

# Granite Bay High School

Roseville Joint Union High School District

## *Course Catalog* *2017-2018*

*Your 4-year Planning Guide*



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

***“Granite Bay High School is a positive learning community of high Expectations that prepares ALL students for postsecondary success.”***

**Granite Bay High School  
#1 Grizzly Way  
Granite Bay, CA 95746**

**Phone: (916) 786-8676  
Fax (916) 786-0766**

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

**All staff members can be reached by email.  
Use the first initial and last name  
(ex. jsmith@rjuhsd.us)**



***Back Row: Jessup McGregor, Mike Fischer, Brian McNulty  
Front Row: Melanie Pando, Jennifer Leighton***

***Welcome Grizzly Families,***

***We are excited to offer you the 2017-2018 Granite Bay High School Course Catalog. This catalog is to assist students and parents in making the best academic choices possible in planning for your future after high school. Inside, you will find a wealth of information regarding our graduation requirements, college admissions guidelines, additional post-secondary options, and our list of outstanding courses and programs offered to students.***

***Our entire staff is dedicated to helping every student succeed at GBHS, and we are excited to begin planning for the 2017-2018 school year.***

***Thank you,***

***Jennifer Leighton  
GBHS Principal***

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# GBHS Registration for 2017-18

## *For Returning Students:*

### Next year's Seniors, Juniors, and Sophomores



**PLAN** and prepare for careful selection of your courses by reviewing the GBHS 2017-2018 Course Catalog and your Naviance Program Planner for relevant information. Talk to teachers if you have questions about courses, and discuss your choices with a parent. To view the GBHS 2017-2018 Course Catalog please visit our website at [www.granitebayhigh.org](http://www.granitebayhigh.org)



### **LOG IN** at <https://homelink.rjuhsd.us/>

The open portal period is *February 1st - February 8th*.

Use your **student** email address and password. Enter your course selections following your review of the catalog.

*Course selections should be considered a permanent choice.*



**REVIEW** - On February 21st you will receive a copy of your course selection sheet in your second period class. Take your selection sheet home, review with your parents and turn them in (with a signature) on February 22nd to your second period teacher.



**FINALIZE** your course selections with your counselor at the Grade Level Advising Sessions February 27th through March 9th. Counselors will review course selections to ensure graduation and college admission requirements are being met, and to get specific alternate choices from each student. Current Freshman, Class of 2020 will have individual meetings March 21st through April 27th, by appointment.



### **WELCOME BACK!**

Please check the GBHS website for updated information regarding schedule pick up and picture day.

Have an amazing year!

## **GENERAL INFORMATION**

The Granite Bay High School Course Catalog is provided as an education tool to assist students and parents in making informed decisions about a rigorous educational plan that will guide students toward successful academic achievements as well as post-secondary and future employment.

Our staff encourages students and parents to make thoughtful and informed decision during the course selection process. Site guidance counselors highly recommend that each student complete and update his/her Personal Educational Plan throughout his/her four years of high school. Class registration advising will be taking place in Late February 2017 and early March 2017 for all students needing additional guidance in their selection.

## **COURSE SELECTION 2017-2018**

It is very important that students follow the course selection requirements and or recommendations listed below to ensure proper enrollment for the 2017-2018 school year. We ask that students:

- 1) Read course selection forms carefully and adhere to all instructions listed before selecting any new courses.
- 2) Review transcript and complete or revise their four-year education plan. Students must complete all graduation and enrollment requirements. In addition they should select courses that support their plans for college and other training.
- 3) Be certain they meet the prerequisite for the courses selected. If a course requires teacher permission, they must obtain the proper signature on the course selection form and must follow the application, try-out, or placement procedures designed for the course.
- 4) Students **MUST** register on-line within the time frame allotted for all courses requested for the 2017-2018 school year.
- 5) Submit completed course selection form with a parent/guardian signature on or before the designated deadline.

The course descriptions contained in this catalog will provide clarification of courses offered at GBHS as well as provide students with assistance in making their final selections for registration. Students and parents may access this catalog on the Granite Bay High School we page [www.granitebay.org](http://www.granitebay.org).

Teaching staff needs for the 2017-2018 school year will be based upon the data gathered from course selection. The number of students requesting each course offered will determine which courses will be offered and the number of teachers needed to teach these courses.

## **GRADUATION REQUIREMENTS**

To graduate from Granite Bay High School, students must:

- Pass all courses required for graduation
- Earn a minimum of 260 total credits
- Successfully complete the online Personal Finance Course (see the RJUHS website at: [www.rjuhsd.us](http://www.rjuhsd.us))

### **260 credits including the following required subjects:**

(Five credits earned for successful completion of each course every 9-week grading period)

<b>English</b> .....	40 credits (grades 9, 10, 11, 12)
<b>Math</b> .....	20 credits – Includes successful completion of CCIM1 (or higher) and one additional math class beyond CCIM1 (CCIM2 or higher)
<b>Social Science</b> .....	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)
<b>Science</b> .....	20 credits to include:
Biological Science - .....	10 credits <u>and</u>
Physical Science - .....	10 credits
<b>Physical Education</b> .....	20 credits to include:
Physical Education 9 - .....	10 credits
Physical Education 10 - .....	10 credits
<b>Health and Wellness</b> .....	10 credits
<b>Fine Arts or World Language</b> .....	10 credits
<b>Additional Credits</b> .....	110 credits

## **4 x 4 BLOCK SCHEDULE**

Granite Bay High School is on a 4 x 4 Block schedule that has students taking up to four courses over an 18-week period. Students meet in four classes each school day. In December, students complete their fall courses and begin new courses for the spring term in January. Please visit our website at [www.granitebayhigh.org](http://www.granitebayhigh.org) for the current bell schedule and GBHS Calendar.

## **SCHEDULING PROCESS**

It is essential all students put serious consideration into their course selections during the spring registration process. The Counseling Department has made every effort to match student needs with available classes. **Therefore, there should be no reason for a schedule change unless there is an error on the student's schedule.** In the interest of not setting up educational roadblocks, Counselors start working with students prior to the beginning of the school year. The Counseling Department provided each student on this campus (except for incoming freshman) ample opportunity to change and adjust their "Course Request Verification" sheet and ended with a confirmation of course selection in June. Once school starts, the student must be committed to his/her schedule. **There should be no reason for a schedule change unless there is an error on the student's schedule.**

**Scheduling Errors** will receive immediate attention by the Counseling Department. The following are considered scheduling errors:

1. *Missing a course(s) needed for graduation.*
2. *"Blank"/missing a class period.*
3. *Student has not met the prerequisite for a course.*
4. *"Double up" of courses in the same period.*

The Counseling Department will correct any mistakes as quickly as possible. **Each student must stay in his/her classes until he/she has been notified that the schedule has been changed. Teachers will notify the Counseling Department if a student is inappropriately placed in a course.**

### **Pass the RJUHS D's online Personal Finance Course**

NOTE: This graduation requirement was approved by the RJUHS D school board in spring 2014, and applies to all graduates beginning with the class of 2016. For more information, see the RJUHS D website at: [www.rjuhsd.us](http://www.rjuhsd.us).

## **DROP F POLICY**

There are limited options available in the event that students inquire about leaving a class outside of the established course change window. Because of this, GBHS administration requires the student and parent/guardian to follow these steps before making the decision to create a "drop F" on the students transcripts.

1. *Plan your schedule accordingly by meeting the prerequisites in each course chosen.*
2. *Understand the rigor and challenges inherent in your schedule. Avoid overloading yourself, especially if other activities will take up significant time and energy.*
3. *Student and Parent/Guardian work with the teacher to identify strategies for success.*

After all efforts have been made to resolve the issues, if the student still chooses to drop a course, the student must still enroll in another course (options may be limited), and the student will receive a "Drop F" grade that shows up on the student's transcripts for any drops made after the first 10 days of the course. Any drop request made outside the 10 day window will only be made with teacher, counselor, and GBHS administration approval, and will not be considered unless all efforts were made by the student to resolve matters with the teacher.



# Granite Bay High School Counseling Department and Support Staff



- **Academic Advising**
- **College and Career**
- **Social Support**
- **Emotional Support**
- **Confidentiality**
- **Enrollment**
- **Special Services**
- **EL Support**
- **Learning Support**
- **School Psychologist**

Office Hours: 7:15 am - 3:45 pm  
Monday thru Friday

**Schedule an Appointment:** Students are welcome to walk in before school, during their assigned lunch or after school. Students may also fill out a request form at the front desk or email their counselor directly. Many counseling questions can be answered by visiting [www.granitebayhigh.org/Counseling](http://www.granitebayhigh.org/Counseling).

**Enrollment:** Please visit our website at [www.rjuhsd.us/domain/706](http://www.rjuhsd.us/domain/706) for instructions as this process is completed online only.

**Naviance:** A College and Career readiness tool provided to all GBHS students. Naviance allows GBHS students to align their strengths and interests to postsecondary goals, improving student outcomes and connecting learning to life. To get started or update your path please visit [www.granitebayhigh.org/Naviance](http://www.granitebayhigh.org/Naviance).

**Homelink:** A complete and immediate GBHS Student Profile source to view student grades and attendance. Annual class registration is also completed here. To view your account please visit [www.granitebayhigh.org/Homelink](http://www.granitebayhigh.org/Homelink).

