours of instruction/lab time and meet everyday over two terms (courses SL-1 and SL-2). In general, the exams for SL courses are not as difficult or lengthy as their HL counterparts. Likewise, the Internal Assessment requirements may vary for the SL courses.

Students must sit for two-day external assessment examinations in **at least three HL courses**, although four HL courses may be taken. Normally a **Diploma candidate** takes 3 HL and 3 SL courses. Most of our current IB Diploma candidates are taking 4 HL courses which will serve them well in the college admissions process.

## **IB COURSES AVAILABLE AT GBHS**

- Group 1: IB English A1 (HL)**
  
- Group 2: IB French B (SL)  
IB Japanese B (SL)  
IB Spanish B (SL)**
  
- Group 3: IB History of the Americas, HOA (HL)  
ITGS (SL)**
  
- Group 4: IB Biology (HL)  
IB Chemistry (HL/SL)  
IB Physics (SL)**
  
- Group 5: IB Math SL**
  
- Group 6: IB Visual Arts (HL/SL)  
IB Film SL  
or a second Group 3 or Group 4 IB course**

Performance in each of the six IB Diploma subjects is graded on a scale of 1 to 7, which means for six IB Courses, a student can earn 42 points. An additional 3 points may be awarded for combined performance in TOK and the EE, bringing the maximum total Diploma Programme point score to 45. Internal assessments provide about 25% and external assessment provides about 75% of the final IB score. Scores that total 24 or higher may be eligible for an IB Programme Diploma based on specific criteria. Detailed explanations may be found on our website [www.granitebayhigh.org](http://www.granitebayhigh.org) or through our IB Coordinator, Sharry Colnar ( [scolnar@rjuhsd.us](mailto:scolnar@rjuhsd.us) ).

### **The Advanced Placement Program at Granite Bay HS**

Our Advanced Placement (AP) program offers rigorous college level courses that have been approved by the College Board and prepares students for success in their academic futures. Under this accelerated learning program, students will sharpen their analytical and writing skills, and hone their study habits in preparation for a demanding college curriculum. If a student successfully passes the AP exam administered in May, college credit and/or advanced placement can be earned (depending on the student's test score and the college policies). Please refer to the GBHS course catalog for a detailed description of the 20 courses offered and prerequisites for these courses.

Since the rigor of a student's curriculum is often a crucial factor in the college admissions process, students taking AP courses are more competitive (as the demands and strengths of AP classes are widely recognized and are rewarded with a weighted grade). Many colleges will consider whether the student has taken enough AP courses to pursue a challenging curriculum. While Granite Bay High also offers an IB program (which offers a global perspective on learning and is also rigorous in coursework), the AP program can offer more flexibility while still providing an advanced level of education. The program allows students to choose which AP courses to pursue and the option to participate in the rich offering of extracurricular activities at Granite Bay High. (However, AP courses are demanding and parents should carefully assess whether the student can keep up with an accelerated pace of learning together with the extracurricular activity under consideration).

AP students are strongly urged to take May exams. Passing scores are 3 or higher out of a possible of 5.

## AP COURSES OFFERED

- AP Art History
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP English Language
- AP English Literature
- AP European History
- AP French
- AP Japanese
- AP Physics “B”
- AP Physics “C”
- AP Psychology
- AP Spanish
- AP Statistics
- AP Studio Art
- AP U.S. Government
- AP U.S. History
- AP Macro/AP Micro Economics (Year block)

### **Similarities Between AP and IB Programs**

- Both rigorous programs devoted to educational excellence with high performance standards for students and faculty.
- AP and IB courses receive additional weight in calculating GPA at Granite Bay High School.
- Both attract highly motivated students hoping to excel academically and attend the most selective colleges/universities.
- Both are recognized by most U.S. universities for college credit or advanced standing, based on exam scores.
- Both use external assessments and evaluators to score exams — AP (by the College Board) and IB (by the IBO).
- Both target objectivity and fairness in scoring and grading of assessments, removing personality and personal influence from assessment system. Scores based on the quality of work evaluated against a set criteria or standard.
- Both provide students with a local letter grade, assigned by a GBHS teacher, recorded on the GBHS transcript and used in computing grade point averages and class rank. In addition, both provide a numerical score, determined by an external assessment and scored by an external evaluator, which is used for consideration of college credit.
- Both provide extensive professional development/training for teachers who desire to teach the courses.

## GBHS COURSES MEETING UC ADMISSION REQUIREMENTS

(Note: This list may be updated yearly as new courses are submitted for a-g approval. Underlined courses denote extra honors credit for grade... A=5, B=4, C=3

### a. HISTORY/SOCIAL SCIENCE

World Studies  
U.S. History  
Government  
IB History of the Americas HL 1 and 2  
AP European History  
AP Government  
AP U.S. History

### b. ENGLISH

CP English 9  
CP English 10  
CP English 11  
CP English 12  
IB English HL 1, IB English HL 2  
Honors English 11  
AP Lang/Comp 12  
AP Lit/Comp

### c. MATHEMATICS

Algebra 1, (Algebra 1A/1B)  
Algebra 2  
Geometry (Geometry A/B)  
Pre-Calculus  
AP Statistics  
Honors Pre-Calculus  
IB Math SL  
AP Calculus AB  
AP Calculus BC

### d. LABORATORY SCIENCE

CP Biology  
IB Biology HL1, IB Bio HL2, IB Bio SL1  
AP Biology  
Chemistry  
IB Chemistry HL1, IB Chem HL2, IB Chem SL1  
Honors Chemistry  
AP Chemistry  
Honors Physics  
Physics  
IB Physics HL1, IB Phy HL2, IB Phy SL1  
AP Physics B  
AP Physics C  
Physiology

### e. LANGUAGE OTHER THAN ENGLISH

French 1, 2, 3, Honors French 4  
AP French 4, IB French SL1  
Japanese 1,2,3, Honors Japanese 4,  
AP Japanese 4, IB Japanese SL1  
Spanish 1, 2, 3, Honors Spanish 4  
AP Spanish 4, IB Spanish SL1

### f. VISUAL AND PERFORMING ARTS

Ceramics 1, 2, 3  
Baritone Concert Choir  
Treble Concert Choir  
Treble Chamber Choir  
Madrigal Choir  
Chamber Choir  
Marching Band  
Symphonic Band  
Jazz Ensemble  
Brass/Wind Ensemble  
Percussion Ensemble  
Guitar  
Piano Lab  
Advanced Guitar  
Basic Art  
Advanced Art  
Art 3  
Art 4  
Dance  
Intermediate Dance  
Advanced Dance  
Drama  
Advanced Drama  
Professional Drama  
Photography  
Advanced Photography  
IB Visual Arts HL 1, HL 2, SL 1  
AP Studio Art  
AP Art History

### g. COLLEGE PREPARATORY ELECTIVE

**English**—All courses listed under “b” plus the following:  
Speech and Debate, Advanced Journalism

**Advanced Mathematics** – All courses beyond Algebra 2/Integrated Math 3 listed under “c”

**Laboratory Science** – All courses listed under “d” and CP Earth Science, Fish & Wildlife, Zoology, Robotics, & Sport Science

**World Language** – All courses listed under “e” except French 1, Japanese 1, & Spanish 1

**Social Science** – All courses listed under “a” plus the following: Economics, AP Macro and Micro Economics, Social Psychology, AP Psychology, IB Info. Tech. In The Global Society

#### **Visual and Performing Arts**

All courses listed under “f” except for Ceramics 1, Basic Art, Drama, Guitar, Dance, Chamber/Concert/Madrigal Choirs, Jazz/Percussion/Brass-Wind Ensemble, Marching Band, Piano Lab, Symphonic Band, and Photography

## FOUR-YEAR EDUCATIONAL PATHS

The Roseville Joint Union High School District is committed to providing an integrated program of personal, academic, and vocational counseling services that recognizes and serves the diverse needs and talents of our students.

A major element of this program is providing students information and guidance regarding the educational programs offered at our high schools in order to enable them to satisfy their individual needs, talents, and post-high-school plans.

Granite Bay High School offers personalized educational paths to all students. Students are encouraged to select a path at the time of enrollment. The path should be chosen based on the individual's needs, talents, and post high school plans. All paths will satisfy the minimum high-school graduation requirements. Students have the opportunity to change and update paths.

\* \* \* \* \*

### **Recommended Four-Year University Path**

**(University of California, California State University, Private University, Community College Transfer)**

Recommended academic program for students planning to apply directly to UC, CSU, private universities, military academies, or to transfer from a community college to one of these universities.

### **Minimum Four-Year University Path**

**(California State University, Some Private Universities, Community College Transfer)**

Minimum academic program required for students planning to apply directly to CSU, some private universities, or to transfer from a community college to one of these universities.

### **Community College/Career Technical Education Path**

This plan includes all course work required for a high school diploma. It is designed for students who plan to go to community college, vocational or trade schools, or directly to work following high school.

### **Elective Pathways**

Granite Bay High School provides students opportunities to explore "specialized" areas of study that are intended to give students further insight to potential careers. The sequence of courses is designed to overlap and compliment existing requirements for graduation and college admission. Please see Section 3 for more details about EP's at Granite Bay High School.

<b>RECOMMENDED FOUR YEAR UNIVERSITY PREPARATION PATH</b>			
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
English 9	English 10	English 11 Honors English 11 IB English	English 12 IB English AP English Lang/Comp AP English Lit/Comp English 1A and 1B(Sierra College)
Pre-Algebra Algebra 1 Geometry Algebra 2	Algebra 1 Geometry Algebra 2 Pre-Calculus Honors Pre-Calculus	Honors Pre-Calculus Pre-Calculus Geometry Algebra 2 IB Math AP Calculus AB/BC AP Statistics	Algebra 2 Pre-Calculus Honors Pre-Calculus AP Statistics IB Math AP Calculus AB/BC
Health and Safety	AP European History World Studies	U.S. History IB History of Americas AP U.S. History Hist. 17B (Sierra)	Government/Economics IB History of Americas AP Government/Economics AP Govt/AP Micro & Macro-economics/Law and Justice
World Lang 1 World Lang 2	World Language 2 World Language 3 World Language 4	World Language 3 World Language 4 IB World Language AP World Language	World Language 4 AP World Language IB World Language
PE 9	PE 10	Elective	Elective
CP Earth Science Biology	Biology Chemistry Honors Chemistry Physics Honors Physics	Physics Honors Physics AP Physics B AP Physics C IB Physics Physiology Chemistry Honors Chemistry IB Chemistry AP Chemistry IB Biology AP Biology	Physics Honors Physics AP Physics B AP Physics C IB Physics Physiology Chemistry Honors Chemistry IB Chemistry AP Chemistry IB Biology AP Biology
Elective/VPA*	Elective *	Elective *	Elective *
Elective	Elective	Elective	Elective

\*The CSU/UC system and some private universities require one year of Visual and Performing Arts. Students planning to apply for entrance to highly competitive universities should enroll in Honors, AP or IB level courses.

<b>MINIMUM FOUR-YEAR UNIVERSITY PREPARATION PATH</b>			
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
English 9	English 10	English 11 Honors English 11	English 12 AP English Lang/Comp AP English Lit/Comp English 1A and 1B (Sierra College)
Pre-Algebra Algebra 1	Algebra 1 Geometry	Geometry Algebra 2	Pre-Calculus Algebra 2
Health and Safety	World Studies	US History	Government/Economics AP Government/Economics
World Lang 1	World Lang 2	Elective	Elective
PE 9	PE 10	Elective	Elective
Elective	Biology	Biology Physics Chemistry Physiology	Chemistry Physics Physiology
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

**NOTES:** One elective must be a Visual or Performing Arts course.

<b>COMMUNITY COLLEGE CTE SCHOOL PREPARATION MINIMUM HIGH SCHOOL GRADUATION</b>			
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
English 9	English 10	English 11	English 12
Pre-Algebra Algebra 1A/1B	Alg 1A/1B Algebra 1 Geometry Geometry A/B	Algebra 1 Algebra 1A/1B Geometry Geometry A/B	Geometry Geometry A/B
Health and Safety	World Studies	U.S. History	Government/Economics
PE 9	PE 10	Elective	Elective
CP Earth Science	CP Earth Science CP Biology	CP Earth Science CP Biology	CP Biology
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

**NOTES:**

One elective must be a Visual or Performing Arts course or one year of World Language.

Science classes may be taken in any year.

Seniors are encouraged to participate in ROP (Regional Occupation Program). See Section 3 for more information.

## FOUR-YEAR PLAN

Name \_\_\_\_\_

Graduation Date \_\_\_\_\_

Counselor \_\_\_\_\_

Post Graduation Goal \_\_\_\_\_

Career Goal \_\_\_\_\_

High School Graduation Requirements (Each box represents 5 credits)

In addition to the requirements below each student must acquire a minimum of 260 credits.

- | <u>Semester</u>   | <u>Semester</u>  |
|---|--|
| 1 2   | 1 2  |
| <input type="checkbox"/> <input type="checkbox"/> English 9           | <input type="checkbox"/> <input type="checkbox"/> Physical Science<br>(i.e. Chemistry,<br>Physics) |
| <input type="checkbox"/> <input type="checkbox"/> English 10          | <input type="checkbox"/> <input type="checkbox"/> Life Science<br>(i.e. Biology)                   |
| <input type="checkbox"/> <input type="checkbox"/> English 11          | <input type="checkbox"/> <input type="checkbox"/> Fine Art or<br>World Lang.                       |
| <input type="checkbox"/> <input type="checkbox"/> English 12          | <input type="checkbox"/> <input type="checkbox"/> Health & Safety                                  |
| <input type="checkbox"/> <input type="checkbox"/> Alg. 1<br>or higher | <input type="checkbox"/> <input type="checkbox"/> World Studies<br>(or AP European Hist)           |
| <input type="checkbox"/> <input type="checkbox"/> Geom. or higher     | <input type="checkbox"/> <input type="checkbox"/> US History                                       |
| <input type="checkbox"/> <input type="checkbox"/> PE 9                | <input type="checkbox"/> <input type="checkbox"/> Gov/Econ   |
| <input type="checkbox"/> <input type="checkbox"/> PE 10               |  |
- HS Exit Exam (Pass)**  English  Math

**CSU/UC College Entrance (Grade of C or better)**

- |                                   |  |
|-----------------------------------|--|
| a. History/Social Science         | <input type="checkbox"/> 2 years                 |
| b. English                        | <input type="checkbox"/> 4 years                 |
| c. Math<br>(through Algebra 2)    | <input type="checkbox"/> 3 years                 |
| d. Lab Science                    | <input type="checkbox"/> 2 years (3 recommended) |
| e. Language other<br>than English | <input type="checkbox"/> 2 years (3 recommended) |
| f. Visual and Performing Arts     | <input type="checkbox"/> 1 year                  |
| g. Elective Courses               | <input type="checkbox"/> 1 year                  |

MY PERSONAL PLAN			
9	10	11	12
English 9	English 10	English	English
Health & Safety	World Studies AP European History	US History AP US History IB History of the Americas	Government / Econ AP Government AP Economics
PE 9	PE 10		

**Planned Test Dates**

SAT I \_\_\_\_\_ SAT II \_\_\_\_\_  
 ACT \_\_\_\_\_ PSAT \_\_\_\_\_  
 ASVAB \_\_\_\_\_  
 IB \_\_\_\_\_

## SECTION 2: DEPARTMENT COURSE DESCRIPTIONS

### Key

**Grade Levels** are indicated to the right of each course title

**UC/CSU** = Meets entrance requirement for the University of California or California State University

**AP** = Advanced Placement; national curriculum established by College Board. \* Students may receive college credit if scoring a '3' or better on AP exam in subject area.

**CP** = College Prep; indicates course is taught at a level that assumes students have adequate reading and writing skills. Targeted at students who intend to gain admission to a four-year university immediately following high school.

**Honors** = Course is taught at an accelerated pace. Course is weighted an extra grade point in student's cumulative grade point average.

**IB** = International Baccalaureate Diploma Programme. Please read program description on page 3

**VAPA**= Visual and Performing Arts

### CAREER TECHNICAL EDUCATION DEPARTMENTS

#### (BUSINESS, FAMILY AND CONSUMER SCIENCE, INDUSTRIAL TECHNOLOGY EDUCATION)

#### **BUSINESS**

##### **BUSINESS CONCEPTS**

**Course ID: 151013**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

This course introduces students to the world of business and will help prepare them for the economic roles of consumer, worker, and citizen as well as prepare them for future employment and college business courses. Topics covered include economics, banking and credit, insurance, consumerism, career exploration, oral and written communication skills and current events. Guest speakers also enhance the curriculum.

##### **BUSINESS LAW**

**Course ID: 152053**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: None**

This course assists the student in meeting demands of the everyday business world and develop an understanding of personal rights and obligations in business situations. Business definitions will be taught. Students study ethics, crimes, torts, laws for minors, consumer law, contracts, credit issues, financial obligations, property laws, and insurance. The successful student will have a good foundation to be a success in his/her college business courses.