Tiffani Gieck, **A - Do**  
tigiieck@rjuhsd.us  
ext. 5117

Holly Minor, **Tr - Z, EL Counselor**  
hminor@rjuhsd.us  
ext. 5130

Cindi Underwood, **College and Career**  
cunderwood@rjuhsd.us  
ext. 5109

Kathleen Orchard, **Dr - J**  
korchard@rjuhsd.us  
ext. 5119

Jan Lucas, **Special Services**  
jlucas@rjuhsd.us  
ext. 5842

Marie Hollwager, **Registrar**  
mhollwager@rjuhsd.us  
ext. 5122

Paul Stordahl, **K - Pa**  
pstordahl@rjuhsd.us  
ext. 5118

Shietel Chhana, **Psychologist**  
schhana@rjuhsd.us  
ext. 5840

Amy Rehwald, **Counseling Support**  
arehwald@rjuhsd.us  
ext. 5101

Tasman Nicolodi, **Pe - To**  
tnicolodi@rjuhsd.us  
ext. 5120

Robert Saenz, **Learning Support**  
rsaenz@rjuhsd.us  
ext. 5129



## College Admission Minimum Requirements (UC/CSU)

**The University of California system** includes nine four-year universities offering a variety of 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 a 'C' or better grades in the required courses. Students **must complete 15 college prep courses (11 by the end of the junior year) with a grade point average of 3.0 or higher. Please note that this is a college GPA which only includes college prep approved courses.** 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 (Cal Poly, CSU Sacramento, CSU Chico)** includes 23 four-year universities offering a variety of 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 prep 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

Hundreds of private colleges and universities are also available to students, and must have 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.petersons.com](http://www.petersons.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://home.cccapply.org/>.



### 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, and some are available here in the Sacramento area. For further information refer to <http://overview.com/colleges>

### Military

Explore the possibilities and commitments to serve your country with pride. The United States Army, Marine Corps, Navy, Air Force and Coast Guard offer excellent pay & benefits, 200 career options and scholarship opportunities. Visit the GBHS College and Career Center for more information.



## Minimum Subject Requirements GBHS/UC/CSU/NCAA

High School Subject Area	GBHS Graduation Requirements <small>Note: One year equals 10 credits</small>	UC Requirements for Freshman Admissions	CSU Requirements for Freshman Admission	NCAA Eligibility Requirements (D1)=Division 1 (D2)=Division 2
<b>Social Science</b> UC/CSU "a"	Three years (30 credits) to include: <ul style="list-style-type: none"> <li>World Studies or AP European History</li> <li>US History</li> <li>Government/Economics</li> <li>AP Human Geography</li> </ul>	Two years of history/social science, including one year of US History or one-half year of US History & one-half year of civics or American Gov't; and one year of world history, cultures, and geography	Two years, including one year of US History or US History and government and one year of other approved social science	(D1) Two years (D2) Two years
<b>English</b> UC/CSU "b"	4 years (40 credits) in grades 9, 10, 11, and 12	Four years of approved courses	Four years of approved courses	(D1) Four years (D2) Three years
<b>Mathematics</b> UC/CSU "c"	Two years (20 credits), including successful completion of CCIM1 or higher) and one additional math class beyond CCIM1	Three years, including minimum completion of CCIM1, CCIM2 and CCIM3 or higher Four years recommended	Three years, including minimum completion of CCIM1, CCIM2 and CCIM3 or higher	(D1) Three years (D2) Two years (CCIM1 or higher for both D1 and D2)
<b>Science</b> UC/CSU "d"	Two years (20 credits) including: <ul style="list-style-type: none"> <li>One year of biological</li> <li>One year of physical</li> </ul>	Two Years with lab required, chosen from biology, chemistry, and physics Three years recommended	Two years, including one year of biological and one year of physical science; one of which must be from the "D" subject area and another from either the "D" or "G" subject area	(D1) Two years (D2) Two years Natural or Physical Science (including 1 year of Lab Science if offered)
<b>World Language</b> UC/CSU "e"	One year (10 credits) of either visual and performing arts or foreign language	Two consecutive years in same language required (or through the second year of a language)* Three years recommended	Two consecutive years in same language required (or through the second year of a language)*	(D1) One year of additional English, mathematics or natural/physical science PLUS four years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).  (D2) Three years of additional English, mathematics or natural/physical science PLUS four years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).
<b>Visual and Performing Arts</b> UC/CSU "f"		One year of approved course	One year of approved course	
<b>Electives</b> UC/CSU "g"		110 Credits	One year of approved course	
<b>Physical Education</b>	Two years (20 credits): <ul style="list-style-type: none"> <li>PE 9</li> <li>PE 10</li> </ul>	No Requirement	No Requirement	
<b>Health &amp; Wellness</b>	One year (10 credits) in 9th grade	No requirement	No Requirement	
<b>Personal Finance Course</b>	No credits but must pass prior to end of grade 12	No Requirement	No Requirement	N/A
<b>Total</b>	<b>Minimum of 260 credits</b>	<b>15 classes (7 must be taken in the last two years but 11 must be taken prior to 12th grade)</b>	<b>15 classes</b>	<b>(D1) 16 core courses (10 core courses must be taken by end of 11th grade) (D2) 16 core courses</b>

**Reminders:** All courses required for UC/CSU Colleges MUST be passed with a "C" grade or better. Refer to the GBHS Course Catalog for complete list of approved "A-G" courses. For more detailed information, visit these respective websites: [www.ucpp.edu](http://www.ucpp.edu), [www.calstate.edu](http://www.calstate.edu), [www.eligibilitycenter.org](http://www.eligibilitycenter.org). Taking Spanish 1 in 8th grade and then taking Spanish 2 at GBHS will fulfill the language requirement.

# Granite Bay High School

## Courses Meeting UC Admission Requirements

### A. History/Social Science

2 years required

Two units (equivalent to two years) of history/social science required, including: one year of world history, cultures and historical geography and one year of U.S. history; or one-half year of U.S. history and one-half year of civics or American government.

AP European History  
AP Government  
AP US History  
 Government  
 \*\*\*IB HOA HL1  
IB HOA HL-2  
 US History  
 World Studies

### B. English

4 years required

Four units (equivalent to four years) of college preparatory English composition and literature required, integrating extensive reading, frequent writing, and practice listening and speaking with different audiences. Students may only use 1 year of ESL/ELD English

AP Language/Composition  
AP Literature/Composition  
 CP English 9  
 CP English 10  
 CP English 11  
 CP English 12  
 Honors English 10  
IB English HL-1  
IB English HL-2

### C. Mathematics

3 years required, 4 years recommended

Three units (equivalent to three years) of college-preparatory mathematics (four units are strongly recommended), including or integrating topics covered in elementary algebra, advanced algebra, and two-and-three dimensional geometry.

AP Calculus AB  
AP Calculus BC  
AP Statistics  
 CCIM1  
 CCIM2  
 CCIM3  
Honors Pre-Calculus  
 \*\*\*IB Math SL-1  
 \*\*\*IB Math SL-2  
 Pre-Calculus

### D. Laboratory Science

2 years required, 3 years recommended

Two units (equivalent to two years) of laboratory science are required (three units are strongly recommended), providing fundamental knowledge in two of the following; biology, chemistry, or physics. A yearlong interdisciplinary science course can meet one year of this requirement.

AP Biology  
AP Chemistry  
AP Physics I  
AP Physics C  
 CP Biology  
 CP Chemistry  
 CP Physics  
Honors Chemistry  
 \*\*\*IB Biology HL-1  
IB Biology HL-2  
 \*\*\*IB Chemistry HL-1  
IB Chemistry HL-2  
 Physiology

### E. Language other than English

2 years required, 3 years recommended

Two units (equivalent to two years, or through the second level of high school instruction) of the same language other than English (three units recommended).

AP French  
AP Spanish  
 French 1  
 French 2  
 French 3  
Honors French 4  
Honors Spanish 4  
 Spanish 1  
 Spanish 2  
 Spanish 3  
IB Spanish SL-1  
IB Spanish SL-2

### F. Visual and Performing Arts

1 year required

One unit (equivalent to one year) required, chosen from one of the following categories; dance, music, theater, or visual arts (e.g., painting, web/graphic design, film/video, inter/multimedia arts).

Advanced Dance  
 Advanced Drama  
 Advanced Guitar  
AP Art History  
AP Studio Art  
 Art 1  
 Art 2  
 Art 3  
 Art 4  
 Beginning Piano  
 Brass/Wind Ensemble  
 Ceramics 1  
 Ceramics 2  
 Ceramics 3  
 Chamber Choir  
 Concert Choir  
 Dance  
 Drama  
 Guitar  
 Intermediate Dance  
 Intermediate Guitar  
 Intermediate Theatre Arts  
 Jazz Ensemble  
 Marching Band  
 Media Production  
 Percussion Ensemble  
 Photography 1  
 Photography 2  
 Professional Drama  
 Symphonic Band  
IB Visual Arts HL-1  
IB Visual Arts HL-2  
 IB Visual Arts SL-1  
 IB Visual Arts SL-2

### G. College Preparatory Elective

1 year required

One unit (equivalent to one year) chosen from the "a-f" courses beyond those used to satisfy the requirements of the "a-f" subjects, or courses that have been approved solely in the elective area.

**English-**  
 Advanced Journalism  
 Speech and Debate

**Interdisciplinary-**  
 Business Communications  
 Civil Engineering & Architecture  
 Engineering Design and Development  
 Introduction to Engineering Design  
 IT Essentials  
 Principles of Business  
 Principles of Engineering

**History/Social Science**—All courses listed under "a" plus the following:

AP Macroeconomics  
AP Microeconomics  
AP Psychology  
IB Business and Management  
 Civil Engineering and Architecture  
 Economics  
IB Psychology SL-1  
IB Psychology SL-2  
 Social Psychology  
IB Theory of Knowledge 1  
IB Theory of Knowledge 2  
IB World Religions SL -1  
IB World Religions SL -2

**Laboratory/Science**—

CP Earth Science  
 Fish & Wildlife

**Mathematics - Computer Science -**

AP Computer Science A  
AP Computer Science Principles  
Exploring Computer Science

**For more information please visit University of California A-G Course List**

<https://hs-articulation.ucop.edu/agcourselist#/list/details/1545/>

**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. Courses with \*\*\* denote courses that GBHS weights but UC does not.

The following courses, although no longer taught at GBHS, are UC approved:

**Algebra 1, Algebra 2, Geometry, Honors Physics, Japanese 1, 2 & 3, Honors Japanese, AP Japanese, IB Japanese SL**

# Granite Bay High School

## Four Year University Preparation Path

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
English 9	English 10 Honors English 10	English 11 AP English Lang/Comp IB English	English 12 IB English AP English Lit/Comp
CCIM1 CCIM2 CCIM3	CCIM1 CCIM2 CCIM3 Pre-Calculus Honors Pre-Calculus	CCIM2 CCIM3 Pre-Calculus Honors Pre-Calculus AP Statistics IB Math AP Calculus AB/BC	CCIM3 Pre-Calculus Honors Pre-Calculus AP Statistics IB Math AP Calculus AB/BC
Health and Wellness	AP European History World Studies	US History IB HOA AP US History	Government/Economics IB HOA AP Government/Economics AP Government/AP Microeconomics & AP Macroeconomics/Law and Justice
World Language 1 World Language 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
Earth Science Biology	Biology Chemistry Honors Chemistry Physics AP Physics 1	Physics AP Physics I AP Physics C Physiology Chemistry Honors Chemistry IB Chemistry AP Chemistry IB Biology AP Biology	Physics AP Physics I AP Physics C Physiology Chemistry Honors Chemistry IB Chemistry AP Chemistry IB Biology AP Biology
Elective/VAPA*	Elective*	Elective*	Elective
Elective	Elective	Elective	Elective

\*The UC/CSU 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.

# 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 total credits.

- | <b>1 2 Semester</b>   | <b>1 2 Semester</b>  |
|---|--|
| <input type="checkbox"/> <input type="checkbox"/> English 9         | <input type="checkbox"/> <input type="checkbox"/> Physical Science           |
| <input type="checkbox"/> <input type="checkbox"/> English 10        | <input type="checkbox"/> <input type="checkbox"/> Life Science               |
| <input type="checkbox"/> <input type="checkbox"/> English 11        | <input type="checkbox"/> <input type="checkbox"/> Fine Art or World Language |
| <input type="checkbox"/> <input type="checkbox"/> English 12        | <input type="checkbox"/> <input type="checkbox"/> Health & Wellness          |
| <input type="checkbox"/> <input type="checkbox"/> CCIM1 (or higher) | <input type="checkbox"/> <input type="checkbox"/> World Studies              |
| <input type="checkbox"/> <input type="checkbox"/> CCIM2 (or higher) | <input type="checkbox"/> <input type="checkbox"/> Gov/Econ                   |
| <input type="checkbox"/> <input type="checkbox"/> PE 9              |  |
| <input type="checkbox"/> <input type="checkbox"/> PE 10             |  |

### CSU/UC College Entrance Requirements

(grade of C- or better needed)

- |                                     |                               |
|-------------------------------------|-------------------------------|
| A. History/Social Science           | 2 years                       |
| B. English                          | 4 years                       |
| C. Math (through CCIM3)             | 3 years / 4 years recommended |
| D. Lab Science                      | 2 years / 3 years recommended |
| E. Language (other than English)    | 2 years / 3 years recommended |
| F. Visual Arts                      | 1 year                        |
| G. Elective Courses (check UC List) | 1 year                        |

**Note: Must also pass Introduction to Personal Finance Course (online)**

## MY PERSONAL PLAN

9	10	11	12
English 9	English 10 Honors English 10	English 11 AP Language/Comp IB English	English 12 AP Literature/Comp IB English
Health & Wellness	World Studies AP European History AP Human Geography	US History AP US History IB History of Americas	Government/Econ AP Govt./Econ *AP Government/AP Microeconomics & AP Macroeconomics/Law & Justice <b>(*A/B Year Long Block)</b>
PE 9	PE 10		

#### Planned test dates for:

SAT \_\_\_\_\_  
 ACT \_\_\_\_\_  
 PSAT \_\_\_\_\_  
 SAT Subject Tests \_\_\_\_\_  
 ASVAB \_\_\_\_\_

#### Resources

Naviance - <http://connection.naviance.com/gbhs>  
 Career Café - [www.careercafe.com](http://www.careercafe.com)  
 Counseling Website - <http://www.rjuhsd.us/domain/654>  
 College Career Handbook - <http://www.rjuhsd.k12.ca.us//Domain/46>



# IS YOUR SCHEDULE OVERLOADED?

As you choose your classes for next year, consider their likely amounts of homework. How might the total homework time impact your daily schedule? Many students experience stress because of heavy time demands. Filling out the chart below can help you review how you spend your time - and help you prioritize your goals.

For more information please see your GBHS counselor or [visit www.studyqs.net/schedule/](http://www.studyqs.net/schedule/)

Daily Activities	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Classes							
Studying							
Sleeping							
Exercise/Sports							
Work/ internship							
Personal care/ grooming							
Meal prep/ eating/cleanup							
Transportation (school, work, etc.)							
Relaxation: TV/ video games, etc.							
Socializing & friends							
Other							

<b>Total</b> (Not to exceed 24 hours per day)							
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**Comments/Notes:**

## Advanced Placement Program and AP Courses

Our Advanced Placement (AP) program offers rigorous college level courses that have been approved by the College Board to prepare students for future academic success. Under this accelerated learning program, students will sharpen their analytical and writing skills, and hone their study habits in preparation for 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 AP 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,) 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 School. 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 expected to take May exams. Passing scores are 3 or higher out of a possible of 5.

- |   |   |  |   |
|---|---|--|---|
| <ul style="list-style-type: none"> <li>◆ <i>AP Art History</i></li> <li>◆ <i>AP Biology</i></li> <li>◆ <i>AP Calculus AB</i></li> <li>◆ <i>AP Calculus BC</i></li> <li>◆ <i>AP Chemistry</i></li> </ul> | <ul style="list-style-type: none"> <li>◆ <i>AP Computer Science Principles</i></li> <li>◆ <i>AP English Language</i></li> <li>◆ <i>AP English Literature</i></li> <li>◆ <i>AP European History</i></li> <li>◆ <i>AP French</i></li> </ul> | <ul style="list-style-type: none"> <li>◆ <i>AP Human Geography</i></li> <li>◆ <i>AP Physics I</i></li> <li>◆ <i>AP Physics C</i></li> <li>◆ <i>AP Psychology</i></li> <li>◆ <i>AP Spanish</i></li> <li>◆ <i>AP Statistics</i></li> </ul> | <ul style="list-style-type: none"> <li>◆ <i>AP Studio Art</i></li> <li>◆ <i>AP US Government</i></li> <li>◆ <i>AP US History</i></li> <li>◆ <i>AP Macroeconomics</i></li> <li>◆ <i>AP Microeconomics</i></li> </ul> |
|---|---|--|---|

### Similarities between AP and IB Programs

- **Both are 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 motivated students hoping to excel academically and attend 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 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 are based on the student work evaluated against a set criteria or standard.**
- **Both provide students with a local letter grade, assigned by a GBHS instructor, 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 instructors who desire to teach the courses.**

## International Baccalaureate Program

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 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.

To get the IB Diploma, students must study six subjects in six areas— English, a 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 or sports. 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 in college.

Students also have the option of taking IB classes in subject areas of their choice, if the full diploma is not something that they want to pursue.

**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 International 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.