##### **BUSINESS LEADERSHIP**

**Course ID: 152203**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: This course is currently offered only through the GBiT course. Students must have taken GBiT and have extensive knowledge of the group to which they will be managing. Students need to have shown leadership qualities while in GBiT. Students need to apply for management positions prior to registration**

The course focuses on both leadership and management theory for college-bound students interested in business. Students manage a GBiT group which includes training students, leading students, and managing projects. Other requirements include reading outside textbooks, writing formal reports, evaluations and goals, communicate effectively, problem solving, maintaining integrity, think critically. Students will need to spend extra hours working after school.

##### **COMPUTER APPLICATIONS 1**

**Course ID: 161103**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

**College Credit: American River College**

We focus on being more productive using the Microsoft Office Suite. Technical definitions are taught. This is a project based course, after teaching the foundation skills, students still do real

world projects to see how the software helps make them more productive for life after high school, in college or the world of work. This course is recommended for all students planning on attending college.

### **COMPUTER APPLICATIONS 2**

**Course ID: 162153**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Completion of Computer Applications 1 with grade of “C” or better or instructor approval. Incoming freshman need to take a placement test prior to taking the course.**

**College Credit: Sierra College & American River College**

This project based course will teach students to do payroll in Excel; resumes and Mail merge in WORD; inbed videos in PowerPoint, and make business cards Publisher. Projects will provide students with opportunities to increase their employability skills and presentation capabilities. Students will use digital cameras and scanners on their projects. This course is recommended for all students planning on attending college.

### **INTRO SPORTS & ENTERTAINMENT MARKETING**

**Course ID: 152113**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Students will learn the core standards of marketing applicable to all businesses. Basic topics of distribution, marketing-information management, pricing, product/service management, promotion, selling, and financing will be studied and applied using Sports and Entertainment industries as a focus. The marketing techniques learned will give students a solid foundation for their own business exploits or for future college business courses.

## **FAMILY AND CONSUMER SCIENCE**

### **CHILD DEVELOPMENT**

**Course ID: 303403**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: None**

In this class, students study the growth of children. Students gain experience by working in the community at schools as a volunteer. Students

must be able to drive to their training sites (2-3 times a week) for the second term of the semester.

### **CULINARY TECHNIQUES – INTRODUCTORY**

**Course ID: 302203**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Have fun in this beginning class discovering basic culinary in an 8-kitchen lab environment while developing valuable personal management, leadership, and life skills. Students explore a variety of cooking methods and cuisines. Guest speakers and visiting Chefs expand students’ real world outlook. A final portfolio showcases student’s work. Cost of materials: \$35.00

### **ADV. CULINARY**

**Course ID: 303253**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: Culinary Techniques or approval from teacher**

Refine and apply skills of mise en place, chef, sous chef, plating and presentation, costing, purchasing, storage, menu planning, marketing and industry standards through sweet and savory cooking experiences. The “Grizzly Gourmet” is a student run catering service which will provide food service and production for staff and student events. A final portfolio showcases students’ work. Lab Cost of materials: \$35.00

### **49er ROP/CULINARY WORK EXPERIENCE/CAPSTONE**

**Course ID: 754103 (AM) 754203 (PM)**

**Open to grades: 12**

**UC a-g:**

**Prerequisites: Culinary Tech. 1 and Advanced Culinary**

Students further develop culinary technique and valuable interpersonal skills in an on –campus, group-kitchen environment. In addition, students have an exciting opportunity to build relationships while gaining real world experience working for community business partners in the hospitality industry and participating in industry events and trips. Cost of materials: \$35.00

## **INDUSTRIAL TECHNOLOGY**

### **3D ANIMATION**

**Course ID: 101693**

**Open to grades: 9-12**

**UC a-g: Pending**

**Prerequisites: Successful completion of a course in computer applications, photography, multimedia, or Drafting 1 or evidence of basic computer skills including the use of toolbars.**

3D Animation is designed for students interested in integrating technology and art. This beginning course will give students the artistic knowledge and technology skills needed to create 3D computer animations. Students will learn design techniques, modeling, character design, texturing and animating objects for movies. Students will learn industry standard software.

### **ADVANCED 3D ANIMATION**

**Course ID: 102693**

**Open to grades: 9-12**

**UC a-g: Pending**

**Prerequisites: "C" or better in 3D Animation or instructor approval**

Students will continue to develop their artistic design, story telling, and advanced animation techniques. Topics will include sophisticated modeling, advanced lighting, materials, character rigging, special effects, and particle systems. The class culminates in a large professional quality small group animation. This course allows students to advance their creative talents.

### **BUSINESS LEADERSHIP & MANAGEMENT**

**Course ID: 152203**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: This course is currently offered only through the GBiT course. Students must have taken GBiT and have extensive knowledge of the group to which they will be managing. Students need to have shown leadership qualities while in GBiT. Students need to apply for management positions prior to registration.**

The course focuses on both leadership and management theory for college-bound students interested in business. Students manage a GBiT group which includes training students, leading students, and managing projects. Other requirements include reading outside textbooks, writing formal reports, evaluations and goals,

communicate effectively, problem solving, maintaining integrity, think critically. Students will need to spend extra hours working after school.

### **CONSTRUCTION TECHNOLOGY 1**

**Course ID: 352413**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

This is a BASIC WOODSHOP class. Students will learn tool and equipment safety and operation through hands-on activities and construction projects. In addition, students will study construction materials, assembly processes, and finishing techniques. Students will design, plan, and build projects using hand tools, power tools, and shop equipment. Cost of materials: \$60.

### **CONSTRUCTION TECHNOLOGY 2**

**Course ID: 353423**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Construction Technology 1**

This is a BASIC CARPENTRY class that teaches beginning and intermediate carpentry skills. Students study building construction including site preparation, forming, framing, interior and exterior finishes, and electrical systems. The fundamentals of carpentry will be covered giving students the chance to practice both structural and finish carpentry. Cost of materials: Varies

### **CONSTRUCTION TECHNOLOGIES**

#### **ROP – ARCHITECTURE, CONSTRUCTION AND ENGINEERING**

**Course ID: 754373 (FALL) 754383 (SPRING)**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: None**

Students who want to continue their training via a real construction company. (See ROP Section: Construction Technology).

#### **IB INFORMATION TECHNOLOGY FOR A GLOBAL SOCIETY (ITGS) SL-1, SL-2**

**Course ID: 163634 (SL-1) 163644 (SL-2)**

**Open to grades: Non IB Course: 10-12, IB Course : 11-12**

**UC a-g: G**

**Prerequisites: None**

ITGS is a two-term (one-year long) course that studies the impact on society of computers, wireless communications, and the internet. Topics include information security, hardware and

networks, software, the internet, robotics and artificial intelligence, and technology applications. Students will engage directly with customers by helping solve technical issues and will have a technology project in which they will provide a technical service for the GBHS staff or the local business community. The course can be taken as a non IB course, a Group 3 IB course or a Group 6 (Arts & Electives) course for IB Diploma students. This course is the prerequisite for Team IT (GBIT).

#### **TEAM IT-(GBIT)**

**Course ID: 163613 (FALL) 163623 (SPRING)**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Information Technology for a Global Society (ITGS). Students must go through an interview process that includes faculty screening and a formal interview for the position including a resume of past work and experiences. Students must also attend a mandatory training offered in the spring term the previous year or they will not be able to take the course. Students must sign a Code of Conduct agreement to remain in the course.**

GBIT is a student-run business and technology organization that provides technical services to GBHS staff and students. The three groups within the class are Tech, Web, Management & Development and the subgroup of Sales. Groups are managed by student managers. The course and groups provides students with experience with website development, leadership skills, campus computer repair working with the site technician, iPhone/iPad/iPod Touch programming and many advanced software applications.

#### **MEDIA PRODUCTION: INTRODUCTION TO TELEVISION AND AUDIO PRODUCTION**

**Course ID: 101673**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Basic computer skills or instructor's approval**

Media I is an entry-level course in which students learn to use video and digital still cameras, edit video on tape editors and on computers, and create different types of video programs. Students learn to communicate effectively by writing scripts, planning productions, and editing tape. Technically, students learn how to operate video and audio equipment, including cameras, various types of microphones, mixers, sound processors, and computer applications. This course also introduces students to studio production in the GBHS TV and

Sound Studio. May be repeated for credit. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course.

#### **ADVANCED MEDIA PRODUCTION: TELEVISION AND SOUND STUDIO PRODUCTION**

**Course ID: 102683**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Media I and instructor approval**

Students will apply the skills of script-writing, filming, and editing to the production of projects, programs, and broadcasts in the GBHS Studio. Students will learn to work in production teams as directors, on-air talent, audio engineers, switchers, graphics technicians, etc., as they produce programs the school network and community cable broadcasts. Students will also learn multi-track audio recording fundamentals as they record and mix school and personal audio projects. Class may include trips to area television studios. There are materials costs associated with some of the projects in this course.

#### **MULTIMEDIA: INTRODUCTION TO COMPUTER ART AND ANIMATION**

**Course ID: 101653**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Basic computer skills or instructor's approval.**

Multimedia is an entry-level course in which students learn to create visual art and animation on computers. Students will use industry standard software Adobe Photoshop, Premiere (movie making), Flash (animation) and Dreamweaver (web). Technically, students will learn to manage different files and combine different types of media into effective and entertaining images presentations. This course fulfills the district graduation requirement in visual and performing arts. However, it does not fulfill college VAPA requirements. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course.

#### **ADVANCED MULTIMEDIA: INTERACTIVE COMPUTER MULTIMEDIA**

**Course ID: 102663**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Multimedia I and instructor approval.**

Multimedia II will apply advanced computer art and animation skills to interactive multimedia projects for use on CD, DVD and Web Pages. Students will combine photos, video, sound, and animations in to a DVD or webpage authoring program. Students will develop an advanced talent for still and video productions. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course.

**PRE-ENGINEERING**

**Course ID: 351703**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Pre-Engineering is designed to generate an interest in Engineering and related occupations as career goals and expose students to the associated technologies through hands-on instruction and problem solving activities. Scientific principles, mathematical concepts, and communication skills are taught through an activity-oriented approach. Manufacturing processes, mechanical design, alternative building materials, structural engineering, and CAD technologies will be explored by all students.

**DESIGN AND ENGINEERING 1**

**Course ID: 351613**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

This is an introductory drafting class that teaches the fundamentals of mechanical and architectural design. Students use AutoCAD to produce both 2- and 3-dimensional drawings. This class is for students who have a career interest in Civil/Mechanical Engineering, Architectural Design, and/or Construction Management. 3 UNITS COLLEGE CREDIT AVAILABLE UPON COMPLETION OF THIS COURSE (CSU Sacramento ENG 6).

**DESIGN AND ENGINEERING 2**

**Course ID: 353633**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Design and Engineering 1**

This is an architectural drafting class that builds upon the design concepts introduced in Design & Engr 1. Students design floor plans for residential and commercial buildings. In addition, students explore the structural components of a building

project. Finally, students gain an understanding for the different materials and processes used in the engineering/construction fields. This class is for students who have a career interest in Civil/Mechanical Engineering, Architectural Design, and/or Construction Management.

**DRAFTING ROP**

**Course ID: 754373 (Fall) 754383 (Spring)**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: None**

Students wanting to continue their study Design and Engineering should enroll in Construction Technologies ROP and request a Design and Engineering position (See ROP sections: Construction Technologies).

**ROBOTICS**

**Course ID: 352753**

**Open to grades: 9-12**

**UC a-g: G**

**Prerequisites: None**

Robotics is an introduction to the uses of science, mathematics, and physics in engineering. As a member of a team that defines, designs, or builds a robot, students learn the basic concepts of mechanics, engineering, and computer programming. The students must also master the skills of effective communication, teamwork and problem solving. Upon successful completion of Robotics, the student will have gained a greater understanding of the interrelationship of design, mechanics, computers, and software to better prepare the student to make informed career choices in planning a career in the field of technology.

**WEB DESIGN**

**Course ID: 162303**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Beginning Web Design is an introductory course where students learn the latest design strategies and techniques for creating Web sites that are useful and attractive. Students will learn basic HTML coding, web page development with Dreamweaver, and image editing with Fireworks, integrating text and graphics into personal and "client" Web sites. The client can be a teacher, coach, club, business, or organization needing Internet presence. Use of JavaScript and FTP will also be covered.

## **ADVANCED WEB DESIGN**

**Course ID: 163353**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: Web Design**

Advanced Web page design is for all general and college-prep students wanting to advance their knowledge in web page design and who wish to apply their skills to “real world” situations. Students will build on, and apply what they learned in beginning Web Page Design by continuing to learn advanced coding, Flash animation, CSS and JavaScript. Students will be able to apply for Web Development Certifications through W3Schools online certification programs.

## **ENGLISH**

### **CP ENGLISH 9**

**Course ID: 201113**

**Open to grades: 9**

**UC a-g: B**

**Prerequisites: None**

This course emphasizes critical thinking, critical reading, and analytical writing skills. The selections will include non-fiction, poetry, short stories, and novels. Emphasis will be placed on essay development. Writing conventions such as usage and mechanics will be taught in conjunction with the study of literature and writing. Students can expect a variety of oral and listening activities.

### **CP ENGLISH 10**

**Course ID: 202213**

**Open to grades: 10**

**UC a-g: B**

**Prerequisites: None**

This course emphasizes critical thinking, reading, and writing. The texts include non-fiction and literature. In conjunction with reading, grammar usage and mechanics will be taught to improve writing. Students write a variety of essays, both in class and at home. Research skills are developed in context with writing. Students can also expect a variety of oral and listening activities.

### **CP ENGLISH 10 - *European Literature* (Paired with AP European History)**

**Course ID: 202216**

**Open to grades: 10**

**UC a-g: B**

**Prerequisites: None**

Designed for college-preparatory students, this course emphasizes critical thinking, reading, and

writing, combined with a study of European literature and history. This course follows the scope and sequence of the Advanced Placement European History curriculum. This is not an honors course; however, because it is paired with an advanced placement course, the curriculum is more rigorous than the traditional English 10 course - the pace is more rapid, the expectations are higher, and the material is more challenging. Students who elect to take this more rigorous option for credit in English 10 should have a lexile score of 1100 or better. The focus of the class is close reading and analytical writing in the genre of non-fiction historical literature and philosophy.

### **CP ENGLISH 11**

**Course ID: 203313**

**Open to grades: 11**

**UC a-g: B**

**Prerequisites: None**

This course emphasizes critical thinking, critical reading, and analytical writing skills combined with a study of American literature. The literature selections will include non-fiction writing, poetry, short stories, and novels. Students will write a variety of essay modes. Emphasis will be placed on research skills. Students can expect a variety of oral and listening activities.

### **HONORS ENGLISH 11**

**Course ID: 206323**

**Open to grades: 11**

**UC a-g: B**

**Prerequisites: A score of Basic (3) or higher on your last CST English test.**

Designed to encourage the more qualified and motivated students to pursue excellence. This course will provide an accelerated curriculum for juniors which will include summer reading list, advanced writing opportunities, and extended analysis of literature and style. This course will prepare students for Advanced Placement courses at the senior level.

### **HONORS ENGLISH 11 Block**

**Course ID: 206327**

**Open to grades: 11**

**UC a-g: B**

**Prerequisites: A score of Basic (3) or higher on your last CST English test.**

Designed to encourage the more qualified and motivated students to pursue excellence. This course will provide an accelerated curriculum for juniors which will include summer reading list, advanced writing opportunities, and extended

analysis of literature and style. This course will prepare students for Advanced Placement courses at the senior level. \* This course is blocked with AP US History as a year-long course.

### **IB ENGLISH HL-1, HL-2**

**Course ID: (HL-1) 204512 (HL-2) 204522**

**Open to grades: 11-12**

**UC a-g: B**

**Prerequisites: English 10 with grade "C" or better**

The focus of the course will be on World Literature, focusing on works from Japan, Africa, North and South America, Europe and the United Kingdom. Students study connections among cultures and the commonality of the human experience, broadening their perspectives, and simultaneously enriching their understanding and appreciation for the craft of writing and expression in various cultures and eras.

### **CP ENGLISH 12**

**Course ID: 204413**

**Open to grades: 12**

**UC a-g: B**

**Prerequisites: None**

The course focuses on active listening, critical reading, writing and thinking. It is expected that students have mastered basic reading and writing skills--introduced and reinforced in English 9, 10. This course will prepare seniors for college level reading and writing.

### **AP LANGUAGE & COMPOSITION**

**Course ID: 207423 Year Long ID: 207421**

**Open to grades: 12**

**UC a-g: B**

**Prerequisites: A score of Basic (3) or higher on your last CST English test.**

This study of rhetoric will foster writing flexibility and skill in a variety of modes applicable to all subject areas in college and in personal and professional situations. Students will read various non-fiction texts as models for their writing. Emphasis will be placed on skills necessary to pass the AP Language and Composition exam. Students must take the AP exam.