## IB Courses, IB Instructors and 4 Year Planner

- ◆ *IB English*
- ◆ *IB Spanish*
- ◆ *IB History of the Americas*
- ◆ *IB Psychology*
- ◆ *IB Business Management*
- ◆ *IB World Religions*
- ◆ *IB Biology*
- ◆ *IB Chemistry*
- ◆ *IB Math*
- ◆ *IB Visual Arts*
- ◆ *IB Film*



### 9th Grade

#### Fall

English 9
CCIM1 or CCIM2
Health
World Language 1

#### Spring

Biology
VAPA
PE 9
CCIM2 or CCIM3 or World Language

### 10th Grade

#### Fall

Honors English 10
CCIM3 or Honors Pre-Calculus
World Language 2
PE 10

#### Spring

AP European History
Chemistry or Honors Chemistry
World Language 3
Elective

### 11th Grade

*Year 1 IBDP*

#### Fall

1st Period	IB Biology
2nd Period	IB Math or IB Spanish
3rd Period	IB HOA blocked w/ IB English Literature
4th Period	Gov/Econ or AP Gov/Econ

#### Spring

IB Psychology, IB Visual Arts or IB Chemistry
IB Spanish or IB Math
IB HOA blocked w/ IB English Literature
Theory of Knowledge

### 12th Grade

*Year 2 IBDP*

#### Fall

1st Period	IB Biology
2nd Period	IB Math or IB Spanish
3rd Period	IB HOA blocked w/ IB English Literature
4th Period	Theory of Knowledge

#### Spring

IB Psychology, IB Visual Arts or IB Chemistry
IB Spanish or IB Math
IB HOA blocked w/ IB English Literature
Elective



## College and Career Readiness: Career Technical Education Programs of Study & Project Lead the Way

Programs of Study are college and career preparation curricular pathways that include a sequence of academic and career technical education (CTE) coursework designed to help students attain a postsecondary degree or industry-recognized certificate or credential. The courses include authentic assessments and real-world application. Students successfully completing a Program of Study at Granite Bay and are recognized at graduation for being “program completers.”

Students seeking a Business, Computer Science, Engineering (PLTW) or Media will benefit from a thematic approach to learning that stretches across multiple courses in a specific subject area. While rigorous, these programs especially emphasize practical hands-on learning and service to the community that students demonstrate through a capstone experience in their senior year.

### **Who can benefit from College and Career Readiness Programs?**

Any student can benefit! Whether you wish to enter a profession directly after high school or go to college, a career-focused program provides opportunities for many students to earn their high-school diploma, complete the UC a-g requirements while focusing on a career in which they have a strong interest. Students can gain valuable experience in a profession and through service learning experiences which will also give them a competitive advantage. Even if students decide not to continue in the field they chose, at least they will make a better-informed decision before choosing a college major or a profession.

### **How does it work?**

All Programs of Study pathways require students to take at least three career-focused courses referred to as the Introductory Course, Concentrator Course and Capstone Course. Students must complete the courses in sequence while meeting all other Program and graduation requirements. The tables on the following page indicate the required course in each of the career-related pathways. Four-Year plans should be created with these sequences in mind.

### **What if I have a Questions?**

Questions regarding any of the specific career-related pathways can be addressed to the coordinators listed below.

#### **Career Focus**

Business

Computer Science

Engineering (PLTW)

Media

#### **Coordinator**

Jeanne Sampson

Marc Imrie

Steve Dolan

Zachary Weidkamp

#### **Email Address**

jsampson@rjuhsd.us

mimrie@rjuhsd.us

sdolan@rjuhsd.us

zweidkamp@rjuhsd.us

## ***Business***

<b><i>Focus Area: Business Administration</i></b>	<b><i>Program of Study</i></b>
<b>Introductory Course(s)</b> 9 <sup>th</sup> – 12 <sup>th</sup> grade	Principles of Business
<b>Concentrator Course(s)</b> 9 <sup>th</sup> -12 <sup>th</sup> grade	Business Communications/ Intro to SEM
<b>Capstone Course(s)</b> 11 <sup>th</sup> -12 <sup>th</sup> grade	Course(s) TBD

## ***Computer Science***

<b><i>Focus Area: Tech Support</i></b>	<b><i>Program of Study</i></b>
<b>Introductory Course</b> 9 <sup>th</sup> - 10 <sup>th</sup> grade	Exploring Computer Science (ECS)
<b>Concentrator Course(s)</b> 11 <sup>th</sup> grade	Information Technology Essentials (GBiT) AP Computer Science Principles
<b>Capstone Course(s)</b> 12 <sup>th</sup> grade	IT Essentials (GBiT) Technology Leadership (GBiT)

## ***Engineering (Project Lead the Way)***

<b><i>Focus Area: Design and Engineering</i></b>	<b><i>Program of Study</i></b>
<b>Introductory Course</b> 9 <sup>th</sup> – 10 <sup>th</sup> grade	Intro to Engineering (IED)
<b>Concentrator Course(s)</b> 10 <sup>th</sup> – 11 <sup>th</sup> grade	Principles of Engineering (POE) Civil Engineering & Architecture (CEA)
<b>Capstone Course</b> 12 <sup>th</sup> grade	Engineering Design and Development (EDD)

## ***Media***

<b><i>Focus Area: Broadcast Media</i></b>	<b><i>Program of Study</i></b>
<b>Introductory Course(s)</b> 9 <sup>th</sup> – 10 <sup>th</sup> grade	Beginning Media
<b>Concentrator Course(s)</b> 11 <sup>th</sup> grade	IB Film
<b>Capstone Course(s)</b> 12 <sup>th</sup> grade	Advanced Media

## ELECTIVE PATHWAYS A Focus on the Arts

### **What are Elective Pathways?**

Elective Pathways are similar to Programs of study whereby students take a sequence of visual and performing arts courses with a special emphasis on one strand of the arts (e.g. choir, drama, band, dance). These elective pathways provide a thematic focus of students through high school, broadening their knowledge, skills, and appreciation of the arts. Courses in the sequence emphasize practical hands-on learning, culminating in a demonstration of the acquired knowledge and skills through a capstone activity arranged between the instructor and the student.

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

Students with a strong interest in the visual and/or performing arts, students who would prefer a thematic focus to help make the high-school experience more meaningful, and students interested in continuing their interest in the arts after high school will all benefit. Even if students decide not to continue after high school in their area of interest, they will benefit from the thematic focus and capstone experience by greatly increasing knowledge, skills and appreciations that will benefit them for a lifetime.

### **How does it work?**

During your senior year an online application will be available. Simply fill out the application, make sure you have completed the courses in the sequences as required. Your EP coordinator, College & Career Technician or Counselor are available for support.

Note: Students are NOT locked into the courses; they take them at their own desired place (although some courses do have prerequisites). The capstone experience may or may not include an internship component.

<b><u>Elective Pathways</u></b>	<b><u>Coordinator</u></b>	<b><u>Email Address</u></b>
Performing Arts	Desiree Milburn	dmilburn@rjuhsd.us
Visual Arts	Bradley Cordell	bcordell@rjuhsd.us

## ***Performing Arts Elective Pathways***

	<b><i>Focus Area Choir</i></b>	<b><i>Focus Area Drama</i></b>	<b><i>Focus Area Band</i></b>	<b><i>Focus Area Dance</i></b>
<b>Required Core Courses (40 units)</b>	Concert Chamber (repeat course)	Drama Inter Theatre Arts Professional Drama Musical Theatre	Concert Marching Jazz (repeat course)	Beginning Intermediate Advanced (repeat course)
<b>Choice of Elective (10 units)</b>	Beginning Piano Advanced Piano Percussion Ensemble Musical Theatre (May repeat any choir class)	Visual Art (Any) Adv. Drama Concert Choir Speech & Debate Media Production Dance	Choir (Any) Beginning Piano Advanced Piano Musical Theatre	Visual Art (Any) Concert Choir Aerobics/Group Fitness Musical Theatre (May repeat any dance class)
<b>Capstone Experience (10 units)</b>	Internship (to be arranged with coordinator)			

## ***Visual Arts Elective Pathways***

	<b><i>Focus Area Studio Art</i></b>	<b><i>Focus Area Ceramics</i></b>	<b><i>Focus Area Photography</i></b>
<b>Required Core Courses (30 units)</b>	Art 1 Art 2 Art 3	Ceramics 1 Ceramics 2 Ceramics 3	Photography 1 Photography 2 Photo 2 (repeat)
<b>Choice of 2 Electives (20 units)</b>	Art 4 Ceramics 1 Photography 1 AP Studio Art Ceramics 2 Photography 2 AP Art History Ceramics 3	Art 1 Ceramics 3 (repeat) Photography 1 Art 2 Photography 2 Art 3 AP Art History	Art 1 Ceramics 1 Art 2 Ceramics 2 Art 3 Ceramics 3 AP Art History
<b>Capstone Experience (10 Units)</b>	Portfolio - Art Show - Internship		



## **CAREER TECHNICAL EDUCATION**

### **BUSINESS**

<p><b>PRINCIPLES OF BUSINESS</b>  <b>Course ID: 151013</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" elective credit</b>  <b>Prerequisites: None</b></p>	<p>Principles of Business is an introduction to the world of business providing students with an analytical perspective on how organizations operate as well as preparing them for additional coursework at Granite Bay High School, future college business courses and employment. It will expose students to business administration as well as the key variables that influence today's business success. This course has been designed to provide students with familiarity of basic principles and practices of contemporary business, knowledge of business concepts and terminology, and an understanding of how business works. Students will learn not only the skills necessary to become a successful business person but also the attitudes, characteristic, and techniques needed to succeed. Units covered include business in the global economic environment, business organization and management, business operations and technology, and personal financial management. Topics include economic decisions and systems, international business, social responsibility and ethics, forms of business ownership, entrepreneurship, management and leadership, business operations, marketing concepts, finance, credit and insurance, career planning, and other major aspects of business.</p>
<p><b>BUSINESS COMMUNICATIONS</b>  <b>Course ID: 161163</b>  <b>Open to grades: 10- 12</b>  <b>UC/CSU eligibility: This course is approved for "G" elective credit</b>  <b>Prerequisites: Principles of Business</b></p>	<p>This course will challenge students to think critically and communicate appropriately in multiple business situations by using various projects, case studies, and business planning scenarios. Students will learn business communications skills in a contextual environment by addressing contemporary business issues, and will combine technology skills, using the Microsoft Office Suite, with critical reading and writing skills as they apply to career technical education business concepts. Students will produce multiple written documents, including emails, memos, training materials, papers, and business plans. This course emphasizes business management perspectives by challenging students to think like managers in a business organization in order to build 21st century skills (creating, analyzing, and evaluating). Students will work collaboratively to find real solutions for challenges faced by contemporary business organizations. Students will leave the class with experience in presentation techniques, creation of documents to run a business, and skills that will enhance their job and/or college performance.</p>
<p><b>INTRO TO SPORTS &amp; ENTERTAINMENT MARKETING</b>  <b>Course ID: 152113</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Principles of Business and Business Communications</b></p>	<p>This course provides a general overview of the principles of marketing. Students will learn the core standards of marketing applicable to all businesses. Basic topics of the marketing concept, marketing mix (product, placement/distribution, promotion, and price), target markets, market segmentation, marketing-information management, customer satisfaction, product/service management, and marketing research 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 endeavors and/or for future college business courses.</p>

## **BUSINESS (con't)**

<p><b>IB BUSINESS MANAGEMENT SL-1 - Fall Course ID: 152304</b></p> <p><b>IB BUSINESS MANAGEMENT SL-2 - Spring Course ID: 152314</b></p> <p><b>Open to grades: 11 - 12</b></p> <p><b>UC/CSU eligibility: This course is approved for "G" elective credit</b></p> <p><b>Prerequisites: None</b></p> <p><b>Note: Year Long Course</b></p>	<p>The International Baccalaureate Business and Management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices, and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management, and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity. The Business and Management course aims to help students understand the implications of business activity in a global market. It is designed to give students an international perspective of business and to promote their appreciation of cultural diversity through the study of topics like international marketing, growth, and business strategy. The ideals of international cooperation and responsible citizenship are at the heart of Business and Management. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p> <p><b>CTE Department Recommendation: Completion of Principles of Business or Teacher approval.</b></p>
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## **COMPUTER SCIENCE**

<p><b>EXPLORING COMPUTER SCIENCE</b>  <b>Course ID: 167613</b>  <b>Open to grades: 9—12</b>  <b>UC/CSU eligibility: This course is approved for “G” elective credit</b>  <b>Prerequisites: None</b></p>	<p>Exploring Computer Science provides an engaging introduction to the world of computer science that aligns with many career pathways. The course consists of six hands-on and project-based exploratory units—Introduction to Computing (Hardware and Software), Human Computer Interaction (Internet and Artificial Intelligence), Problem Solving (Computational Thinking and Algorithms), Programing (using scratch, JavaScript and Python), Web Design, and Robotics (LEGO Mindstorm EV3). Course material will show how computing enables innovation in multiple career paths, and will cover ethical and social issues as well. Through a career research project and job shadow opportunity, students will identify and explore many of the lucrative and high demand jobs throughout the world of technology. Computing is involved in virtually every field of study, career, and aspect of society. Whatever you plan to study in college or pursue as a career, you will need the knowledge and skills found in this course.</p>
<p><b>AP COMPUTER SCIENCE PRINCIPLES</b>  <b>Course ID: 356175</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for “G” elective credit</b>  <b>Prerequisites: CCIM2, or instructor approval (see description)</b></p>	<p>In a hands-on, project-based learning environment, students in AP Computer Science Principles will explore the seven big ideas of computing: creativity, abstraction, data and information, algorithms, programming, the Internet, and global impact of technology. Students will follow UC Berkeley’s engaging curriculum, Beauty and Joy of Computing. This course teaches programming through an engaging programming language called SNAP!, one of the friendliest programming languages ever invented. It’s purely graphical, which means programming involves simply dragging blocks around to build code instead of writing lengthy syntax-intensive programs. Students will then apply these skills to develop Apps through MIT’s App Inventor, program, 3 different types of robots, and explore the programming language Python. But this course is far more than just learning programming concepts. We focus on some of the “Big Ideas” of computing, such as abstraction, design, recursion, concurrency, simulations, and the limits of computation. We show some beautiful applications of computing that have changed the world, talk about the history of computing, and where it will go in the future. Upon successful completion of the course, students will be well-prepared to take College Board’s other AP course in computer science: AP Computer Science A (Java).  <b>CTE Department Recommendation: Grade of B or better in Exploring Computer Science</b></p>
<p><b>INFORMATION TECHNOLOGY ESSENTIALS (GBIT) - Fall</b>  <b>Course ID: 163613</b>  <b>Open to grades: 10 - 12</b>  <b>INFORMATION TECHNOLOGY ESSENTIALS (GBiT) - Spring</b>  <b>Course ID: 163623</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is pending approved for “G” elective credit</b>  <b>Prerequisites: Exploring Computer Science or AP Computer Science Principles or teacher recommendation. Students must also go through an interview process that includes faculty screening and a formal interview for the position.</b></p>	<p>The GBiT program (course name “IT Essentials”) is a student-run business and technology organization that provides technical services to GBHS staff and students. GBiT students will learn how to set goals, take initiative, manage time and projects, work in teams, work with clients, and evaluate their own progress and performance. Students will apply for positions in one of the following GBiT groups, which are directed by student managers: Tech (support, Training, Innovation), Web Design, Marketing and Development, or Cyber Security. Students in the Tech group will provide tech support throughout campus and may prepare to earn Comp TIA A+ Certification, students in Marketing and Development will promote GBiT, train staff on campus, and prepare for Google Certifications, students on the Web Team will develop web design skills and work on the GBHS and client sites, and students in Cyber Security will complete in the Cyberpatriot completion. Guest speakers and trainers from local tech companies will help enhance and support this business environment as students serve the GBHS campus. Through a career research project and job shadow opportunity, students will identify and explore many of the lucrative and high demand jobs throughout the world of technology.</p>

## **COMPUTER SCIENCE (con't)**

### **TECHNOLOGY LEADERSHIP (GBIT Managers)**

**Course ID: 152203**

**Open to grades: 10 - 12**

**UC/CSU eligibility: None**

**Prerequisites: This course is currently offered only through the GBiT program of study. Students must have taken Information Technology Essentials (GBiT), and have extensive knowledge of the group to which they will be managing. Interviews will be held for this course.**

This course is for returning students (usually managers) who are continuing with the GBiT program. Embedded within the GBiT classroom, Tech Leadership students will manage the program through leadership positions in one or more of the GBiT functional groups. Student managers, who must first complete the GBiT course, will lead a GBiT group by setting and achieving goals, training students, leading and evaluating students, engaging with customers (GBHS staff and students), and managing projects. Other requirements will include the study of leadership theory, including reading outside textbooks, writing formal reports and case studies, developing evaluations and goals, communicating effectively, problem-solving, maintaining integrity, and thinking critically. Students will need to spend extra hours working after school. Student leaders may receive training from local tech industry partners, specifically in leadership and management principles, including project management, goal setting, evaluating employees, customer engagement, time management, public speaking, and conducting effective meetings. If students are seeking to be leaders or managers in any business (not just technology), this course will provide ample opportunity to develop management skills in a real world environment through the actual conducting of a business organization on campus.

# **ENGINEERING**

## ***Project Lead the Way***

<p><b>INTRODUCTION TO ENGINEERING &amp; DESIGN (IED)<sup>™</sup> (A Project Lead the Way Course)</b> <b>Course ID: 356113</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: This course is approved for “G” elective credit</b> <b>Prerequisite: Grade of C or better in CCIMI.</b></p>	<p>The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.</p>
<p><b>PRINCIPLES OF ENGINEERING (POE)<sup>™</sup> (A Project Lead the Way course)</b> <b>Course ID: 356133</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: This course is approved for “G” elective credit</b> <b>Prerequisite: Grade of C or higher in Introduction to Engineering and Design<sup>™</sup>.</b></p>	<p>This course utilizes Vex Robotics to expose students to major concepts they’ll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.</p>
<p><b>CIVIL ENGINEERING AND ARCHITECTURE (CEA)<sup>™</sup> (A Project Lead the Way course)</b> <b>Course ID: 356153</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: This course is approved for “G” elective credit</b> <b>Prerequisite: Intro to Engineering Design.</b></p>	<p>This course should introduce students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resource, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design.</p>
<p><b>ENGINEERING DESIGN AND DEVELOPMENT (EDD)<sup>™</sup>(A Project Lead the Way course)</b> <b>Course ID: 356163</b> <b>Open to grades: 10 - 12</b> <b>UC/CSU eligibility: This course is approved for “G” elective credit</b> <b>Prerequisite: Grade of C or higher in Introduction to Engineering and Design<sup>™</sup> or by instructor approval.</b></p>	<p>In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Two possible projects that will be closely involved in this course are the Shell Eco-Marathon car and FIRST Robotics.</p>