### **AP LITERATURE & COMPOSITION**

**Course ID: 207433 Year Long ID: 207431**

**Open to grades: 12**

**UC a-g: B**

**Prerequisites: A score of Basic (3) or higher on your last CST English test.**

This is a college-level course in which students will read and write with maturity. Emphasis will be placed on the skills necessary to read and write at the college level as well as to pass the AP Literature and Composition exam. This course requires a high level of motivation due to the reading and writing requirements. Novels, poems, and plays will be required reading for the course.

## **ENGLISH ELECTIVES**

### **ACADEMIC LITERACY (Year-long A/B Block with CP English 9)**

**Course ID: 211213**

**Open to grades: 9**

**UC a-g: None**

**Prerequisites: None**

This is a freshmen course for students who struggle with reading comprehension and fluency. Students will learn strategies for handling the reading in academic courses. Students will be identified for and automatically enrolled in this course by evaluation of various tests and teacher recommendations. Freshmen will take the course concurrently with CP English 9 as a year-long A/B blocked class.

### **ACADEMIC LITERACY II (Year-long A/B Block with World History)**

**Course ID: 211223**

**Open to grades: 10**

**UC a-g: None**

**Prerequisites: None**

This is a required course for sophomores who continue to struggle with reading comprehension and who need to develop writing skills. Academic Literacy II will be taken as a year-long A/B blocked class, taken concurrently with World History. Students will be identified for and automatically enrolled in this course by various tests and teacher recommendations. Does not count towards English credit.

### **COMPETITIVE DEBATE**

**Course ID: 212403**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: None**

Offered in the fall only, this class is designed to offer direct instruction in competitive debate. This class will teach students how to express ideas and to defend them under direct challenge, backed by evidence, not by mere conjecture and opinion. Students will learn major philosophical concepts

and moral theories and will learn to apply them to the cases they construct and argue. This course is devoted to competition preparation and is structured according to league debate events. Students do extensive research and are required to attend and participate in debates held outside of school hours.

Placement Recommendation: This class is recommended for 10th – 12th graders who have taken a basic speaking course or have successfully completed Competitive Forensics.

### **COMPETITIVE FORENSICS**

**Course ID: 212353**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Offered in the fall only, this class is designed to offer direct instruction in competitive speech and/or drama events. Students who take Competitive Forensics enjoy performing. This course is devoted to competition preparation and is structured according to speaking events officially recognized by the National Forensic League. Students do extensive research and are required to attend and participate in events held outside of school hours. Placement Recommendation: This course is offered to freshmen through seniors, after successful completion of a Basic Speech/Debate course or approval of the instructor.

### **IB FILM SL/HL**

**Course ID: Pending IB FILM SL/HL**

**Course ID: Pending Year Long ID: Pending**

**Open to grades: 11-12**

**UC a-g:**

**Prerequisites: None**

This International Baccalaureate Group 6 Film course will enable students to explore film history, theory and genre in a variety of cultures in order to achieve an international understanding within the world of film. Students will learn and apply film terms, analyze sequences and whole films, write screenplays, and produce trailers and short films. As the course encapsulates all aspects of a bachelor of arts program in film studies, this is an excellent choice for a student interested in communications, media studies, and film studies. The major activities will include creating a documentary script, giving a presentation about a film history or film theory topic, and making a short film. This course does not include external IB examinations in May.

### **JOURNALISM**

**Course ID: 211453**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Introductory course designed to prepare students to work as part of a publications staff. The course focuses on the fundamentals of news, feature, sports and opinion writing, as well as photography, layout/design and advertising sales/design. There is an emphasis on news gathering and journalistic accuracy. The course is a prerequisite for being on school publication staffs.

### **ADVANCED JOURNALISM (Newspaper)**

**Course ID: 212513 (FALL) 212523 (SPRING)**

**Open to grades: 10-12**

**UC a-g: G**

**Prerequisites: C or better in Journalism 1 or instructor's waiver; there is also a required application process for all new students**

Designed for general and college-preparatory students to produce the school newspaper. Students write stories, edit copy and headlines, design pages and graphics, take photographs and sell ads. All students are required to generate revenue to support the printing of the newspaper and other expenses. Enrollment is limited.

### **JOURNALISM – SPORTS**

**Course ID: 211463**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Introductory course with a sports focus designed for general and college-prep students to train for work on the school newspaper and sports magazine. This course will build skills in the fundamentals of news writing as it pertains to sports. The student will be able to gather information and write various types of sports stories, with the emphasis on language, style and accuracy.

### **ADVANCED JOURNALISM - SPORTS (GBSI)**

**Course ID: 212533**

**Open to grades: 10-12 May be repeated for credit**

**UC a-g: G**

**Prerequisites: "C" or better in Journalism 1 and interview/application process**

Designed for general and college-preparatory students to produce an edition of GBSI. The techniques of newspaper and magazine production studied in Journalism 1 – Sports will be put to

practical use. Activities include writing news stories, editing copy, writing headlines, laying out pages, and creating computer graphics as it pertains to sports. Journalism as a career will be considered.

### **SPEECH AND DEBATE**

**Course ID: 211303**

**Open to grades: 9-12**

**UC a-g: G**

**Prerequisites: None**

Designed for college-preparatory students with an interest in public speaking, this general survey course includes training in public speaking, debate, communicating more effectively, critical analysis, and constructively evaluating oral communication. Students learn to do effective research, evaluate fact/opinion and learn to construct speeches that are informative, persuasive and/or entertaining. Students are required to perform for the class as part of their assessments. Placement Recommendation: This course is required of all students who plan to join the Speech/Debate team in the fall. Course must be taken for entire term for credit and parent participation required.

### **YEARBOOK**

**Course ID: 212683 (FALL) 212693 (SPRING)**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: Interview/application, instructor approval and successful completion of English classes with a grade of "C" or better.**

A yearlong class where students produce the school yearbook. Students will learn the basics of journalistic writing, layout design, photography and the business of publications. Students will become adept at using computer programs such as Adobe InDesign CS3 and Photoshop to produce the yearbook.

## **HEALTH AND SAFETY**

### **HEALTH AND SAFETY**

**Course ID: 521153**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Health and Safety is a one-term (18 week) course that is required for graduation. It is recommended that students complete this course by the end of their freshman year. Students will learn the necessary skills for making effective decisions for life-long health. The short-term and long-term

consequences of making unhealthy decisions will be examined. Students will engage in various classroom activities while exploring topics such as: nutrition, physical fitness, mental illness, stress management, suicide, OTC and Rx drugs, the effects of alcohol and other drugs of abuse, sexuality, infectious diseases, first aid and accident prevention. Students will also learn about the juvenile justice system in Placer County and have the opportunity to participate in Peer Court. Upon satisfactory completion of this course each student may obtain an American Red Cross First Aid and CPR certification.

### **DRIVER EDUCATION**

**Course ID: 669010**

**Open to grades: Age 15 ½ +**

**UC a-g: None**

**Prerequisites: None**

While GBHS does not offer a driver education class, students may enroll in an on-line course offered through the Roseville High School District. Information about how a student can enroll in these courses will be provided at the beginning of each school year.

Note: Due to current age restrictions of the California State teen driving laws, enrollment in the district on-line course is limited ONLY TO STUDENTS WHO WILL BE 15 ½ OR OLDER UPON THE COMPLETION OF THE COURSE.

## **MATHEMATICS**

### **PRE-ALGEBRA**

**Course ID: 401213**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Designed for students who need to upgrade their math skills in preparation for successful performance in college-preparatory Algebra. (This course does not count toward Math Credits for graduation.)

### **ALGEBRA 1**

**Course ID: 401423**

**Open to grades: 9-12**

**UC a-g: C**

**Prerequisites: None**

Designed for college-preparatory students. The understanding of operations and solving equations is stressed. Students will develop a proficiency in evaluating polynomials and factoring polynomials. Students will develop competence in working with

linear equations, exponents, rational expressions and linear systems.

Placement Recommendation: Students in Algebra 1 should have very good math skills and solid study habits. Students should successfully complete Pre-Algebra with a grade of "B" or better.

### **ALGEBRA 1A/1B**

**Course ID: 401383 (A) 401393 (B)**

**Open to grades: 9-12**

**UC a-g: C**

**Prerequisites: None**

This course covers the same curriculum as Algebra 1, but over the entire year (two terms), and will be taught at a slower pace.

### **GEOMETRY**

**Course ID: 402433**

**Open to grades: 9-12**

**UC a-g: C**

**Prerequisites: Grade of "C" or better in Algebra I**

Designed for college-preparatory students. This beginning course in geometry includes the basic structures of geometry and proficiency in developing formal proofs and concepts of space geometry integrated with plane geometry. Algebraic skills are reviewed and strengthened as algebraic methods are applied to solving problems.

### **GEOMETRY A/B**

**Course ID: 402403 (A) 402413 (B)**

**Open to grades: 9-12**

**UC a-g: C**

**Prerequisites: Grade of "C" or better in Algebra I**

This course covers the same curriculum as geometry, but over the entire year (two terms), and will be taught at a slower pace. This class earns a student 10 credits toward the math graduation requirement.

### **ALGEBRA 2**

**Course ID: 403453**

**Open to grades: 9-12**

**UC a-g: C**

**Prerequisites: Grade of "B" or better in Geometry**

Designed for college-preparatory students. Topics from elementary algebra are reviewed and extended to include fractional equations, exponents, radicals, logarithms, functional relationships and trigonometry. Graphing of linear equations is introduced and explored. There will be

exposure to the complex numbers systems, radical expressions and scientific notation. Students will work with relations and functions and their corresponding domains and range.

### **AP STATISTICS**

**Course ID: 407523**

**Open to grades: 11-12**

**UC a-g: C**

**Prerequisites: Completion of second year Algebra with a grade of "C" or better**

AP Statistics is a one term course in statistics. The course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes; exploring data, planning a study, probability and statistical inference. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one semester introductory college statistics course. AP students are expected to sign up for and take the AP exam.

Placement Recommendation: Pre-Calculus

### **IB MATH SL-1, SL-2**

**Course ID: 407614 (SL-1) 407624 (SL-2)**

**Open to grades: 11-12**

**UC a-g: C**

**Prerequisites: Honors Pre-Calculus with grade of "B" or better**

Recommendation: Math SL is a two-term course for IB Diploma candidates majoring in math and sciences.

The first term of the course will cover advanced algebra and trigonometry, matrices, vectors, and probability and statistics. The second term of the course will deal with the concepts of limits, continuity, derivatives, and anti-derivatives of algebraic functions. Students will be prepared to take the AP Calculus AB exam as well. Engineering majors are encouraged to also take AP Calculus BC in grade 12.

### **PRE-CALCULUS**

**Course ID: 404483**

**Open to grades: 10-12**

**UC a-g: C**

**Prerequisites: Grade of "C" or better in Algebra 2 or Algebra 2A/2B**

Designed for the college bound student who may need to take a college calculus course. Students will work on becoming proficient in the following areas: fundamentals of college level algebra, geometric and algebraic interpretations of

functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, and trigonometric functions and their properties.

### **HONORS PRE-CALCULUS**

**Course ID: 406493**

**Open to grades: 10-12**

**UC a-g: C**

**Prerequisites: Grade of “B” or better in Algebra 2 or “C” or better in Pre-Calculus**

Designed for college-preparatory students.

Students will learn the skills and proficiencies necessary to compete

algebra, geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, and trigonometric functions and their properties. Limits, differentiation and integration will be introduced.

### **AP CALCULUS AB**

**Course ID: 407503**

**Open to grades: 11-12**

**UC a-g: C**

**Prerequisites: Grade of “B” or better in Honors Pre-Calculus**

An advanced placement course designed for university preparatory students. This course provides instruction in the concepts of limits, continuity, derivatives, and anti-derivatives of algebraic functions. The basis concepts in algebra set theory and trigonometry are reviewed briefly before they are used to study limits. AP students are expected to sign up for and take the AP exam.

### **AP CALCULUS BC**

**Course ID: 407513**

**Open to grades: 11-12**

**UC a-g: C**

**Prerequisites: Completion of AP Calculus (Honors)**

The second course of Calculus includes the study of definite integrals, differentiation and integration of trigonometric, logarithmic, and inverse functions. A score of 3, 4, or 5 on the AP Exam enables students to receive college credit in calculus at selected colleges or universities. AP students are expected to sign up for and take the AP exam.

## **PHYSICAL EDUCATION**

### **PE 9**

**Course ID: 501013**

**Open to grades: 9**

**UC a-g: None**

**Prerequisites: None**

An introduction to various physical activities and sports. Instruction includes basic skills, rules, safety, etiquette, sportsmanship, care of equipment, and personal hygiene. Designed to introduce students to individual and dual sports through an instructional based program. Emphasis will be placed on social skills, sportsmanship, respect, fitness awareness, conditioning and the importance of daily physical activity.

### **PE 10**

**Course ID: 502023**

**Open to grades: 10**

**UC a-g: None**

**Prerequisites: None**

A continuing experience with skills and knowledge gained in PE 9, as well as experience with additional physical education activities not previously taught. Designed to introduce students to various games and sports with an emphasis on team sports and life-long activities. Social skills, sportsmanship, fitness principles and regular daily conditioning will continue to be taught, practiced and reinforced.

### **ADAPTED PE**

**Course ID: 508013**

**Open to grades: 9-10**

**UC a-g: None**

**Prerequisites: Placement in this class is dependent upon the approval of each school's Local Review Team. Referrals to the Team may be made through the school nurse or guidance counselor and must be activated by a referral from a physician**

Designed to provide eligible handicapped students the opportunity to participate in individualized physical education activities. Each student's program will be adapted to accommodate their individual needs and capabilities.

## **PHYSICAL EDUCATION ELECTIVES**

(Courses listed below do not meet Physical Education graduation requirements)

### **AEROBICS – (Fitness)**

**Course ID: 512103**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: “C” or better in PE 9**

Designed as a fun elective PE class for students who want to exercise and improve and/or maintain their level of physical fitness. This class is a great way to get in shape in a fun way by doing a wide variety of physical activities that include kick boxing, yoga, X-bikes, circuit training, weight training, walking, study of nutrition, Zumba and other fitness activities. May be repeated for credit.

### **ATHLETIC PE**

**Course ID: 513253 (Fall) 513303 (Spring)**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Written recommendation by varsity head coach of the student’s sport**

Designed to assist today’s student athletes in balancing the demands of athletics and academics. Areas of emphasis will be on learning styles, conditioning, endurance training, sports psychology, tutoring, sports theories, injury prevention, nutrition, self analysis, history of sports and application of sports knowledge to lifelong learning. For varsity athletes only. Athletes will sign up for either fall or Spring Athletic PE based on coaches’ recommendation.

### **WEIGHT CONDITIONING**

**Course ID: 512153**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: “C” or better in PE 9**

Designed to provide the opportunity to develop high levels of fitness through involvement in weight training, running, calisthenics, and swimming.

**ADVANCED WEIGHT TRAINING Course ID: 512263 (Fall) 512273 (Spring)**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: “B” or better in Weight Training and recommendation of the weight-training instructor. 9th graders must have prior coach approval**

Designed to provide an opportunity to develop proficiency and skill in Olympic Style weight training and to develop and enhance athletic ability through speed and agility training. This course is designed for the motivated student-athlete looking to advance beyond basic weight training. Students will sign up for either fall or Spring/Advanced Weight Training based on teachers’ recommendation.

### **X-BIKING**

**Course ID: 512193**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: “C” or better in PE 9**

Designed as a fun elective PE class for students who want to improve and/or maintain their level of physical fitness through indoor cycling. This class uses the Trixter bikes to take you on a leadership journey while giving you a workout. The class will give you the opportunity to be taken on bike rides, lead bike rides, as well as go on virtual bike rides through different parts of the world. By the end of the class you will have the opportunity to be awarded a certificate that will allow you to pursue getting a job leading X-BIKE classes at local California Family Fitness locations and there is opportunity to be a T.I. for PE 9 or PE 10 and help lead these PE classes in X-Bike workouts. May be repeated for credit.

## **SCIENCE**

### **BIOLOGICAL SCIENCE**

#### **CP BIOLOGY**

**Course ID: 551013**

**Open to grades: 9-12**

**UC a-g: D**

**Prerequisites: None**

College-preparatory class that encourages student responsibility for learning through a variety of experiences that include developing biological literacy, working cooperatively in lab groups, recognizing and evaluating relationships between technology and society, and developing critical thinking skills. Topics studied include cell biology, genetics, evolution, and ecology. Placement Recommendation: Grade of “C” or better in Algebra 1 and English 9 (or concurrent enrollment). Strong reading and reasoning skills are essential. Students reading below grade level may have difficulty.