## **MEDIA**

***Please visit us at [www.GraniteBayMedia.org](http://www.GraniteBayMedia.org)***

<p><b>MEDIA PRODUCTION</b>  <b>Course ID: 101673</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>This is the Media Program of Study introductory course and part of the Media Program of Study. Beginning Media is the entry-level course in which students learn to use video cameras and edit video on the Adobe CS5 Suite software utilizing the Adobe curriculum framework. Students learn to communicate effectively by writing scripts, planning productions, and editing a variety of products. 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 personal materials costs including SD cards and USB Drives. The instructor will give you specific information within the first week of the course. This course is the prerequisite for IB Film. Students may petition to skip Beginning Media and take IB Film by providing preexisting evidence of course knowledge.</p>
<p><b>ADVANCED MEDIA PRODUCTION</b>  <b>Course ID: 102683</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of B or better in Media Production</b></p>	<p>This is the Media Program of Study capstone course and part of the Media Program of Study. Students must go through an interview process in the spring after course selection that includes faculty screening and formal interviews. Students must sign a Code of Conduct agreement to remain in the course. Students will apply the skills learned in IB Film to write scripts, film, produce, and edit to the production of projects, programs, and broadcasts in the GBHS Studio. Students choose an area of video production to focus on to build their personal video reels. Students will learn to work in production teams as Directors, Producers, on-air Talent, Audio Engineers, Switchers, Graphics Technicians, etc., as they produce programs, the school video bulletin, the GraniteBayToday.org online TV website, live online sports productions, and a wide range of outside of the classroom professional opportunities and internships in the field of video production. The class will also participate in the STN (Student Television Network) annual convention and competitions. There are personal materials costs including SD cards and USB Drives. Extra outside class time will be needed to complete projects. Students are encouraged to take this course multiple times. Students may petition to take Advanced Media by providing preexisting evidence of course knowledge. Advanced Media may be taken during a period outside the normal class period.</p>
<p><b>IB FILM SL-1 - Fall</b>  <b>Course ID: 163454</b>  <b>IB FILM SL-2—Spring</b>  <b>Course ID: 163464</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of B or better in Media Production or instructor approval.</b>  <b>Note: Year Long Course</b></p>	<p>This is the Media Program of Study course concentrator and part of the Media Program of Study. 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 and TV. Students will learn and apply film terms, analyze sequences and whole films, write screenplays, and produce trailers and short films. Students will work with and master high level production equipment. 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 and TV 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. There are personal materials costs including SD cards and USB Drives. This course does not include external IB examinations in May; however it does require a film to be submitted for evaluation. More information can be found at <a href="http://www.GraniteBayMedia.org">www.GraniteBayMedia.org</a>. International Baccalaureate courses are open to any Granite Bay High School applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and submit three IB Film Assessments in March and April.</p>



## **MEDIA (con't)**

<p><b>3D ANIMATION</b>  <b>Course ID: 101693</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>ADVANCED 3D ANIMATION</b>  <b>Course ID: 102693</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of C or better in 3D Animation or instructor approval.</b></p>	<p>Students will continue to develop their artistic design, storytelling, 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.</p>

## ENGLISH

<p><b>CP ENGLISH 9</b>  <b>Course ID: 201113</b>  <b>Open to grades: 9</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>CP ENGLISH 10</b>  <b>Course ID: 202213</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>HONORS ENGLISH 10</b>  <b>Course ID: 206223</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p>	<p>This course emphasizes critical thinking, reading, and writing. The focus of the class is close reading and analytical writing about the literature, as well as non-fiction literature. The curriculum is more rigorous than the traditional CP English 10 course; the pace is accelerated and expectations are higher. The course is designated Honors, however, the course is NOT weighted.</p>
<p><b>HONORS ENGLISH 10</b>  <b>*Course ID: 206221</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p> <p><b>AP EUROPEAN HISTORY</b>  <b>*Course ID: 657151</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "A" History/Social Science Credit</b>  <b>Prerequisites: None (see description)</b></p>	<p><b>Blocked</b> with Advanced Placement European History, this course emphasizes critical thinking, reading, and writing, combined with a study of European literature and history. The focus of the class is close reading and analytical writing of the literature, as well as non-fiction historical literature. This course follows the scope and sequence of the Advanced Placement European History curriculum. Because the curriculum is more rigorous than the traditional CP English 10 course, the pace is accelerated and expectations are higher. The course is designated Honors, however, the course is NOT weighted.</p> <p><b>Social Science Department Recommendation: Grade of B or better in English 9</b></p> <p><b><u>*Note: A/B Year Long Block Courses.</u></b>  <b><u>Must select BOTH Course ID numbers during registration.</u></b></p>
<p><b>CP ENGLISH 11</b>  <b>Course ID: 203313</b>  <b>Open to grades: 11</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p>	<p>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 types. Emphasis will be placed on research skills. Students can expect a variety of oral and listening activities. Emphasis will be placed on introduction of skills and presentation of that research.</p>

## **ENGLISH (con't)**

<p><b>CP ENGLISH 12</b>  <b>Course ID: 204413</b>  <b>Open to grades: 12</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p>	<p>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 and 11. This course will prepare seniors for college level reading and writing.</p>
<p><b>AP LANGUAGE &amp; COMPOSITION</b>  <b>Course ID: 207423</b>  <b>Open to grades: 11</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None (see description)</b></p>	<p>This study of rhetoric will foster writing flexibility and skill in a variety of modes, (synthesis, argumentative, and analytical), applicable to subject areas in college and in personal and professional situations. Students will read various complex fictional and nonfictional texts with a focus on comprehension and close analysis and will read such texts additionally as models for their own writing. Much of the reading required for the course is completed at home. Emphasis will be placed on skills necessary to pass the AP English Language and Composition exam. Students are expected to take the AP exam.  <b><u>English Department Recommendation: Grade of B or higher in most recent English course</u></b></p>
<p><b>AP LITERATURE &amp; COMPOSITION</b>  <b>Course ID: 207433</b>  <b>Open to grades: 12</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: CAASPP scores in ELA must be proficient (3) or better to qualify for this course</b></p>	<p>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.</p>
<p><b>IB ENGLISH HL-1 (Junior Year)</b>  <b>Course ID: 204512</b>  <b>IB ENGLISH HL –2 (Senior Year)</b>  <b>Course ID: 204522</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: Grade of C or better in English 10</b>  <b>Note: Two Year Course</b></p>	<p>The IB English course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. The formal analysis of texts and wide coverage of a variety of literature—both in the language of the subject and in translated texts from other cultural domains—is combined with a study of the way literary conventions shape responses to texts. Students completing this course will have a thorough knowledge of a range of texts and an understanding of other cultural perspectives. They will also have developed skills of analysis and the ability to support an argument in clearly expressed writing, sometimes at significant length. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>

## **ENGLISH (con't)**

<p><b>ELD ENGLISH 1 - Fall</b>  <b>Course ID: 205603</b>  <b>ELD ENGLISH 1 - Spring</b>  <b>Course ID: 205613</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: CELDT Level 1 and Level 2</b></p>	<p>Students in ELD 1 learn to use English for immediate needs and begin to understand and use academic vocabulary and other features of academic language. Students enter this class with limited English skills and exit with basic communication skills in social and academic content.</p>
<p><b>ELD ENGLISH 3 - Fall</b>  <b>*Course ID: 205643</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: CELDT Level 4 Level 5</b></p> <p><b>SDAIE ENGLISH 9-12 - Spring</b>  <b>*Course ID: 211153</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Early Advanced to Advanced level score on the Reading and Writing portion of the CELDT</b></p>	<p>Students in <b>ELD 3</b> continue to learn and apply a range of high level English language skills, including comprehension and production of highly technical texts. Students leave this class able to communicate effectively with various audiences on a wide range of familiar and new topics to meet academic demands in multiple disciplines.</p> <p>SDAIE English is designed for students who require support in developing English language skills. The course previews and reviews content and skills taught in the college -prep English curriculum. Students are provided with additional instruction in English language and learning strategies that will support their success in all courses.</p> <p><b><u>*Note: Must select BOTH Course ID numbers during registration.</u></b></p>
<p><b>COMPETITIVE DEBATE - Fall</b>  <b>Course ID: 212403</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Completion of a basic public speaking course or teacher approval (see description)</b></p>	<p>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.</p> <p><b><u>English Department Recommendation: For 10th – 12th graders who have taken a basic speaking course or have successfully completed Competitive Forensics.</u></b></p>

## ENGLISH (con't)

<p><b>COMPETITIVE FORENSICS - Fall</b>  <b>Course ID: 212353</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Completion of a basic public speaking course or teacher approval</b></p>	<p>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 and participate in events held outside of school hours. Placement Recommendation: This course is offered to freshmen through seniors, after successful completion a Basic Speech/Debate course or approval of the instructor.</p>
<p><b>YEARBOOK - Fall</b>  <b>Course ID: 212683</b>  <b>YEARBOOK—Spring</b>  <b>Course ID: 212693</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of C or better in English classes along with interview/application and instructor approval (see description)</b></p>	<p>Students produce the national award-winning school yearbook Ursus. Students will learn the basics of journalistic writing, graphic design, photography, and the business of publications. Students will become adept at using computer programs such as Adobe InDesign and Photoshop CS6.  <u><b>English Department Recommendation: Students are encouraged to sign up for both terms, but students who only sign up for one term MUST enroll in Fall.</b></u></p>
<p><b>JOURNALISM</b>  <b>Course ID: 211453</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>Introductory course designed to prepare students to work as part of a publication's 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 a school publication staff.</p>
<p><b>ADVANCED JOURNALISM -Fall (Newspaper)</b>  <b>Course ID: 212513</b>  <b>ADVANCED JOURNALISM - Spring</b>  <b>Course ID: 212523</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "B" Elective Credit</b>  <b>Prerequisites: Grade C or better in Journalism 1 or instructor approval; there is also a required application process for all new students.</b></p>	<p>Designed for general and college preparatory students to produce the school newspaper and school news website. Students write stories, edit copy and headlines, design pages and graphics, take photographs, and sell ads. All students are required to make sales calls in an effort to generate revenue to support the printing of the newspaper and other expenses. Enrollment is limited.</p>
<p><b>SPEECH AND DEBATE</b>  <b>Course ID: 211303</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" Elective Credit</b>  <b>Prerequisites: None</b></p>	<p>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. Parent participation required. Course must be taken for entire term for credit.</p>

## **HEALTH**

**HEALTH AND WELLNESS**  
**Course ID: 521053**  
**Open to grades: 9 - 12**  
**UC/CSU eligibility: None**  
**Prerequisites: None**

Health and Wellness 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 lifelong health. The Health curriculum includes units covering nutrition, physical fitness, mental and emotional health, stress management, suicide, OTC and Rx drugs, the effects of alcohol and other drugs of abuse, sexuality and infectious diseases.



# MATHEMATICS

*Please visit us at:*

**<https://sites.google.com/a/rjuhsd.us/gbhs-mathematics/>**

<p><b>ACCESS MATH</b>  <b>Course ID: 401203</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Previous math instructor recommendation</b></p>	<p>ACCESS MATH will focus on building the skills needed to be successful in Integrated Mathematics I. Topics of study will include number sense, fractions, decimals, PERCENTAGES, integers, and solving linear equations in multiple forms. Students will develop their essentials skills using software that adjusts to each students' skill level. Note: Elective credits only.  <b><u>Math Department Recommendation: Those students taking this course should also select CCIM1 within the same school year.</u></b></p>
<p><b>EAP SENIOR MATH EXPERIENCE</b>  <b>Course ID: 404493</b>  <b>Open to grades: 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of C or better in CCIM3</b></p>	<p>Designed for college preparatory seniors who scored "not-ready" or "conditional" on the Early Assessment Program (EAP). Course topics include problem solving, linear, quadratic, exponential, logarithmic, absolute value, and piecewise functions, finance, and systems of equations and inequalities. This course provides a path for students to strengthen understanding of mathematical content defined by Common Core Standards. In addition, completion of this course allows students to enroll in college level math course at Sierra College without a placement test. For students entering California State University at Sacramento (CSUS) who score "conditional" on the EAP test, successful completion of this course eliminates the ELM testing requirement.</p>
<p><b>CCIM1 (COMMON CORE INTEGRATED MATHEMATICS 1)</b>  <b>Course ID: 402343</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: None</b></p>	<p>This course includes the standards from the Common Core State Standards. Included are the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Topics of study include: writing expressions and equations to describe numbers and relationships; solve and graph linear and exponential functions; model linear functions; solve, graph and model systems of equations and inequalities; summarize, represent and interpret data; use transformations to understand congruence; use geometric constructions to understand geometric properties; and use coordinate geometry to prove geometric theorems.</p>
<p><b>CCIM2 (COMMON CORE INTEGRATED MATHEMATICS 2)</b>  <b>Course ID: 402353</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: Grade of C or better in CCIM1 (see description)</b></p>	<p>This course includes the standards from the Common Core State Standards. Included are the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Probability and Statistics. Topics of study include: Introduction to Proof, Special Right Triangles, Similarity, Triangle Congruence, Trigonometry, Surface Area and volume, Quadrilaterals, Coordinate Proof, Quadratic Functions and Equations, and Probability.  <b><u>Math Department Recommendation: Grade of B or better in CCIM1</u></b></p>
<p><b>CCIM3 (COMMON CORE INTEGRATED MATHEMATICS 3)</b>  <b>Course ID: 402363</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: UC approved for "C" Math credit</b>  <b>Prerequisites: Grade of C or better in CCIM2 (see description)</b></p>	<p>This course includes the standards from the Common Core State Standards. Included are the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Topics of study include: statistics involving data distributions; quadratic, polynomial, rational, radical, exponential and logarithmic functions; and composition of functions.  <b><u>Math Department Recommendation: Grade of B or better in CCIM2</u></b></p>

## ***MATHEMATICS (con't)***

<p><b>PRE-CALCULUS</b>  <b>Course ID: 404483</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: Grade of C or better in CCIM3 (see description)</b></p>	<p>Designed for college preparatory students. Pre-Calculus is a course designed for students who have passed CCIM3 but will not be taking, or are not quite ready to take, Honors Pre-Calculus. This course is designed to further students' understanding of college level algebra topics. Upon successful completion of this course, students can take Honors Pre-Calculus, Senior EAP, and/or AP Statistics. Topics include linear functions, quadratic functions, polynomial functions, exponential functions, logarithmic functions, trigonometric functions, conics, sequences, series. Common Core philosophies as well as mathematical practices will guide instruction and level of rigor.  <b>Math Department Recommendation: Grade of B or better in CCIM3</b></p>
<p><b>HONORS PRECALCULUS</b>  <b>Course ID: 406493</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: Grade of B or better in CCIM3 or grade of B or better in Pre-Calculus</b></p>	<p>Designed for college preparatory students. Students will learn the skills and proficiencies necessary to complete geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational and polynomial functions, exponential and logarithmic functions and their applications, trigonometric functions, and their properties and applications, analytic geometry including conics and their application, and polar coordinates and vectors.</p>
<p><b>AP STATISTICS</b>  <b>Course ID: 407523</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: Grade C or better in CCIM3, Pre-Calculus or Honors Pre-Calculus</b></p>	<p>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.</p>
<p><b>AP CALCULUS AB - Fall</b>  <b>Course ID: 407503</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: Grade of C or better in Honors Pre-Calculus</b></p>	<p>Calculus AB is an advanced placement course designed for university preparatory students. This course focuses on the study of limits, continuity, differentiation, and anti-differentiation (integration). Students will learn the techniques of differentiation and integration with an emphasis on the application of these techniques in real-world situations. Students enrolled in this course are expected to take the AP exam.</p>
<p><b>AP CALCULUS BC - Spring</b>  <b>Course ID: 407513</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "C" Math credit</b>  <b>Prerequisites: Completion of AP Calculus AB</b></p>	<p>Calculus BC builds off the concepts from Calculus AB and extends the study of differentiation and anti-differentiation (integration). This course includes the study of advanced integration techniques, differential equations, parametric, polar and vector functions, and polynomial approximation and series. Students enrolled in this course are expected to take the AP exam.</p>

## **MATHEMATICS (con't)**

**IB MATH SL-1 - Fall**

**Course ID: 407614**

**IB MATH SL-2 - Spring**

**Course ID: 407924**

**Open to grades: 11 - 12**

**UC/CSU eligibility: This course is**

**approved for "C" Math credit**

**Prerequisites: Grade of C or**

**better in Honors Pre-Calculus**

**Note: Year Long Course**

The IB Math SL curriculum covers six topics: advanced algebra and functions, trigonometry, vectors, statistics, probability, and calculus. The study of calculus will be extended to include all the topics necessary for students to also be prepared to take the AP Calculus AB exam. Students will complete an Internal Assessment called a Mathematical Exploration in which they will create a written work that requires investigating how mathematics is involved in an area of interest to them. Students completing this course in Grade 11 will be prepared to take AP Calculus BC in Grade 12. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.

## **PERFORMING ARTS**

### **BAND**

*Please visit us at [www.GBEmeraldBrigade.org](http://www.GBEmeraldBrigade.org)*

<p><b>BAND - Spring (Zero Period)</b>  <b>Course ID: 101283</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Must have been in Marching Band in the fall term</b></p>	<p>This class will be working on concert repertoire, music theory, and performance. Students are placed in one of two concert bands contingent on audition in the fall. Students participate in several concerts and music festivals.</p>
<p><b>MARCHING BAND - Fall (Zero Period)</b>  <b>Course ID: 101253</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: 10th-12th graders must have taken/tested out of Symphonic Band. Students must attend a Summer session band camp. Check dates at <a href="http://www.GBEmeraldBrigade.org">www.GBEmeraldBrigade.org</a></b></p>	<p>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, Saturday Competitions and includes overnight field trips. Students play individually and as a group for playing assessments. Band camp is required for all members. The band rehearses outside of school on Monday nights and Saturdays. Full schedule at <a href="http://www.GBEmeraldBrigade.org">www.GBEmeraldBrigade.org</a>.</p>
<p><b>COLOR GUARD (Fall Term 1st Period/Spring Term 5th Period)</b>  <b>Course ID: 851553</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Must be in Marching Band Zero period class and participate in all activities in Fall Term. Must be enrolled in Color Guard class only in Spring Term.</b></p>	<p>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 <a href="http://www.gbemeraldbrigade.org">www.gbemeraldbrigade.org</a>. The class is designed to teach students with little or no experience how to use good dance technique as well as perform with a flag, rifle, or saber.</p>
<p><b>BRASS/WIND ENSEMBLE - Fall</b>  <b>Course ID: 101223</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Concurrent enrollment in Zero period Marching Band and attend band camp</b></p>	<p>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 and will perform in one concert.</p>