## **AP BIOLOGY**

**Course ID: 557101**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Completion of CP Biology with grade "B" or better and completion of CP Chemistry with grade "B" or better or Honors Chemistry with grade "C" or better.**

A second course in Biology considered college level. This class is offered in a year long block with Physiology to allow completion of all 12 required AP labs and in-depth study of the AP course outlined topics. The course is intended to prepare students to pass the AP exam in May (which may make students eligible for college credit). AP students are expected to sign up for and take the AP exam. Placement Recommendation: Grade of "C" or better in and English (or concurrent enrollment.) Strong reading and reasoning skills are recommended. Completion of, or enrollment in Physiology prior to the May test is strongly recommended.

## **IB BIOLOGY HL-1, HL-2**

**Course ID: 610212 (HL-1) 610222 (HL-2)**

**Open to grades: 11-12**

**UC a-g: D**

**Prerequisites: CP Biology and CP or Honors Chemistry with a grade of "C" or better**

Recommendations: Students interested in Health Science majors are encouraged to block this course with IB Chemistry; they will be prepared to take both the IB and AP Biology exams in May. IB Biology provides a body of knowledge woven into the basic themes of biology: Structure, Function, Universality, Diversity, and Equilibrium. Students gain experience designing their own labs to solve problems and to prepare for internal assessments. Special option topics are Evolution and Human Physiology. The Group 4 Project is used to evaluate personal skills as students collaborate with others in the three IB science courses to investigate a common topic.

## **FISH AND WILDLIFE**

**Course ID: 552303**

**Open to grades: 10-12**

**UC a-g: G**

**Prerequisites: Grade "C" or better in CP Biology**

This course is a life science elective that will provide students with field study opportunities in the local area to learn and apply the principles of fish and wildlife management and conservation. Students will study wetlands, forests, habitat types, species

identification, and careers in fisheries, wildlife management, and forestry. Students will gain a much deeper understanding of many complex environmental issues.

## **PHYSIOLOGY**

**Course ID: 553201 (Year Long) 553203 (Reg)**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Grade of "B" or better in CP Biology, or teacher approval**

We'll consider the structural and functional interrelationships of the systems in the human body through class discussions, labs, work with slides, models, charts, and dissections. A course for those who intend to pursue a medically-related career or who are simply interested in a better understanding of the human body. Available blocked year long with AP Biology, or as one term course.

## **SPORT SCIENCE (Sport and Exercise Science)**

**Course ID: 581553**

**Open to grades: 9-12**

**UC a-g: G**

**Prerequisites: CP Biology with "C" or better**

This course will focus on the physics, physiology, and biomechanics of various modern American sports. It is recommended for students with an active interest in sports and related fields. Students will examine the scientific basis common to sports activities and training methods. Sport Science is a laboratory-based curriculum rather than a skill based curriculum commonly seen in Physical Education courses.

## **PHYSICAL SCIENCE**

### **CP EARTH SCIENCE**

**Course ID: 601963**

**Open to grades: 9-12**

**UC a-g: G**

**Prerequisites: None**

This predominantly physical science course emphasizes those techniques needed to prepare students for chemistry and physics while integrating with their algebra and geometry sequence. General topics investigated will be mapping, introductory chemistry, the earth's structure, plate tectonics, California geology, oceanography, meteorology, basic astronomy, and California water issues. Students will engage in hands-on labs, projects in cooperative groups, and computer simulations. Placement Recommendation: Students should be enrolled in or completed Algebra 1 and have strong

English skills. For most students, this course should precede Biology. This course meets CSU Physical Science entrance requirements.

### **CP CHEMISTRY**

**Course ID: 603103**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Grade of “B” or better in Biology or Physics**

Designed for college-prep students planning to major in science, this course examines the composition and properties of substances and their chemical reactions. Concepts involve a comprehensive overview of topics ranging from bonding to fundamental organic chemistry. Students must prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises. Placement Recommendations: Chemistry requires strong mathematics, algebra and above average thinking and writing skills. Students need a grade of B or better in Geometry or Algebra 2 and English.

### **HONORS CHEMISTRY**

**Course ID: 606153**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Grade of “B” or better in Biology or Physics. Algebra 2 must be completed with grade “B” or better or taken concurrently**

Designed for college-prep students planning to major in science, math or engineering, this course examines the composition and properties of substances and their chemical reactions. Concepts involve a more in-depth study than those in CP Chemistry with additional topics of oxidation reduction and bonding geometry. Students must prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises. Placement Recommendations: Chemistry requires strong mathematics, algebra and abstract (geometric) thinking skills, and above-average writing skills. Students need a grade of B or better in Geometry or Algebra 2 and English.

### **AP CHEMISTRY**

**Course ID: 607203**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Grade of “C” or better in Honors Chemistry or a “B” or better in CP Chemistry. Students must be currently taking or have completed AP Calculus. AP students**

**are expected to sign up for and take the AP exam.**

A fast-paced one-term course designed to be equivalent to general college chemistry. The emphasis here is the individual design of quantitative and qualitative lab work to complement more in-depth discussion of topics covered in Honors Chemistry, plus some new ones, in order to prepare students for the AP Chemistry exam. All students are expected to take the AP test in May. Placement Recommendation: Pre-Calculus with grade B or higher and good reasoning skills.

### **IB CHEMISTRY HL-1, HL-2**

**Course ID: 610412 (HL-1) 610422 (HL-2)**

**Open to grades: 11-12**

**UC a-g: D**

**Prerequisites: Honors Chemistry and Pre-Calculus with a grade of “C” or better**

Recommendations: This course is critical for engineering and health science majors. All students will be prepared to take both the IB and AP exams in May of grade 12. Chem HL is blocked over grades 11 and 12 and emphasizes analysis, evaluation and synthesis of scientific information. Awareness of moral, ethical, social, economical and environmental implications of scientific ideas is key. Special option topics are Medicine and Drugs and Food Chemistry. The Group 4 Project is used to evaluate personal skills as students collaborate with others in the three IB science courses to investigate a common topic.

## **PHYSICS COURSES**

### **CP PHYSICS**

**Course ID: 603303**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Completion of Algebra I with a grade of “C” or better**

CP Physics is a course where students learn concepts from a lab- and project-based approach. CP Physics includes the study of mechanics, fluids, heat, sound, light, electricity and magnetism. This course does require Algebra skills, but it will not require as much math as Honors Physics. While targeting college-bound students, the course is appropriate for students seeking a practical knowledge of science concepts. Placement recommendation: CP Biology or Earth Science with grade “C” or better.

## **HONORS PHYSICS**

**Course ID: 606353**

**Open to grades: 10-12**

**UC a-g: D**

**Prerequisites: Grade of “B” or better in Algebra 2**

This course is designed for college-preparatory students who are planning to major in science, math or engineering. This course provides a study of Mechanics, Projectile Motion, Momentum, Collisions, Work, Energy, Fluid Dynamics, Electricity, Thermodynamics, Waves, Sound, Light, Optics, and Nuclear Physics. Students need good problem-solving and laboratory skills. The class will combine lectures, labs, projects and demonstrations to understand Physics concepts in preparation for AP or IB Physics. Placement Recommendation: CP Biology with grade “B” or better.

## **AP PHYSICS C (Mechanics)**

**Course ID: 607403**

**Open to grades: 11-12**

**UC a-g: D**

**Prerequisites: Completion of Honor Pre-Calculus with a grade of “B” or better, concurrent enrollment or completion of AP Calculus**

This course is Calculus-based and covers the first half (Mechanics) of a full Physics curriculum. The course will thoroughly cover Mechanics, including projectile motion, forces, momentum, gravity, work, energy, and oscillating motion. This is vital subject matter for engineering, medical, or science research careers. This is a very fast moving curriculum, and it requires good problem solving and math skills. All AP students are expected to sign up for and take the AP Physics exam in May. Recommendation: Students should also sign up for AP Physics B in the spring term immediately following AP Physics C, as that class will cover additional topics and continue to prepare students for the AP Exam in May.

## **AP PHYSICS B**

**Course ID: 607393**

**Open to grades: 11-12**

**UC a-g: D**

**Prerequisites: Completion of AP Physics C**

This course will be offered spring term immediately following the AP Physics C (Mechanics) course. AP Physics B will cover the topics not included in Physics C, including Fluids, Thermodynamics, Sound, Waves, Light & Optics, Electricity, Magnetism, and Nuclear Physics. It will cover a broad range of demonstrations, labs, and projects, and may include

field trips to supplement the curriculum. All AP students are expected to sign up for and take the AP Physics exam in May. Recommendation: Concurrent enrollment in Honors Pre-Calculus will help, but is not required.

## **IB PHYSICS SL-1, SL-2**

**Course ID: 610514 (SL-1) 610524 (SL-2)**

**Open to grades: 11-12**

**UC a-g: D**

**Prerequisites: Algebra 2 with a grade of “C” or better**

Recommendations: This course is highly recommended for Engineering, Medicine, and Science majors. Students completing this course will also be well-prepared to take the AP Physics B exam in May. Honors Physics is recommended, but not required. Physics SL will be offered as an every day, all-year course. Traditional Physics topics of electricity, magnetism, waves, vibrations, heat, sound, light, optics, astronomy are covered. Special option topics are Sight and Wave Phenomena and Electromagnetic radiation. The Group 4 Project is used to evaluate personal skills as students collaborate with others in the three IB science courses to investigate a common topic.

## **SOCIAL SCIENCE**

### **WORLD STUDIES**

**Course ID: 652103**

**Open to grades: 10**

**UC a-g: A**

**Prerequisites: None**

Designed for general-level and college preparatory students. In this one-term course students examine major turning points and the cause-and-effect flow of the forces that have shaped the modern world. Curricular units are based on state standards and include The Development of Modern Political Thought, The Age of Revolutions, The Industrial Revolution, Imperialism, the Causes and Effects of World War I, The Rise of Totalitarianism, The Causes and Effects of World War II, The Cold War, Nation-Building and Global Developments in the Modern World.

### **AP EUROPEAN HISTORY / ENGLISH BLOCK**

**Course ID: 657151 (AP Euro)**

**Course ID: 202216 (English Block)**

**Open to grades: 10**

**UC a-g: A (AP Euro), B (English Block)**

**Prerequisites: Grade of “B” or better in English 9 and a score of Basic (3) or higher on**

**your last CST History test and your last CST English test.**

Designed for the university-bound student, preparation for college testing in European History is a major focus of the course. Students will engage in the process of framing an inquiry, selecting relevant sources and organizing evidence in support of a thesis. Primary and secondary sources of information will be examined and analyzed. Students will build on their skills in logic, analytical reading, critical thinking and high-level expository writing. A successful performance on the Advanced Placement Exam will enable students to obtain college credit in American History at selected colleges and universities. This course follows the national AP European History framework and not the California State Standards for World History. AP students are expected to sign up for and take the AP exam. Placement Recommendation: instructor approval. A written essay may be required. \*This course satisfies the World Studies graduation requirement. \*This class is blocked with one of the English 10 classes for a yearlong course.

**UNITED STATES HISTORY**

**Course ID: 653203**

**Open to grades: 11**

**UC a-g: A**

**Prerequisites: None**

Designed for general-level and college preparatory students. In this one-term course students examine major turning points and the cause-and-effect flow of the forces that have shaped the United States in the 20th century. Curricular units are thematically and chronologically based on state standards and include The Foundation of the American Nation (review unit), Industrialization and Immigration, Religion's Role in America, America's Rise to World Power, The 1920s, The Great Depression and New Deal, World War II, Domestic changes in Postwar America, Foreign Policy in the Cold War, The Civil Rights Movement, and Contemporary American Society.

**AP UNITED STATES HISTORY**

**Course ID: 657251**

**Open to grades: 11**

**UC a-g: A**

**Prerequisites: Grade of "B" or better in World Studies and English 10 or "C" or better in AP European History and a score of Basic (3) or higher on your last CST History test and your last CST English test.**

Designed for university-bound students, AP U.S. History is a rigorous, in-depth examination of the

course of American economic, political and social development from colonial to contemporary times. Preparation for academic success in college work and testing is a major focus of this course. Students will engage in the process of framing an inquiry, selecting relevant sources and organizing evidence in support of a hypothesis using primary and secondary sources of information in their analysis. Students will strengthen their skills in logic, analytical reading, critical thinking and high-level expository writing. AP students are expected to sign up for and take the AP exam. A successful performance on the Advanced Placement Exam will enable students to obtain college credit in American History at selected colleges and universities. This course follows the national A.P. United States History framework and not the California State Standards for U.S. History. Placement Recommendation: Grade of "B" or better in World Studies and English 10 or "C" or better in AP European History; instructor approval; written essay may be required. \*This course is blocked with Honors English 11 as a year-long course.

**IB HISTORY OF THE AMERICAS HL-1, HL-2**

**Course ID: 659112 (HL-1) 659122 (HL-2)**

**Open to grades: 11-12**

**UC a-g: A**

**Prerequisites: AP European History with a grade of "C" or better**

The HOA course runs over a two-year (junior/senior) period and mirrors the AP U.S. History course. AP U.S. History covers all of our country's history, from Jamestown's settling in 1607 through the Reagan 1980s, in a one-year survey course, while the IB class goes far more in-depth, studying predominantly the 20th Century, focusing on the United States and its interaction with its hemispheric neighbors and global partners and adversaries. While critical reading and writing skills needed for college will be emphasized in both the AP and IB courses, the IB program is designed to allow students the opportunity to "do history" rather than simply plowing through one unit to the next.

**THEORY OF KNOWLEDGE 1, 2 (Two Term Course)**

**Course ID: 163552 (TOK1) 163562 (TOK2)**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: None**

TOK is an enquiry into the ways of knowing and different types of knowledge. This course challenges students to reflect critically on the methodologies of the six IB curriculum areas.

Students will develop skills to identify and then evaluate belief and knowledge claims. Students will also reflect upon their IB experiences and will integrate and evaluate what they know within a larger knowing community. This course is required for all IB Diploma Programme candidates and mandates a minimum of 100 hours spread over 3 terms in grades 11 and 12. The assessment includes an essay (1200-1600 words) worth 66% and a presentation worth 33% of the IBO grade. Students who are not Diploma Candidates may not receive IB credit for this course.

### **GOVERNMENT/ECONOMICS**

**Course ID: 654304 (Gov)**

**Course ID: 654404 (Econ)**

**Open to grades: 12**

**UC a-g: A (Gov) , G (Econ)**

**Prerequisites: None**

Course content includes an overview of federal and state government and basic economic principles. Students will study the three branches of government, the electoral process, various systems of government and basic micro and macroeconomics. Economic problems in the US and personal economics are also stressed. The course emphasizes the active role of the individual and provides practical strategies for student to use in making personal economic decisions. A community-service component is required in this course.

### **AP GOVERNMENT /ECONOMICS**

**Course ID: 657354**

**Open to grades: 12**

**UC a-g: A (AP Gov), G (Econ)**

**Prerequisites: A score of Basic (3) or higher on your last CST History test and your last CST English test.**

This course is designed for the advanced student who desires to continue studying at the college level. It provides students an opportunity to gain a critical perspective on government, politics and economics in the United States. It involves both the study of general concepts used to interpret American politics and Economics, and the analysis of specific case studies. Students will strengthen their skills in logic, analytical reading, critical thinking and high-level expository writing. AP students are expected to sign up for and take the AP exam. A successful performance on the Advanced Placement Exam will enable students to obtain college credit at selected colleges and universities. This course follows the national A.P. United States Government framework and not the

California State Standards for Government; the Economics curriculum is non-AP specific and follows state standards.

### **AP GOVERNMENT**

**Course ID: 657352**

**Open to grades: 12**

**UC a-g: A**

**Prerequisites: AP US History or US History and a score of Basic (3) or higher on your last CST History test and your last CST English test.**

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). A college-level course that provides students an opportunity to gain a critical perspective on government and politics in the United States. It involves the study of general concepts used to interpret American politics and the analysis of specific case studies. **\*This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

### **AP MACROECONOMICS**

**Course ID: 657452**

**Open to grades: 12**

**UC a-g: G**

**Prerequisites: AP US History or US History and a score of Basic (3) or higher on your last CST History test and your last CST English test.**

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). A college-level course designed to provide students with a thorough understanding of the principles of economics in examining aggregate economic behavior. Students taking the course can expect to learn how the measures of economic performance are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also learn the basic macroeconomics analytical tools, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Students will also examine the impact of international trade

and international finance. **\*This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

### **AP MICROECONOMICS**

**Course ID: 657462**

**Open to grades: 12**

**UC a-g: G**

**Prerequisites: AP US History or US History and a score of Basic (3) or higher on your last CST History test and your last CST English test.**

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). In this college-level course, students will gain a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The course it places primary emphasis on the nature and function of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. **\*This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

### **LAW AND JUSTICE**

**Course ID: 654102**

**Open to grades: 12**

**UC a-g: G (pending approval)**

**Prerequisites: AP US History or US History**

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). This course combines theory and practice about law, democracy, and human rights. The curriculum focuses on legal rights and responsibilities, engagement in the democratic process, and commitment to the rule of law and social justice through mock trials, case studies and legal research

to develop the knowledge and skills necessary for survival in our law-saturated society. Topics include constitutional rights and liberties, civil and criminal law, adult and juvenile justice, family and consumer law, and career opportunities in the legal profession. **\*This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

### **AP PSYCHOLOGY**

**Course ID: 654133**

**Open to grades: 11-12**

**UC a-g: G**

**Prerequisites: None**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Some of those subfields include: personality development, psychological disorders, states of consciousness, memory, intelligence, and more. They also learn about the ethics and methods psychologists use in their science and practice. No prerequisite required. AP students are expected to sign up for and take the AP exam.

### **LEADERSHIP**

**Course ID: 851403**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

Learn the skills needed to be an effective leader, such as understanding personality and leadership styles, time/stress management, conflict resolution, group dynamics, and public speaking. Skills learned will be useful in Student Government, Athletics, and other co-curricular activities as well as work experiences and career preparation outside of school.

### **MILITARY HISTORY**

**Course ID: 653503**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

American Military History is a course designed to provide students with a survey of the politics,

strategies, tactics, causes and effects of American armed conflict. The realities of war will be researched, discussed, viewed and debated through video, literature, eyewitness accounts, oral histories and class projects. This course will assist students in their (studies of Granite Bay's) World and U.S. History courses.

### **PEER HELPER (Community Outreach)**

**Course ID: 852453**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: Application required**

The Peer Helping-Community Outreach course is designed to train students in helping and leadership skills that will be used in the classroom, community and everyday life. This program offers training in the following areas: leadership and communication skills, decision making and problem solving, peer pressure reversal, substance abuse, and other interpersonal helping skills. A major component of this class is the field experience for young people who are potentially interested in careers in education or related service-oriented professions.

### **PEER HELPER (Campus Outreach)**

**Course ID: 852455**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: None**

The Peer Helping Course is open to students in grades 10 through 12. This course is designed to train students in helping skills that will be used on campus. This training will include instruction in teen issues. Students will be taught how to foster interaction with other students, to create interpersonal relationships, and to team build. Students will be taught how to advise, peer counsel, mediate disputes, and resolve conflicts. Furthermore, students will learn leadership skills and assume leadership roles and students will learn and practice public speaking skills.

### **SOCIAL PSYCHOLOGY**

**Course ID: 653653**

**Open to grades: 11-12**

**UC a-g: G**

**Prerequisites: None**

Social psychology is a branch of psychology that analyzes the individual in the context of a social situation. This Social Psychology course provides students the opportunity to study the way in which people's thoughts, feelings and behaviors are influenced by the presence of others. Students will learn how and when people are influenced by

others, and what happens in the mind of an individual when various influences come into conflict with one another. Curriculum topics include: How we understand others and ourselves, attitude formation and change, the influence of social groups, interpersonal attraction, conformity, persuasion, aggression, and prejudice.

### **SPORT CULTURE**

**Course ID: 651603**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: None**

This interdisciplinary social science course will focus on the culture and socialization of sports, contemporary controversial issues in sports, overview of sports psychology, peak performance critical elements, and academic literacy. It is for college bound students that have an interest in sports and sports related fields. Students will examine the social, historical, educational, political, and economic institutions of sport and current practices in the sports world. Students will develop academic and interpersonal skills, and also, mental training methods for optimal performance in sports and in other performance areas. Sport Culture is both content and skills based curriculum. Sport Culture will set a foundation for further study in psychology, sociology, organizational leadership, and also, the sports related fields such as coaching, teaching, and athletic administration.

### **STUDENT GOVERNMENT**

**Course ID: 851363 (Fall) 851373 (Spring)**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Application process, teacher recommendation, and consent of instructor**

Student Government is a course designed to provide a setting for hands-on learning and implementing of the ASB and Class Activities programs at Granite Bay High School. Elected and appointed leaders enroll in one of two sections, to focus on either class or ASB activities.

## **VISUAL ARTS**

### **ART 1 (Formally Basic Art)**

**Course ID: 101013**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: None**

This is a beginning course where no experience is necessary. Students only need to have an interest in developing skills in basic design, drawing, painting, printmaking, and learning about other artists. Emphasis will be in learning and developing techniques necessary to complete assignments in the various media. Students will also use their imagination to develop creative and expressive works of art. There are materials costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

### **ART 2 (Formally Advanced Art)**

**Course ID: 102023**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Completion of Basic Art with a grade of "B" or better or instructor approval**

This course emphasizes canvas painting, airbrush, graphite portraits, acrylic painting and opportunities for more intense investigation into drawing and painting techniques in a variety of materials/media. This course also includes the development of the student's artistic concepts through the study of art heritage in America and the world. Attendance at a professional gallery will be required. There are materials costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

### **ART 3**

**Course ID: 103033**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Completion of Advanced Art with a grade of "B" or better**

This course follows Advanced Art and is recommended prior to taking AP Studio Art. Students focus on a series of works that relate thematically and in technique. The students can decide what materials to use and can include: airbrush, oil paint, acrylic, printmaking, etc. A major portion of the grade will be the art show that the students organize, design and publish brochures, and host a reception. The artwork can be sold and students will gain experience in running

their own show, similar to professional artists. Students will be able to complete their VAPA graduation requirements. There are materials costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

### **ART 4**

**Course ID: 103043**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Completion of Art 3 with a grade of B or better**

Art 4 further develops what students began in Art 3. This class will emphasize the exploration of new and creative approaches to art making within the student's series of works. Students will also have the opportunity to explore different approaches to art making which will include mono prints, collagraphs, and oil paint. Students will learn proper, professional preparation and display of their work in a public venue (coffee shop, gallery, bookstore, etc) as well as how to approach galleries for selection and participation in a group show. In addition the course will include professional artists' visits to explain their work and their experiences in the field of fine art, graphic design, and illustration. Art 4 is perfect preparation for students interested in AP Studio Art, and/or improving their portfolio of work for college. There are materials costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

### **AP STUDIO ART**

**Course ID: 107113**

**Open to grades: 12**

**UC a-g: F**

**Prerequisites: Completion of Art3 with a grade of "B" or better (Art 4 is also recommended prior to this course)**

An advanced performance-based course emphasizing development of a portfolio of work that will be graded by secondary and college teachers. The portfolio will be graded on quality, concentration, and breadth of formal, technical and expressive means. The completed portfolio is a great addition to college applications, and will allow you to skip an entry level art course. Students must be self-motivated and able to work independently. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course. AP students are expected to sign up for and take the AP exam.

## **AP ART HISTORY**

**Course ID: 107123**

**Open to grades: 11-12**

**UC a-g: F**

**Prerequisites: None**

An advanced class designed to provide students with a critical understanding and enjoyment of man's painting, sculpture, and architecture. The class will prepare students for the Advanced Placement Examination. Readings, slides, discussions, and field trips will be used to teach students about the history of art. Outside attendance of some art showings and/or exhibits may be required. AP students are expected to sign up for and take the AP exam.

## **CERAMICS 1**

**Course ID: 101043**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: None**

For general or college-prep students. Emphasis will be on understanding the use of design in functional clay work in pottery and sculpture. The class covers wheel and hand-built pottery, clay sculpture, and art appreciation and design, especially as they relate to ceramics. There are materials costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

## **CERAMICS 2/3**

**Course ID: 102053 (Ceramics 2) 103063 (Ceramics 3)**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Completion of Ceramics 1 with a grade of "B" or better or approval of instructor**

Designed to give students an opportunity to concentrate in hand-built pottery, wheel pottery, Raku, or sculpture. Students will be expected to perform at an advanced level and develop an individual style. Students will become acquainted with works from famous artists in history and make informed responses to works of art, nature, and other objects by using objective criteria for analysis, interpretation, and judgment. Technically, students will refine their abilities to apply design elements and principles in wheel throwing, hand building, and glazing techniques. Students will build a portfolio and be responsible for organizing art shows featuring their own work. Attendance of student art shows outside of class will be required.

There are materials costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

## **IB VISUAL ARTS SL-1, SL-2**

**Course ID: 163514 (SL-1) 163524 (SL-2)**

**Open to grades: 11-12**

**UC a-g: F**

**Prerequisites: Completion of Basic Art with a B or better**

The course follows the global approach to the visual arts in which the process is equal to the product. Emphasis is placed on the history and the exploration and production of studio work, linking the core elements of art concepts, criticism and analysis, acquisition of technical and media skills and the relationship of art to socio-cultural and historical contexts. Art activities integrate work in the studio with workbook research. Students maintain a research workbook detailing their plans, problems, successes and critiques of studio work that they have produced.

## **PHOTOGRAPHY 1 (Formally Photography)**

**Course ID: 101083**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: None**

For general or college-preparatory students interested in creative and recreational photography. Emphasis will be on the principles of photography. Exploration of the SLR camera, modes and settings, use of different lenses and techniques will also be included. Emphasis will be given to various picture taking techniques and priorities. There is a beginning to intermediate exploration of Photoshop. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course. Recommendation: Completion of Basic Art.

## **PHOTOGRAPHY 2 (Formally Advanced Photography)**

**Course ID: 102093**

**Open to grades: 11-12**

**UC a-g: F**

**Prerequisites: Must pass both semesters of Photography 1 with a "B" or better**

Advanced Photography is a course designed to provide 11th and 12th grade students with an advanced course in photography which will enable students to learn career preparation skills in photography: studio work, digital photography, and advanced Photoshop techniques. Special emphasis

will be given to special effects and lighting. Students may use the skills learned in this course to further explore careers in commercial photography, commercial printing multimedia, magazine publication, and other careers where advanced photography skills are required. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course.

## **PERFORMING ARTS**

### **DRAMA**

#### **DRAMA**

**Course ID: 101583**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: None**

Designed for general or college-preparatory students. This introduction to theatre class is a fun project and performance based class with a primary focus on the development of acting skills including pantomime, improvisation, character development, interpretation, theatre appreciation, and scene work.

#### **INT THEATER ARTS**

**Course ID: 102603**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Drama, Advanced Drama or instructor approval**

This class provides serious acting students the opportunity to continue their training in characterization, advanced improvisation, movement, auditioning, scene work, script analysis and interpretation, directing and theatre appreciation.

#### **ADVANCED DRAMA (Technical Emphasis)**

**Course ID: 102593**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Drama/or instructor approval**

Designed for general or college-preparatory students. This course will include instruction in costume and makeup design and application; technical skills in stage direction, lighting and sound; set construction; and publicity. Students are required to attend practices and rehearsals before and after school, as well as performances held at night and on weekends.

### **PROFESSIONAL DRAMA**

**Course ID: 103603**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Successful completion of Int Theater Arts or Advanced Drama and/or instructor approval**

This course will focus on advanced and college level acting and technical skills. Opportunities in directing, casting, and backstage production will be focused on throughout the class. Students will select and produce a number of one act plays. Career opportunities and advanced training will be explored. Evening and weekend rehearsal and performances will be required.

### **MUSICAL THEATER**

**Course ID: 103613**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: Auditions are open to students who have taken at least one drama, choir or dance class at Granite Bay High School or who are concurrently enrolled in one of these courses or by permission of the director**

This is a one-term course. The class will work together to define, promote, produce, research, and perform a musical during the spring term. Enrollment in the class will be determined through auditions each September. Evening and weekend rehearsal and performances will be required. Spring term only.

### **DANCE**

#### **DANCE**

**Course ID: 101503**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: None**

Introduces the basic skills in a variety of dance styles, including jazz, ballet, tap and teaching musicality, physical skills, and the value of hard work and responsibility. Grades are based on daily participation, attitude, effort, and skill. Members of the class are required to participate in a dance performance at the end of the term as their final grade. There may be materials costs associated with this course. Students will be given by instructor with specific information within the first week of the course.

## **INTERMEDIATE DANCE**

**Course ID: 102513**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: A full year of Beginning Dance with a “B” or better, previous dance experience and teacher approval.**

Designed to provide a continuing learning opportunity for those dance students who have had dance experience, but are not at a level of performance that enables them to participate in the advanced dance. Any student who would like to challenge beginning dance must audition in the spring for the following years class.

## **ADVANCED DANCE**

**Course ID: 102523**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Beginning Dance, Intermediate Dance, or previous dance experience and teacher approval (Freshman may not take advanced dance until they have taken Intermediate Dance and passed with a “B” or better).**

Designed for advanced dance students only. This class builds on the skills taught in Beginning and Intermediate Dance. This course will provide instruction in a variety of dance forms including jazz, ballet, and stage dancing. Students will also learn dance terminology and history. Student choreography and teaching is stressed.

## **BAND**

**BAND (ZERO PERIOD) (Spring Term –Must have been enrolled in the Fall term to participate)**

**Course ID: 101283**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Must have been in Marching band in the Fall term**

This class will be working on concert repertoire, music theory and performance. In addition to concert band music, this band will be providing music at athletic events when needed, particularly basketball games. Students participate in several concerts and music festivals  
[www.emeraldbrigade.org](http://www.emeraldbrigade.org)

## **MARCHING BAND**

**Course ID: 101253**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Sophomores and older must have taken/tested out of Symphonic Band. Students must attend a summer session band camp. Check dates at [www.gbemeraldbrigade.org](http://www.gbemeraldbrigade.org).**

(Fall Term; '0' period, Monday – Friday / 6:45am-7:40am; Monday Nights 6:30-9:00)

Marching band is MANDATORY for all band students. Includes physical activity. You must be a member of the Fall ensembles in order to participate in any Spring band classes. Band performs at all home football games as well as Saturday Competitions. Band camp is required for all members. The band rehearses outside of school on Monday nights and Saturdays.

## **COLOR GUARD**

**Course ID: 851553**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Fall must be in the Marching Band 0 period class and participate in all their activities. See Marching Band description. Spring must be enrolled in guard class only (Fall Term 1st Period/Spring Term 0 Period)**

This ensemble adds the visual performance to the marching band's music. Students learn a great deal of dance/body movement techniques. In the Fall Guard is part of the marching band. In the spring, guard becomes a unique guard only competitive team and competes in shows in the San Jose area from January through March. In the fall, the guard attends all marching band practices and activities. In the Spring Color Guard rehearses 2 evenings a week as well as Saturdays. See the calendar at [www.emeraldbrigade.org](http://www.emeraldbrigade.org). The class is designed to teach students with little or no experience how to use good dance technique as well as performances with a flag, rifle or saber.

## **BRASS/WOODWIND ENSEMBLE**

**Course ID: 101223**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Must be in the '0' period Marching Band class. Attend band camp**

(Fall term; Mandatory for Woodwind/Brass musicians; during school day)

You must be concurrently enrolled in 0 period marching band to take this class. Students learn the

marching band field show and pep music. For all musicians that play a wind instrument. Students Participate in all marching band activities. Once the marching season is completed this ensemble will be working on concert ensemble music.  
www.emeraldbrigade.org.

### **JAZZ ENSEMBLE**

**Course ID: 101243**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Participation in Fall band class and teacher approval**

(Spring Term: during school day)

Jazz Ensemble is an audition only class. The jazz band attends Festivals which include overnight trips. Students will improvise and perform jazz solos in large and small ensembles. Jazz Band performs all forms of music including Latin, Funk, Swing. Etc. The jazz band includes the top musicians in the instrumental music program.

### **PERCUSSION ENSEMBLE**

**Course ID: 101233**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Concurrent enrollment in Marching Band. Attend band camp www.gbemeraldbrigade.org**

(Fall Term; Mandatory for Percussionists; during school day)

You must be concurrently enrolled in 0 period marching band to take this class. This group is an audition only class and auditions take place at the end of the previous school year. Percussion Ensemble is for all percussionists or people wanting to learn percussion instruments Participates in all marching band activities. Once the marching season is completed this ensemble will be working on concert percussion ensemble music.

### **SYMPHONIC BAND**

**Course ID: 101263**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Must have been in Marching band Fall term**

(Spring Term: Must have been enrolled in the Fall Term)

Required for all freshman bands students. Students learn the California State Standards for music theory, music history and also spend time exploring world music. The freshman will play their instruments with the concert band music concurrently being played. Students take field trips

to the Mondavi Center to see performances. Students that wish to test out of the class may do so on teacher/administrator approval only.

### **GUITAR**

**Course ID: 101273**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: None**

Designed for the beginning guitar student at any grade level. Students will develop a variety of acoustic guitar techniques and skills, including reading music and tablature, playing chords, progressions, and finger picking techniques. Students will also develop skills to motivate life-long learning of the instrument. Students must provide their own acoustic guitar.

### **INTERMEDIATE GUITAR**

**Course ID: 102293**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Completion of Guitar with an "A" or "B"**

Study specific styles of guitar playing including Folk, Blues, and Classic Rock. This course places a larger emphasis on the understanding of music theory and development of improved sight reading skills. Improvisational skills are developed as students study the use of pentatonic scales, major and minor scales, and chord movements that utilize the guitar fingerboard well beyond open position.

### **ADVANCED GUITAR**

**Course ID: 102283**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Passed Intermediate Guitar with an A/B grade, or instructors approval prior to being accepted into Advanced.**

This class is designed for the serious guitar player/performer. Students must have completed Beginning Guitar, and have the approval of the instructor to move into Advanced Guitar. This class is a performance based class. Each student will prepare one lesson to share with the class, perform music of other musicians, learn to write their own music, and perform these selections in front of their peers/class. The class culminates in a concert performed for the school and community. This concert will be organized, and developed by the students who will be performing.

## **PIANO LAB**

**Course ID: 101293**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: None**

Piano Lab is a one-term course designed for students who desire to acquire or develop piano keyboarding skills while engaged in music study. Students will learn to read music and will explore the elements of music theory. Students will an aesthetic appreciation of music, life-long learning disciplines and motivations related to music, music etiquette, ear training, rhythm, dictation and sight reading skills. A final recital is required.

## **CHOIR**

### **BARITONE CONCERT CHOIR**

**Course ID: 101373**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Include teacher recommendation and/or positive attitude directed towards learning about correct singing techniques and music education.**

A one-term course in the 4x4 schedule, Baritone Concert Choir is a singing ensemble for voices that are in the baritone ranges-i.e. tenor and bass. This choir performs beginning, and intermediate literature from various selected eras and genres of musical histories in 2,3,and 4 parts. The Baritone Concert Choir will also rehearse and perform in conjunction with the Treble Concert and Treble Chamber Choir. In addition, the students will learn theory and history of the music performed, correct vocal technique, proper rehearsal and concert etiquette, interval recognition and basic note reading. Required performances are scheduled by the director.

### **TREBLE CONCERT CHOIR**

**Course ID: 101383 (Fall) 101393 (Spring)**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Include teacher recommendation and/or positive attitude directed towards learning about correct singing techniques and music education.**

A one-term course in the 4x4 schedule for students in grades 9-12, is a singing ensemble for voices that are comfortable in the treble ranges –i.e. soprano and alto. This choir performs beginning and intermediate literature from various selected eras of musical histories in 3-6 parts. The Treble Concert

Choir will also rehearse and perform in conjunction with the Baritone Concert Choir. In addition, the students learn the theory and history of the music performed the fundamentals of correct vocal technique, proper rehearsal and concert etiquette, interval recognition, sight singing, and note reading. Required performances are scheduled by the director.

### **CHAMBER CHOIR**

**Course ID: 102383**

**Open to grades: 9-12**

**UC a-g: F**

**Prerequisites: Instructor approval based upon a written music competency test and/or a vocal audition and/or successful completion of Concert Choir in the Fall term**

Spring term only: This class is designed for the experienced singer. Students will rehearse and perform a cappella music of historically significant music, as well as contemporary selections. Ear training, theory and sight singing will be studied. Attendance at after-school rehearsals and performances is required.

### **TREBLE CHAMBER CHOIR**

**Course ID: 102313 (Fall) 102323 (Spring)**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Include teacher recommendation and previous enrollment in Treble Concert Choir.**

A one-term course in the 4x4 schedule, Treble Chamber Choir is a singing ensemble for voices that are comfortable in the treble ranges – i.e. soprano and alto. This choir performs intermediate and advanced literature from various selected eras of musical histories in 3, 4, and 5 parts. The Treble Chamber Choir may also rehearse and perform in conjunction with the Treble Concert Choir and/or Baritone Concert Choir. In addition to the techniques of rehearsal and performance, the students learn the theory and history of the music performed, the fundamentals of correct vocal technique, interval recognition and writing, and note reading. Required performances are scheduled by the director.

### **MADRIGAL CHOIR**

**Course ID: 103403**

**Open to grades: 10-12**

**UC a-g: F**

**Prerequisites: Instructor approval based upon vocal audition (including sight-singing test)**

Spring Term only: Designed for the advanced singer. Emphasis will be on preparation for performances featuring a cappella singing of sacred and secular madrigals and motets, as well as a Madrigal Theater production. Attendance at after-school, evening and weekend performances will be required. Madrigal students must be enrolled in Treble Chamber Choir or Baritone Choir in the fall, and participate in the spring tour.

## **WORLD LANGUAGE**

### **FRENCH 1, JAPANESE 1, SPANISH 1**

**Course ID: 251113 (French 1)**

**Course ID: 251513 (Japanese 1)**

**Course ID: 251313 (Spanish 1)**

**Open to grades: 9-12**

**UC a-g: E**

**Prerequisites: None**

These courses provide students with opportunities to hear, speak, read, and write a world language as well as gain understanding of foreign cultures. Placement recommendation: Students who have not achieved at least B grade level work in English may experience difficulty in world language courses.

### **FRENCH 2, JAPANESE 2, SPANISH 2**

**Course ID: 252123 (French 2)**

**Course ID: 252523 (Japanese 2)**

**Course ID: 252323 (Spanish 2)**

**Open to grades: 9-12**

**UC a-g: E**

**Prerequisites: "C" grade in previous course, or instructor approval**

These courses will continue the development of skills introduced in French 1, Spanish 1 and Japanese 1 with expansions of vocabulary and continued emphasis on speaking the language. Reading for comprehension is strengthened. Students also acquire more knowledge of the countries where these languages are spoken and their cultures. Placement Recommendation: "B" grade in level 1 course

### **FRENCH 3, JAPANESE 3, SPANISH 3**

**Course ID: 253133 (French 3)**

**Course ID: 253533 (Japanese 3)**

**Course ID: 253333 (Spanish 3)**

**Open to grades: 10-12**

**UC a-g: E**

**Prerequisites: "C" grade in previous course, or instructor approval**

The primary emphasis in these courses is on oral communication, but the honing of reading and writing skills is also stressed. The courses include class discussions, interviews, spontaneous interpretation, composition and literature. Placement Recommendation: "B" grade in level 2 course

### **HONORS FRENCH 4 & AP FRENCH (One Year Long Course)**

**Course ID: 256153 (Hon French 4) 257163 (AP)**

**Open to grades: 11-12**

**UC a-g: E**

**Prerequisites: grade of "B" or better in French 3. IB students are required to take this course their Junior year. Sophomores and Seniors may take this class when they have achieved the proper prerequisites**

This advanced French course is a two-term course designed to enable students to become highly proficient in their communication skills as they explore French speaking cultures and global issues. Students will improve their speaking, reading, writing and listening skills via immersion in the language. Students may choose to take only the first-term course as French 4 or to continue for the year-long course at the end of which they will also have the option of taking the AP exam. IB candidates are required to take the IB exams in May of grade 11.

### **IB FRENCH SL-1, SL-2**

**Course ID: 258114 (SL-1) 258124 (SL-2)**

**Open to grades: 11-12**

**UC a-g: E**

**Prerequisites: Prerequisite: French 3 with a grade of "B" or better**

Recommendation: This advanced two-term course may be taught along with Honors French 4 (SL-1) and AP French (SL-2), corresponding to years 4 and 5. Emphasis is placed on realistic contexts utilizing authentic materials such as recordings, film, newspapers, magazines, internet sources, podcasts, literary works and historical readings. This course is a total immersion course (conducted exclusively in French) that develops speaking and listening skills via dialogues, projects, presentations, interviews, role-plays, simulations and debates. Writing skills are honed via a variety of styles (articles, reports, advertisements, and formal and informal letters) and use of the appropriate register (formal or informal). IB students should be qualified to also take the AP French exam.

**HONORS JAPANESE 4 & AP JAPANESE****Course ID: 253543 (Hon Jap 4) 257463 (AP)****Open to grades: 11-12****UC a-g: E****Prerequisites: grade of “B” or better in Japanese 3, IB students are required to take this course their Junior year. Sophomores and Seniors may take this class when they have achieved the proper prerequisites**

This advanced course is designed to prepare students to develop communication skills, to deepen understanding of Japanese culture, and to become effective members of a global community. In this course, students will learn how to use the four linguistic skills; speaking, listening, writing and reading, including 400 kanji characters, in real life situations. Students may choose to take only the first-term course as Honors Japanese 4 or to continue for the year-long course at the end of which they will also have the option of taking the AP exam. All students are required to take the IB exams in May of grade 11.

**IB JAPANESE SL-1, SL-2****Course ID: 258214 (SL-1) 258224 (SL-2)****Open to grades: 11-12****UC a-g: E****Prerequisites: : Japanese 3 with a grade of “B” or better**

Recommendation: This advanced two-term course may be taught along with Honors Japanese 4 (SL-1) and AP Japanese (SL-2), corresponding to years 4 and 5. Emphasis is placed on realistic contexts utilizing authentic materials such as recordings, film, newspapers, magazines, internet sources, podcasts, literary works and historical readings. This course is a total immersion course (conducted exclusively in Japanese) that develops speaking and listening skills via dialogues, projects, presentations, interviews, role-plays, simulations and debates. Writing skills are honed via a variety of styles (articles, reports, advertisements, and formal and informal letters) and use of the appropriate register (formal or informal). IB students should be qualified to also take the AP Japanese exam.

**HONORS SPANISH 4 & AP SPANISH****Course ID: 256353 (HON SPAN 4)****Course ID: 257363 (AP SPANISH)****Open to grades: 11-12****UC a-g: E****Prerequisites: grade of “B” or better in Spanish 3. IB students are required to take this course their Junior year. Sophomores and****Seniors may take this class when they have achieved the proper prerequisites**

This advanced course is a two-term course that provides students with the language learning experiences that will enable them to communicate in Spanish in a wide range of situations. By the end of this course students will be able to carry on meaningful conversations on many topics, understand and be understood by non-native and native speakers, be able to write naturally in various formats, and be more culturally aware with a focus on a global perspective. Students may choose to take only the first-term course as Spanish 4 or to continue for the year-long course at the end of which they will also have the option of taking the AP exam. All students are required to take the IB exams in May of grade 11.

**IB SPANISH SL-1, SL-2****Course ID: 258314 (SL-1) 258324 (SL-2)****Open to grades: 11-12****UC a-g: E****Prerequisites: Spanish 3 with a grade of “B” or better****Recommendation: This advanced two-term course may be taught along with Honors Spanish 4 (SL-1) and AP Spanish (SL-2), corresponding to years 4 and 5.**

Emphasis is placed on realistic contexts utilizing authentic materials such as recordings, film, newspapers, magazines, internet sources, podcasts, literary works and historical readings. This course is a total immersion course (conducted exclusively in Spanish) that develops speaking and listening skills via dialogues, projects, presentations, interviews, role-plays, simulations and debates. Writing skills are honed via a variety of styles (articles, reports, advertisements, and formal and informal letters) and use of the appropriate register (formal or informal). IB students should be qualified to also take the AP Spanish exam.

## SECTION 3: SPECIAL PROGRAMS

### **LIBRARY SCIENCE 1**

**Course ID: 852613**

**Open to grades: 10-12**

**UC a-g: None**

**Prerequisites: Teacher approval and good attendance**

Designed for students to complete the clerical tasks involved in the operation of the library. Students will learn how to effectively locate information online and in the library. Students will receive training in 1) circulation of materials; 2) advanced research skills; 3) interpersonal skills in working with students and teachers. Prerequisite: Teacher approval and good attendance.

### **LIBRARY SCIENCE 2 AND 3**

**Course ID: 852623 (Lib 2) 852633 (Lib 3)**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Teacher approval and good attendance**

Designed to reinforce Library Science 1 skills, including locating resources and the daily operation of a library. In addition to this review the student will learn the following research skills: writing bibliographies, comprehensive reviews, and annotations. Computer skills learned in Library Science 1 will be expanded.

### **STUDENTS TEACHING STUDENTS – PEER-TUTORING ACROSS THE CURRICULUM**

**Course ID: 754303**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Application, teacher recommendation, instructor approval required and a score of Proficient (4) or higher on any two of your last CST tests.**

This one term elective is for students who wish to explore the field of teaching, while honing their tutoring skills in their subjects of expertise. The class is currently proposed to run in the 0, 3rd, 4th, and 5th period slots of the schedule. Therefore, there are many options for student tutors to take the class. In this class, students will intern in Granite Bay's "Learning Center." Students will receive instruction in basic teaching methodology as well as peer-tutoring theory and practice. Students will use that knowledge, as well as their content specific knowledge, to serve as tutors for students who struggle with the subject matter. As tutors, they will help with all aspects of the learning

process—from reading and general comprehension to mastery of subject matter. Tutors may be asked to work in other classrooms when needed.

Students will complete self-evaluations at each grading period and will be observed by the course instructor. Client evaluations will figure into the grade.

### **TEACHER AIDE**

**Course ID: 703003**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Good attendance and grades, approval of instructor and counselor and a score of Basic (3) or higher on two or more of your last CST tests.**

Designed to provide the student with an opportunity to communicate subject areas correctly and clearly to others, and to take on responsibilities, that include organizing and understanding materials teaching it to others, preparing quizzes, assisting substitute teachers, performing clerical work and giving individual instruction to students. A maximum of 10 credits may be applied toward graduation. Any violations of school rules may necessitate removal from this position

### **TEACHER INTERN**

**Course ID: 753353**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Application and instructor approval required and a score of Basic (3) or higher on your last CST English test or at least one score of Proficient (4) or higher on any test.**

This course is designed for students who have exceptional skills and talents in a specific subject area. This course provides students with training in the principles of teaching and adolescent psychology. This will afford them an opportunity to apply their skills as tutors and teaching assistants. Teachers will provide an initial orientation in effective teaching techniques. Interns will be expected to work closely with the teacher to whom they are assigned. Regular tutorial assistance to needy students and occasional assistance with instruction will be a minimum expectation. As the development of skills and knowledge expand, interns may take on a greater role. Students must

be on target to complete A-G requirements or teacher/admin approval.

## **SPECIAL EDUCATION**

Designed to provide instruction for students with special learning needs. An Individualized Educational Plan (IEP) is written for each student based upon appropriate assessments. Eligibility is determined by academic and psychological testing. Students may be referred for placement evaluation by teachers, parents, or counselors. Special Ed students are mainstreamed to the fullest extent possible. Special education provides classes to support academic and functional needs for students to be as successful as possible in general education classes.

### **ACADEMIC LAB A**

**Course ID: 211243**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Teacher Recommendation**

English/Language Arts Intervention:

English/Language Arts skill building and core support.

### **ACADEMIC LAB B**

**Course ID: 403303**

**Open to grades: 9-12**

**UC a-g: None**

**Prerequisites: Teacher Recommendation**

Math Intervention: Math/Algebra Readiness skill building and core support.

### **ACADEMIC LAB C**

**Course ID: 808803**

**Open to grades: 9-10**

**UC a-g: None**

**Prerequisites: Individual Education**

**Program (IEP) team recommendation.**

California High School Exit Exam (CAHSEE) prep; study skills, IEP goals, and homework support.

### **ACADEMIC LAB D**

**Course ID: 808813**

**Open to grades: 11-12**

**UC a-g: None**

**Prerequisites: Individual Education Program (IEP) team recommendation.**

California High School Exit Exam (CAHSEE) prep (if student has not yet passed; IEP goals, transition services, and homework support.)

# ELECTIVE PATHWAYS (EP's)

## **What are Elective Pathways?**

Elective Pathways are programs similar to a college major, with a special emphasis on real-world application. Students seeking EP certificates will benefit from a thematic approach to learning that stretches across multiple courses in a specific subject area. These programs especially emphasize practical hands-on learning that students must demonstrate through a capstone activity before completing the EP program.

## **Who can benefit from EP programs?**

Any student can benefit! Whether you wish to enter a profession directly after high school or go to college, an EP program provides opportunities for many students. Students can gain valuable experience in a variety of professions, and this gives them a competitive advantage. Even if students decide not to continue in this field, at least they will make a better-informed decision before choosing a college major or a profession.

Students who complete an EP program will earn the following benefits:

- A certificate of mastery upon completion of coursework and capstone activity
- Special designation on transcripts sent to colleges
- Recognition at commencement

## **Will an EP certificate help enhance my chances to get into a good college?**

Of course! Students applying to colleges and universities can gain an advantage over other applicants by showing specific interest in one or more subject areas. While EP programs are not a substitute for GPAs and SAT scores, UC campuses and private universities do look favorably on applicants with focused areas of study. Notice what these college admissions officials had to say about EPs:

“Students who have built a specific background are viewed very positively.”  
-Gary Tudor, Director of UC Davis Admissions

“Showing an intellectual passion on top of academics definitely helps applicants.”  
-Gabby Gutierrez, Stanford University Admissions Officer

“Commitment to a specific area is helpful. We pay close attention to extra commitment.”  
-Dara Crowder, University of Southern California Admissions Officer

## **Can EPs help enhance my chances to get a better job?**

Absolutely. Students wishing to enter the workforce directly can gain an advantage by building practical skills needed for better-paying jobs. Several CAD students have gotten jobs at local architectural or construction firms after completing 4 semesters of computer drafting. Computer students have gotten jobs at local technology companies. Employers are more likely to hire students who have developed specific skills that are immediately useful in the workplace.

## **How does it work?**

Students simply talk to the EP coordinator (see the following list) and make sure they complete the courses in the sequences as required. Students are NOT locked into the courses; they take them at their own desired pace (although some courses do have prerequisites). If students decide to complete the EP, they will finish the required capstone activity, and get the final certification approval from EP coordinator when finished. The capstone experience may or may not include an internship component. To read a further description of an internship, check the 'special programs' section of the program planning guide.

**EPs Currently Offered at GBHS:**

**EP's:**

Business .....	Bill Patterson
Communication .....	Zachary Weidkamp
Computer Technology .....	Zachary Weidkamp
Culinary Arts .....	Claudia Bennett
Engineering .....	Steve Dolan
Performing Arts .....	Jim Prichard
Visual Arts .....	Myron Stephens

(see table below for course requirements):

**Coordinator:**

**Business EP**

	<b>Focus Area:</b> Business Administration
<b>Required Core Classes (30 Units)</b>	Business Concepts Computer Applications 1 or 2 Business Law
<b>Choice of 2 Electives (20 Units)</b>	Computer Applications 2 Leadership Media Production Speech and Debate AP Statistics Web Page Design
<b>Choice of Capstone Experience (10 Units)</b>	GBiT 49ER ROP: Business Technology Accounting

**Communications EP**

	<b>Focus Area: Broadcast Media</b>	<b>Focus Area: Multimedia</b>	<b>Focus Area: Print Media</b>	<b>Focus Area: Oral Communications</b>	<b>Focus Area Animation</b>
<b>Required Core Courses (30 units)</b>	Media Production Advanced Media Production (Studio Production Focus) Advanced Media Production (Communication Project Focus)	Multimedia 1 Adv Multimedia 3-D Animation	Yearbook Adv. Journalism <b>(Requires a leadership role in one course)</b>	Speech/Debate Competitive Forensics (Repeat Course)	3D Animation Adv. 3D Animation Multimedia
<b>Choice of 2 Electives (20 units)</b>	Multimedia 1 Adv Multimedia Yearbook Competitive Forensics Photography Adv. Photography Journalism Adv. Journalism Student Government	Media Production Adv. Media Web Page Design Adv. Web Page Basic Art Journalism Photography Adv. Photography AP Art History Advanced Art Adv. Journalism	Multimedia Adv. Multimedia Speech/Debate Media Production Adv. Media Production Web Page Design Adv. Web Page Photography Adv. Photography	Drama 1 Professional Drama Media Production Adv. Media Production Student Government Adv. Journalism Peer Helping Leadership	Media Production Adv. Media Production Web Page Design Adv. Web Page Basic Art Journalism Photography Adv. Photography AP Art History Advanced Art Adv. Journalism
<b>Choice of Capstone Experience (10 units)</b>	Portfolio Internship (Optional)	Portfolio Internship (Optional)	Print Communication Project intended for publication	Portfolio Competitive Team	Portfolio Internship (Optional)

**Computer Technology EP**

	<b><u>Focus Area:</u> Tech Support</b>	<b><u>Focus Area:</u> Web Design</b>
<b>Required Core Courses (30 units)</b>	Comp. Apps I Web Design GBiT (Tech Group)	Comp. Apps 1 Beg. Web Design GBiT (Web Group)
<b>Choice of 3 Electives (30 units)</b>	Comp. Apps II Adv. Web Design Multimedia & Adv. Multimedia GBiT: Tech Group Business Leadership (GBiT can be repeated for credit)	Comp. Apps II Adv. Web Design Multimedia & Adv. Multimedia GBiT: Web Group (GBiT can be repeated for credit)
<b>Choice of Capstone Experience (10 units)</b>	GBiT (preferably as a student manager)  ROP Computer Technology	GBiT (preferably as a student manager)  ROP Computer Technology

**Culinary EP**

	<b><u>Focus Area:</u> Culinary Arts</b>
<b>Required Core Courses (30 units)</b>	Eat For Fitness Culinary Techniques Adv. Culinary Techniques/or Department Internship
<b>Choice of 2 Electives (20 units)</b>	Computer Applications Life Skills Leadership Computer Applications 2 Business Concepts Chemistry Physiology Social Psychology
<b>Choice of Capstone Experience (10 units)</b>	Internship at Food Service Establishment (To be arranged)

**Engineering EP**

	<b><u>Focus Area:</u> CAD</b>	<b><u>Focus Area:</u> Construction Technology</b>
<b>Required Core Courses (30 units)</b>	Design & Engineering 1 Design & Engineering 2 Pre-Engineering	Construction 1 Construction 2 Design & Engineering 1
<b>Choice of 2 Electives (20 units)</b>	Construction 1 Construction 2	Design & Engineering 2
<b>Choice of Capstone Experience (10 units)</b>	ROP Construction Tech Teacher Intern Internship	

### Performing Arts EP

	<u>Focus Area:</u> Choir	<u>Focus Area:</u> Drama	<u>Focus Area:</u> Band	<u>Focus Area:</u> Dance
<b>Required Core Courses (50-60 units)</b>	Concert Chamber Madrigal (repeat course)	Drama Prof. Drama Musical Theatre Adv. Drama (repeat course)	Concert Marching Jazz (repeat course)	Beginning Intermediate Advanced (repeat course)
<b>Choice of Elective (10 units)</b>	Piano Lab Percussion Ensemble Musical Theatre (May repeat any choir class)	Visual Art (Any) Adv. Drama Concert Choir Speech & Debate Media Production Design & Engineering Dance	Choir (Any) Piano Lab Music Appreciation Musical Theatre	Visual Art (Any) Concert Choir Aerobics Musical Theatre (May repeat any dance class)
<b>Capstone Experience (10 units)</b>	Internship (to be arranged)			

### Visual Arts EP

	<u>Focus Area:</u> Studio Art	<u>Focus Area:</u> Ceramics	<u>Focus Area:</u> Photography
<b>Required Core Courses (30 units)</b>	Basic Art Advanced Art Art 3	Ceramics 1 Ceramics 2 Ceramics3	Photography Adv. Photo Adv Photo2 (repeat)
<b>Choice of 2 Electives (20 units)</b>	Art 3 (repeat) Ceramics 1 Photography AP Studio Art Ceramics 2 Adv. Photography AP Art History Ceramics 3 Multimedia Web page Design	Basic Art Ceramics 3 (rpt) Photography Advanced Art Adv. Photography Art 3 AP Art History Multimedia Construction Tech.	Basic Art Ceramics 1 Multimedia Advanced Art Ceramics 2 Adv. Multimedia Art 3 Ceramics 3 AP Art History
<b>Choice of Capstone Experience (10 units)</b>	Portfolio Art Show Internship		



**Granite Bay High School**  
**49er REGIONAL OCCUPATIONAL PROGRAM COURSE CATALOG 2011-2012**  
**Classes Available to Students Attending High School**  
**Check Our Website for ROP Updates**

**WHAT IS ROP?**

The Regional Occupational Program (ROP) provides an opportunity for students to explore the world of work while mastering the necessary skills needed for college, advanced training, business and industry. By applying the academic knowledge and technical skills acquired while in high school to a real-work environment, students may upgrade their existing skills and/or prepare for advanced training. All of this is accomplished through a combination of classroom instruction by qualified instructors and supervised hands-on training in laboratory or at a training site.

- *ROP is available for high school seniors, juniors, and qualifying sophomores.*
- *Some ROP classes require students to report to a training site (called “community classroom” courses), and some ROP courses are taught entirely on-campus.*
- *Sophomores may be eligible if they meet these conditions: **Sophomores who are 16 years of age** may enroll in the “on-campus” classes with an administrator or counselor referral and approval.*
- *Seniors and juniors have enrollment priority.*
- *Classes are taught in ‘blocks’ which vary in length, from a single block to a 3-hour class/training time period each day. ROP classes may be taken within the student’s regular class day or during a period of time that extends past the regular school day.*
- *Students must be able to provide their own transportation to the training site if they are enrolled in a course that has a community-based training component and/or to classes held in a location other than the student’s home campus.*
- ***In order to receive a Certificate of Completion in an ROP course, the student must complete the course curriculum, required hours, and fulfill additional requirements for the Certificate as required by the instructor***
- *Most classes do not accept students beginning in the spring semester.*

**ROP PROVIDES...**

- Preparation for post-secondary education and/or training
- Valuable hands-on experience to improve students’ employability.
- Credit toward high school graduation
- UC-approved courses that meet required A-G guidelines.
- Community college credits: Most classes have articulation agreements in place for community college credit
- Certificates of Completion awarded, including a skills sheet showing mastered competencies.
- Community classroom courses include an internship at local businesses

**SPECIAL FEATURES**

- Many classes offer internships in local community businesses or industries. After several weeks of classroom training students are placed at training sites for on-the-job training. During weekly class time students continue learning industry-specific skills.
- Classes are held on high school campuses and at the ROP Centers in Auburn and in Nevada City.
- If ROP students enroll in an off-campus course or an ROP course that requires students to report to training sites, students are expected to have reliable transportation to that site.
- Students are covered by workers’ compensation insurance.

### **ARCHITECTURE, CONSTRUCTION, AND ENGINEERING – FUNDAMENTALS (Fall)**

**Course ID:** 754373 (Fall)

**Class Location:** *Granite Bay H.S.*

**Grade Level:** 11-12

**Length of Course:** One semester (Daily, Monday – Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Beginning wood-working, CAD Drafting, welding

**College Articulation:** Students may receive college credit at Sierra College.

This class offers an opportunity for training and/or employment in the architecture, construction, and engineering industries. This class provides students with on-the-job training with local companies. Instruction focuses on basic construction theory and practice, CAD drafting, surveying, blue print reading, safety, building code application and engineering principles. Employment opportunities may include residential/commercial construction, architecture, engineering, or drafting, construction supply warehouse, cabinet shop, welding shop, heavy equipment operation, electrical, plumbing, heating and air conditioning, building maintenance, and landscaping.

### **ARCHITECTURE, CONSTRUCTION, AND ENGINEERING – APPLICATIONS (Spring)**

**Course ID:** 754383 (Spring)

**Class Location:** *Granite Bay H.S.*

**Grade Level:** 11-12

**Length of Course:** One semester (Daily, Monday – Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Beginning wood-working, CAD Drafting, welding

**College Articulation:** Students may receive college credit at Sierra College.

This class offers an opportunity for training and/or employment in the architecture, construction, and engineering industries. This class provides students with on-the-job training with local companies. Instruction focuses on basic construction theory and practice, CAD drafting, surveying, blue print reading, safety, building code application and engineering principles. Employment opportunities may include residential/commercial construction, architecture, engineering, or drafting, construction supply warehouse, cabinet shop, welding shop, heavy equipment operation, electrical, plumbing, heating and air conditioning, building maintenance, and landscaping.

### **AUTOMOTIVE SERVICES**

**Course ID:** 754103 (AM) **754203 (PM)**

**Class Location:** *Placer H.S.*

**Grade Level:** 11-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Full school year (Daily, Monday – Friday)

**Internship Included:** No

**Recommended Preparation:** Electronics, shop/tech core classes

**College Articulation:** Students may receive college credit at Sierra College and American River College.

This on-campus class offers instruction in engine performance, engine repair, automotive maintenance, electrical systems, transmissions and drivelines. Hands-on involvement in automotive services takes place in the Nevada Union, Placer, Colfax auto shops. Employment opportunities may include entry-level technician, auto parts and service sales person.

### **AUTOMOTIVE TECHNOLOGY**

**Course ID:** 754103 (AM) **754203 (PM)**

**Class Location:** *Placer H.S.*

**Grade Level:** 11-12

**Length of Course:** Full school year (3 hours each day, Monday - Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Electronics, computer studies, shop/tech core classes

**Prerequisite:** Auto services and recommendation of instructor

**College Articulation:** Students may receive college credit at Sierra College and American River College.

An advanced class in automotive technologies offers instruction in all eight A.S.E. (Automotive Service Excellence) areas, introduction to on-board computers and testing, smog control testing procedures, engine overhaul and automotive technologies. Internship opportunities may include: auto dealerships, automotive repair or body shops, retail parts businesses, machine shops, brake and front end shops, motorcycle repair shops or specialty shops. Employment opportunities may include automotive machinist's helper, engine specialist, auto technician apprentice, brake and front end specialist, auto body/paint apprentice, collision repair, parts and inside sales, and emission control technician.

## **BAKING AND PASTRY CAREERS**

**Course ID:** 754203 (PM)

**Class Location:** *Whitney H.S.*

**Grade Level:** 11-12

**Length of Course:** Full school year (**class meets every other day; off campus students must have schedules that can accommodate the rotation**)

**Internship Included:** No

**Recommended Preparation:** Beginning culinary arts or food preparation

This course is designed to prepare students for the specific entry-level skills needed to excel in this exciting career within the food service industry. With a Certificate of Completion from 49er ROP, the student will be prepared to meet the demands that employers want and need. Students will learn the culinary skills that are foundational to baking and patisserie including breads, cakes, specialty breads, hot and cold plated desserts, cake decorating, chocolates, and tarts. Students who complete the program will have met the American Culinary Certification for ServSafe. Jobs in this specialty area include: bread and pastry bakers, dessert specialists, catering specialists, patisserie specialists, institutional and cafeteria baker, bakery chef, and gourmet specialty bakery.

## **BUSINESS COMMUNICATIONS**

**Course ID:** 754103 (AM)

**Class Location:** *Rocklin H.S./Rocklin Alternative Education Center*

**Grade Level:** 11-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Full school year (Daily, Monday – Friday)

**Internship Included:** No

**Recommended Preparation:** Basic English and math skills

**Graduation Credit:** English credit (**Rocklin Unified School District**)

**College Articulation:** Students may receive college credit at Sierra College.

This on-campus computer class trains students in Business Communications by using computer skills needed in a modern office environment. Students will read, write, and generate business documents for various scenarios and situations by utilizing common business office software (word processing, spreadsheets, and students will also cover various case studies and business scenarios to think critically about business ethics and conduct, and will consider business management perspectives in writing assignments. Employment opportunities may include clerical/support staff, control clerk, account clerk, or any one of the many other entry-level positions requiring business and computer skills and knowledge.

## **BUSINESS DATA SYSTEMS (Spring)**

**Course ID:** 754343 (Spring)

**Class Location:** *Granite Bay H.S.*

**Grade Level:** 11-12

**Length of Course:** One semester (Daily, Monday – Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Business classes

**College Articulation:** Students may receive college credit at Sierra College and American River College.

Prepare for business today; learn a variety of office practices and procedures. This course specializes in computer applications, with emphasis in Excel, scanning, and electronic photography. Learn standard office procedures and practices, communication skills, and computer applications, hardware/software upgrade procedures, calculator use, job retention and departure skills, and business etiquette. Internships are offered in a wide variety of business environments ranging from small to large companies including law, real estate, insurance companies, and county agencies. Employment opportunities may include receptionist, bookkeeping/account clerk, secretary, or other general clerical or related positions.

### **BUSINESS ENTREPRENEURSHIP**

**Course ID:** 754103 (AM)

**Class Location:** *Lincoln H.S.*

**Grade Level:** 11-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Full school year (Daily, Monday – Friday)

**Internship Included:** No

**Recommended Preparation:** Accounting or business classes

**College Articulation:** Students may receive college credit at Sierra College.

**UC Course Approval:** This course qualifies as a UC “g” elective for the UC admissions application

This class is a simulated business that is set up and run by students. The students determine the nature of their business, its products and services, its management and structure and learn the daily operations of a business. Instruction focuses on marketing research, advertising, buying and selling products or services, business accounting including accounts receivable and payable, wages, business taxes and loan applications. Students will be using current business software packages and the Internet for business transactions. Employment opportunities include retail sales associates, assistant manager, outside sales representative, inside sales representative, public relations assistant, ticket agent, or marketing assistant.

### **BUSINESS FINANCE AND ACCOUNTING**

**Course ID:** 754203 (PM)

**Class Location:** *Woodcreek H.S.*

**Grade Level:** 11-12

**Length of Course:** Full school year (2 hours each day, Monday - Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Recordkeeping, bookkeeping, ROP Accounting

**College Articulation:** Students may receive college credit at Sierra College.

This class will introduce students to the vast world of business finance and accounting in the community and the many careers available ranging from entry-level clerk positions to high paying careers as an accountant. Students will learn the basics of financial bookkeeping and progress through topics that will prepare them to work in various areas in the world of business and finance. Students will be prepared for entry-level work in bookkeeping, accounts receivable, accounts payable, payroll and many other areas in finance. Students will learn accounting procedures for a sole proprietorship, partnership and a corporation to prepare them to be successful in many different workplace settings. Internship opportunities may include private businesses, government offices and accounting offices.

### **BUSINESS SOLUTIONS - Fall**

**Course ID:** 754333 (Fall)

**Class Location:** *Granite Bay H.S.*

**Grade Level:** 11-12

**Length of Course:** One semester (Daily, Monday – Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Business classes

**College Articulation:** Students may receive college credit at Sierra College and American River College.

Prepare for business today; learn a variety of office practices and procedures. This course specializes in computer applications, with emphasis in Excel, scanning, and electronic photography. Learn standard office procedures and practices, communication skills, and computer applications, hardware/software upgrade procedures, calculator use, job retention and departure skills, and business etiquette. Internships are offered in a wide variety of business environments ranging from small to large companies including law, real estate, insurance companies, and county agencies. Employment opportunities may include receptionist, bookkeeping/account clerk, secretary, or other general clerical or related positions.

## **CHILD DEVELOPMENT AND EDUCATION**

**Course ID:** 754103 (AM) 754203 (PM)

**Class Location:** *ROP Center, Auburn*

**Grade Level:** 11-12

**Length of Course:** Full school year (3 hours each day, Monday - Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Math, psychology, child development, communication skills

**Requirements:** Negative TB test; hepatitis vaccinations recommended

**College Articulation:** Students may receive college credit at Sierra College and Yuba College.

**UC Course Approval:** “Developmental Psychology of Children” (an advanced section of this course with supplemental curriculum requirements) qualifies as a UC “g” elective course for the admissions application. Students are admitted to this section with instructor approval.

This class offers instruction in the stages of early child development, activities for young children, health and safety awareness of children, educational philosophies and teaching styles and techniques. Internship sites may include preschools, child care centers, family day care homes, elementary classrooms, after-school programs or special education classes. Employment opportunities may include childcare aide, preschool teacher, elementary teacher's aide, or special education teacher's aide.

## **CULINARY ARTS, ADVANCED**

**Course ID:** 754203 (PM)

**Class Location:** *Del Oro H.S.*

**Grade Level:** 11-12

**Length of Course:** Full school year

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Prerequisite:** Previous culinary classes and/or culinary work experience are required. Student must be recommended by his/her foods/culinary teacher or the ROP instructor in order to enroll.

This class is advanced and includes hands-on training for the professional kitchen along with training site placement in a commercial kitchen, restaurant, catering or other appropriate facility. Training includes sanitation, organization, preparation, planning and cooking. This class is designed for the student exploring a career in food service, and/or planning to attend a culinary academy or community college program.

## **COMMUNICATIONS: WEB 2.0 - Fall**

**Class Location:** *Online*

**Grade Level:** 10-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Semester course

**Internship Included:** No

**Recommended Preparation:** Computer applications or equivalent experience

**Requirements:** Parents must grant permission allowing students to access internet outside school network. **Students must have access to a dependable broadband internet-connected computer outside of school.**

**College Articulation:** Students may receive college credit at Sierra College.

This 100% online class will teach you the new collaborative tools available on today’s Internet, including podcasting, RSS feeds, blogs and wikis, and shared workspaces. In addition, you will learn how to find, download, and use tools to perform all of your software tasks—safely, legally, and free! This class is aimed at the self-motivated student who is intrigued by the possibilities of the world-wide network, and who has dependable access to a computer and the Internet from a location off-campus, since it will include the use of tools not generally available from the school’s network. Students will be assisted by the instructor via online chat, email, feedback to responses, and telephone. All students must have parents sign a waiver allowing students to access the Internet from home.

## **COMPUTER PROGRAMMING**

**Class Location:** *Online Class*

**Grade Level:** 11-12

**Length of Course:** Full year. **Class will meet Monday evenings from 6-8pm at Independence HS (near Roseville HS campus), with the remainder of material being presented online.**

**Internship Included:** No

**Recommended Preparation:** Math and computer applications

**Prerequisites:** Computer Applications/recommendation of instructor

Enter the exciting and lucrative world of programming and game development in this new course in Computer Programming. Students will make a video game, a virtual pet, and a sound editor (you can hear yourself speak backwards), and will explore careers in programming, including the booming world of wireless applications (iPhone, Android, and iPad apps). The course will emphasize object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. The course will follow the College Board's AP Computer Science curriculum (AP approval is pending), so that students can take the AP Computer Science exam in the spring.

## **DENTAL CAREERS**

**Course ID:** 754203 (PM)

**Class Location:** *ROP Center, Auburn*

**Grade Level:** 11-12 (priority given to seniors)

**Length of Course:** Full school year

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Requirements:** Communication skills, good finger and gross motor dexterity; Hepatitis vaccinations/waiver, negative TB test. *High school students, other than independent study students, must enroll in the afternoon class*

**Recommended Preparation:** Biology and/or life science

**Graduation Credit:** Life Science

**College Articulation:** Students may receive college credit at Sierra College.

This class offers instruction in dental office procedures, practices, standards and ethics as well as dental terminology, anatomy, physiology and disease process, dental asepsis and sterilization, 4-6 handed dental assisting, patient care, front office skills and telephone techniques. Internships may be located in dental offices/clinics or dental labs. Employment opportunities may include dental assistant, lab technician assistant, dental office assistant, dental receptionist or dental insurance biller. Classroom location is in Auburn; training site placement available in Placer or Nevada County.

## **DIGITAL COMMUNICATIONS**

**Course ID:** 754103 (AM)

**Class Location:** *Lincoln H.S*

**Grade Level:** 11-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Full school year (2 periods each day, Monday - Friday)

**Graduation Credit:** English (Lincoln High School)

**Internship Included:** No

**College Articulation:** Students may receive college credit at Sierra College.

The Digital Communications course introduces students to modern communication methods, using basic applications skills as a stepping stone to proficiency in digital business communications. Enhance your existing skills with advanced tasks, including document layout, web site production, audio and video editing, financial documentation, and information management. This course is designed to serve students who want to graduate with the technical skills needed to succeed in the business or creative world.

## **ENERGY AND ENVIRONMENTAL TECHNOLOGY I (Fall Semester)**

**Course ID:** 754203 (PM)

**Class Location:** *Foresthill H.S.*

**Grade Level:** 11-12

**Length of Course:** Semester course available for fall semester (1 ½ hours daily, Monday – Friday)

**Preferred Classes:** Algebra

This course will explore a variety of energy sources, including water, wind, solar, various gasses, coal, and biomass. Students will study the environmental effects for each energy source and how energy is converted, stored, and distributed, and will learn how to predict the energy generated using math skills and hands-on learning. Related employment opportunities may include photovoltaic installer/contractor, solar thermal technician, and public energy utilities employee.



### **HEALTH CARE ESSENTIALS**

**Course ID:** 754103 (AM)

**Class Location:** *ROP Center, Auburn*

**Grade Level:** 11-12

**Length of Course:** **One Semester** Available fall semester (1/2-year term--3 hours each day, Monday - Friday)

**Internship Included:** No

**Recommended Preparation:** Biology or life science

This course introduces students to the diverse occupations in health care and to the standards required of workers in the field. Topics covered include career research, ethics, infection control, human development, vital signs and introduction to the human body systems. The course will also include medical terminology, common diseases and disorders, and medical interventions.

### **HEALTH CAREERS**

**Course ID:** 754103 (AM)

**754203 (PM)**

**Class Location:** *ROP Center, Auburn*

**Grade Level:** 11-12 (priority is given to seniors)

**Length of Course:** Full school year (3 hours each day, Monday - Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Biology or life science

**Graduation Credit:** Life Science

**Requirements:** Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver; may require an application process, as seats are limited in order to provide for a quality training site experience.

**College Articulation:** Students may receive college credit at Sierra College.

***Enrollment is extremely limited and selection is based on application and interview.***

The Health Careers course offers rigorous and relevant instruction in applied anatomy and physiology, medical procedures, disease processes, medical terminology, practices, standards and ethics, patient care and practices, vital signs, CPR, front and back office protocols and computer operations. Internship opportunities offer cross training in a wide variety of areas of the hospital and convalescent hospitals, emergency facilities as well as outpatient medical settings. Employment opportunities include medical records clerk, laboratory assistant, dietary aide, physical therapy aide, transport orderly, unit secretary and EKG technician.

### **LAW ENFORCEMENT CAREERS**

**Course ID:** 754203 (PM)

**Class Location:** *Roseville H.S.*

**Grade Level:** 11-12

**Length of Course:** Full school year (1 ½ hours daily, Monday – Friday)

**Transportation Required:** Students must provide their own transportation to and from off-site activities.

**Internship Included:** No

**Requirements:** **Students may need to clear a background check.**

**College Articulation:** Students may receive college credit at Sierra College.

This full-year course is designed to provide classroom instruction and situational scenarios to prepare students for a law enforcement academy, or a career in the Administration of Justice system. The course will provide an in-depth overview of the American criminal justice system to facilitate decision-making for students who may be considering a career as a police officer, federal law enforcement officer, corrections officer, probation officer, or a criminal or civil law attorney. Units of instruction include: overview of the system, explanation and scope of contemporary crime; development, structure, and operation of law enforcement systems; role of law enforcement personnel; role of courts; the juvenile justice system, and the structure of the correctional system. Guest speakers from local law enforcement agencies such as police departments and the Sheriff's department will be utilized.

## **MARKETING CAREERS**

**Course ID:** 754103 (AM)

**754203 (PM)**

**Class Location:** *Rocklin Alternative Education Center. (a.m. class) and ROP Center, Auburn (p.m. class)*

**Grade Level:** 11-12

**Length of Course:** Full school year (3 hours each day, Monday - Friday)

**Graduation Credit:** Math

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**College Articulation:** Students may receive college credit at Sierra College.

Gain work-based skills needed in the marketing and merchandising field. The curriculum includes the economics of business, creative selling/customer service, merchandise care, inventory and control, display techniques, cashiering operations, security and safety procedures, marketing math, advertising and merchandise clerical skills, introduction to business ownership. Internships take place in all types of retail businesses. Employment opportunities include salesperson, inventory control clerk, shipping and receiving clerk, marketing specialist, visual designer, advertising, cashier, courtesy clerk.

## **MEDICAL ASSISTING, CLINICAL**

**Course ID:** 754103 (AM)

**754203 (PM)**

**Class Location:** *ROP Center, Auburn*

**Grade Level:** Senior and 18 years of age by December 31

**Length of Course:** Full school year (3 hours each day, Monday - Friday)

**Internship included:** Yes. Students **must provide their own transportation** to class and training sites.

**Requirements:** Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver. **Students may need to clear a background check.**

**Recommended Preparation:** Biology or life science, computer literacy and applications and Algebra I

**College Articulation:** Students may receive college credits at Sierra College.

This class offers instruction in applied anatomy and physiology, medical procedures, practices, standards and ethics, patient care and practices, vital signs, CPR, back office protocols. Internship opportunities are in doctor offices and medical clinics. Employment opportunities include a medical assistant working the front and/or back office in a medical office or clinic.

## **OPEN SOURCE PRODUCTIVITY TOOLS – (Spring)**

**Class Location:** *Online*

**Grade Level:** 10-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Semester course, available spring semester

**Internship Included:** No

**Recommended Preparation:** Computer applications or equivalent experience

**Requirements:** Parents must grant permission allowing students to access internet outside school network. **Students must have access to a dependable broadband internet-connected computer outside of school.**

**College Articulation:** Students may receive college credit at Sierra College.

This 100% online class will teach you the new collaborative tools available on today's Internet, including podcasting, RSS feeds, blogs and wikis, and shared workspaces. In addition, you will learn how to find, download, and use tools to perform all of your software tasks—safely, legally, and free! This class is aimed at the self-motivated student who is intrigued by the possibilities of the world-wide network, and who has dependable access to a computer and the Internet from a location off-campus, since it will include the use of tools not generally available from the school's network. Students will be assisted by the instructor via online chat, email, feedback to responses, and telephone. All students must have parents sign a waiver allowing students to access the Internet from home.

## **PRODUCT MARKETING**

**Course ID:** 754103 (AM)

**Class Location:** *Rocklin HS/Independence HS*

**Grade Level:** 11-12

**Length of Course:** Full school year (At Rocklin HS, the class meets Monday – Friday. At Independence HS, the class is “blended,” meaning students meet Tuesdays and Thursdays, with the remainder of material being offered online).

**Internship included:** No. Students will participate in planning and hosting multiple events during the school year in conjunction with the course material.

**College Articulation:** Pending

This course is for students interested in a career in Sales and Marketing, including the marketing of products, services, and events. Learn how to understand buyer behavior, conduct market research, and develop products and services that will create tremendous customer demand. Concepts covered will include: psychology of buyer behavior, market research techniques, how to conduct marketing focus groups, data analysis, demographic management, advertising strategies (including social media, like Twitter and Facebook), and integrated marketing. Students will learn marketing theory, practices, and principles, and will be asked to demonstrate critical thinking and evaluation skills to apply this knowledge to real world marketing situations. The course will include multiple case studies from famous events in marketing, including examples of both successful and disastrous marketing plans by large companies. Students will demonstrate their marketing skills through management of various marketing events, including student competitions and various promotional events.

## **SPORTS MEDICINE CAREERS**

**Course ID:** 754103 (AM) 754203 (PM)

**Class Location:** *Del Oro H.S./Placer H.S./Lincoln H.S.*

**Grade Level:** 11-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Full school year (2-period block) (*additional internship hours may be available for additional credits*)

**Recommended Preparation:** Biology, life science, anatomy; physiology, health

**Requirements:** Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver

**College Articulation:** Students may receive college credit at Sierra College.

**Graduation Credit:** Life Science (PUHSD)

**UC Course Approval:** This course qualifies as a UC “g” course (elective) for the UC admissions application.

Learn the basic fundamentals and skills necessary in the field of athletic training. Instruction includes basic anatomy and physiology, prevention and assessment treatment and care of athletic injuries, immediate and temporary care of injuries, nutrition, training room/office management practice, procedures, standards and ethics. Internship opportunities are with local high school athletic departments. Employment opportunities may include sports injury technician or athletic trainer aide in a high school athletic department, parks and recreation department, physical therapy clinic or fitness center.

## **SPORTS MEDICINE CAREERS, ADVANCED**

**Course ID:** 754103 (AM)

**Class Location:** *Del Oro H.S.*

**Grade Level:** 11-12

**Length of Course:** Full school year (2-period block)

**Internship included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Biology, life science, anatomy; physiology, health **Requirements:** Students must have passed the ROP Sports Medicine class with a grade of B or better and instructor approval. Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver

**Graduation Credit:** Life Science (PUHSD)

This course is for students who have successfully completed the ROP Sports Medicine class and are seeking further training and on the job training. The advanced course includes an internship placement at a local medical, physical/sports therapy office, or school athletic training department. Classroom instruction will build on concepts learned in Sports Medicine, and will combine theoretical learning with hands-on experience on the training site. Employment opportunities may include sports injury technician or athletic trainer aide in a high school athletic department, parks and recreation department, physical therapy clinic or fitness center.

### **VETERINARY SCIENCE**

**Course ID:** 754103 (AM) 754203 (PM)

**Class Location:** *ROP Center, Auburn*

**Grade Level:** 11-12

**Length of Course:** Full school year (3 hours each day, Monday - Friday)

**Internship Included:** Yes. Students **must provide their own transportation** to class and training sites.

**Recommended Preparation:** Animal science, biology, life science

**College Articulation:** Students may receive college credit at Yuba College.

**UC Course Approval:** "Integrated Animal Science" (an advanced section of this course) qualifies as a UC "d" lab science course for the admissions application. Students are admitted to this section with instructor approval. Prerequisite for the UC course section: Biology and Algebra, C grade or better

This class offers instruction in small and large animal health care, study of common diseases (pathology), veterinary procedures, diagnostic laboratory procedures, basic anatomy and physiology, medical and animal related terminology, animal grooming, animal handling and restraint techniques, client relations and office procedures. Internship opportunities may include veterinary clinics, horse ranches, animal control, feed and tack stores, pet shops, or pet grooming shops or an animal training facility. Clinical experience at internships may count towards meeting the prerequisite for admission to Veterinary Technician programs and Schools of Veterinary Medicine. Employment opportunities may include veterinary assistant, horse farm employee, veterinary hospital aide, kennel attendant, animal groomer, animal control officer, pet shop attendant or other ancillary occupations.

### **VIDEO PRODUCTION**

**Course ID:** 754103 (AM)

**Class Location:** *Lincoln H.S.*

**Grade Level:** 11-12 (sophomores under 16 years old must have counselor/ROP approval)

**Length of Course:** Full school year at Lincoln HS (3 trimesters, Daily, Monday – Friday)

**Internship included:** No

**UC Course Approval:** This course qualifies as a UC "P" course (Visual and Performing Arts) for the UC admissions application.

**College Articulation:** Students may receive college credit at Sierra College.

This on-campus class provides training to students in the following areas using digital technology in video cameras and editing: Video camera functions and operation; non-linear digital video editing; knowledge of video formats, tape formats, computer programs and operation; videography skills; script-writing and story production; audio production; lighting; studio production skills including camera, floor directing, audio, graphics, directing and producing. Employment opportunities include video production assistant, sound designer assistant, visual artist, multimedia specialist, and production assistant.