## **BAND (con't)**

<p><b>JAZZ ENSEMBLE - Spring</b>  <b>Course ID: 101243</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Concurrent enrollment and participation in Zero period Concert Band required. Participation in Fall Term Band class and instructor approval</b></p>	<p>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. Students are graded on and expected to perform improvised solos in various styles. Some music theory knowledge of chords and key signatures is expected.</p>
<p><b>PERCUSSION ENSEMBLE - Fall</b>  <b>Course ID: 101233</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Concurrent enrollment in Zero period Marching Band and attend band camp</b></p>	<p>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.</p>
<p><b>SYMPHONIC BAND - Spring</b>  <b>Course ID: 101263</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Concurrent enrollment in Zero period Band required. Must have been in Marching Band fall term</b></p>	<p>Required for all freshman band 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 who wish to test out of the class may do so on instructor/administrator approval only. Students perform a solo recital at the end of the term.</p>
<p><b>GITAR</b>  <b>Course ID: 101273</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>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 lifelong learning of the instrument. Students must provide their own acoustic guitar.</p>

## **BAND (con't)**

<p><b>INTERMEDIATE GUITAR</b>  <b>Course ID: 102293</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of B or better in Guitar, or instructor approval</b></p>	<p>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. Students will learn the use of barre chords, color chords and inversions. Instructor approval contingent on one-on-one performance tryout with instructor.</p>
<p><b>ADVANCED GUITAR</b>  <b>Course ID: 102283</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of B or better in Intermediate Guitar or instructor approval</b></p>	<p>This class is designed for the serious guitar player/performer. Students must have completed intermediate 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.</p>
<p><b>BEGINNING PIANO</b>  <b>Course ID: 101293</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>Beginning Piano 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 develop an aesthetic appreciation of music, life-long learning disciplines, and motivations related to music, music etiquette, ear training, rhythm, dictation, and sight reading skills. Two public recitals and one concert attendance are required.</p>
<p><b>ADVANCED PIANO</b>  <b>Course ID: 102263</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of C or better in Beginning Piano or instructor approval</b></p>	<p>Designed for students who desire to advance their piano skills and furthering their music theory and music history education. Study of both music theory and history will go into much more depth than beginning piano. Students will continue their music education by studying ear training, rhythmic dictation and sight-reading. They will further their aesthetic appreciation of music, thus becoming life-long appreciators of music. A final public recital is required. Two public recitals and one concert attendance are required.</p>



## **CHOIR**

<p><b>CONCERT CHOIR</b>  <b>Course ID: 101353</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>Concert Choir is designed for less experienced singers. Choral music will be rehearsed and performed. In addition, vocalization, diction, breathing, note reading, basic vocal theory, group singing, solo singing, sight singing, and performance techniques will be studied. Attendance at after-school, evening, and weekend performances will be required.</p>
<p><b>CHAMBER CHOIR</b>  <b>Course ID: 102383</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Instructor approval based upon a written music competency test, and/or a vocal audition, and/or successful completion of Chamber Choir</b></p>	<p>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, evening, and weekend performances will be required.</p>

## **DANCE**

<p><b>DANCE</b>  <b>Course ID: 101503</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>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 material costs associated with this course. Students will be given specific information within the first week of the course.</p> <p>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 material costs associated with this course. Students will be given specific information within the first week of the course.</p>
<p><b>INTERMEDIATE DANCE</b>  <b>Course ID: 102513</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of B or better with a full year of Dance. Previous dance experience and instructor approval.</b></p>	<p>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 Advanced Dance. Any student who would like to challenge beginning dance must audition in the spring for the following year's class. 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 material costs associated with this course. Students will be given specific information within the first week of the course.</p>
<p><b>ADVANCED DANCE</b>  <b>Course ID: 102523</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Instructor approval required for all students prior to enrollment. Dance, Intermediate Dance, or previous dance experience required. Grade B or better required for all Freshman to enroll.</b></p>	<p>Designed for Advanced Dance students only. This class builds on the skills taught in Dance 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. 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 material costs associated with this course. Students will be given specific information within the first week of the course.</p>

# **DRAMA**

*Please visit us at [www.TheatreAtGraniteBay.org](http://www.TheatreAtGraniteBay.org)*

<b>DRAMA</b> <b>Course ID: 101583</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b> <b>Prerequisites: None</b>	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. Requires one evening performance at the end of the term.
<b>INTERMEDIATE THEATRE ARTS</b> <b>Course ID: 102603</b> <b>Open to grades: 10 - 12</b> <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b> <b>Prerequisites: Grade of C or better in Drama or instructor approval</b>	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. Requires two evening performances throughout the term.
<b>ADVANCED DRAMA (Technical Emphasis)</b> <b>Course ID: 102593</b> <b>Open to grades: 10 - 12</b> <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b> <b>Prerequisites: Grade of B or better in Intermediate Theatre Arts or instructor approval</b>	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. Enrollment in this class will be determined by application/ portfolio submission each fall.
<b>PROFESSIONAL DRAMA</b> <b>Course ID: 103603</b> <b>Open to grades: 10 - 12</b> <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b> <b>Prerequisites: Grade of B or better in Intermediate Theatre</b>	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.
<b>MUSICAL THEATER - Spring</b> <b>Course ID: 103613</b> <b>Open to grades: 10 - 12</b> <b>UC/CSU eligibility: None</b> <b>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.</b>	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 fall. Evening and weekend rehearsal and performances will be required.

## **PHYSICAL EDUCATION**

<p><b>PE 9</b>  <b>Course ID: 501013</b>  <b>Open to grades: 9</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>This class is 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.</p>
<p><b>PE 10</b>  <b>Course ID: 502023</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>PE 10 is designed to build on the skills and knowledge gained in PE 9 as well as introduce new activities, games, and sports with an emphasis on team sports and life-long activities. Students are expected to actively participate daily in cardiorespiratory and muscular fitness exercise, while continuing to reinforce social skills, sportsmanship, and fitness principles.</p>
<p><b>Group Fitness</b>  <b>Course ID: 512113</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of C or better in PE 9 or instructor approval</b></p>	<p>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, yoga, X-bikes, circuit training, weight training, walking, study of nutrition, Zumba, and other fitness activities. May be repeated for credit.</p>
<p><b>MARTIAL ARTS</b>  <b>Course ID: 512203</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of C or better in PE 9 or instructor approval</b></p>	<p>This is a course designed to provide 9th through 12th grade students with an opportunity to learn about and become skilled in the martial arts. This course will promote the principles and philosophies of the martial arts: moral values, self-esteem, discipline, cooperation, respect, self-control, modesty, integrity, perseverance, courage and indomitable spirit. Students will improve their physical flexibility, quickness, strength, and conditioning. They will learn skills in self-defense and proactive methods of conflict avoidance. The instructor will be will be a credentialed physical education instructor may be repeated for credit.</p>
<p><b>WEIGHT CONDITIONING</b>  <b>Course ID: 512153</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>This course is designed to provide the opportunity to develop high levels of fitness through involvement in weight training, running, calisthenics, and dynamic and static flexibility.</p>

## **Physical Education (con't)**

<p><b>ADVANCED WEIGHT TRAINING - Fall</b>  <b>Course ID: 512263</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of B or better in Weight Training or instructor approval.</b></p> <p><b>ADVANCED WEIGHT TRAINING - Spring</b>  <b>Course ID: 512273</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Grade of B or better in Weight Training or instructor approval. Grade 9 MUST successfully complete Summer Top Gun Program.</b></p>	<p>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.</p>
<p><b>ATHLETIC PE - Fall</b>  <b>Course ID: 513253</b>  <b>ATHLETIC PE - Spring</b>  <b>Course ID: 513303</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Varsity Athletes with Coaches approval</b></p>	<p>Designed to assist today's student athletes in balancing the demands of athletics and academics. Areas emphasis will be on learning styles, conditioning, endurance training, sports psychology, tutoring, sports theories, injury prevention, nutrition, self analysis, history of , and application of sports knowledge to lifelong learning. <u>Athletes will sign up for either fall or spring Athletic PE based on coach's recommendation.</u></p> <p><b><u>Note: After sports season ends students enrolled in this class are still expected to attend class &amp; be supervised until end of school day, without exception.</u></b></p>

## SCIENCE

### LIFE SCIENCE

<p><b>CP BIOLOGY</b>  <b>Course ID: 551013</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for “D” Lab Science credit</b>  <b>Prerequisites: Grade of C or better in CCIM1, and English 9 or concurrent enrollment.</b></p>	<p>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, implementing model-based reasoning. Topics studied include cell biology, genetics, evolution, and ecology. Placement Recommendation: Strong reading and reasoning skills are essential. Students reading below grade level may have difficulty.</p>
<p><b>PHYSIOLOGY</b>  <b>Course ID: 553203</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for “D” Lab Science credit</b>  <b>Prerequisites: Grade of B or better in CP Biology, or instructor recommendation.</b></p>	<p>Students will study the structural and functional interrelationships of the systems in the human body through class discussions, labs, slides, models, charts, and dissections. This course is for students who intend to pursue a medically-related career or who are simply interested in a better understanding of the human body. It is strongly recommended that Physiology be taken in the same school year as AP Biology.</p>
<p><b>AP BIOLOGY</b>  <b>Course ID: 557103</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for “D” Lab Science credit</b>  <b>Prerequisites: Grade of B or better in CP Biology, CP Chemistry, and Physiology. Grade of C or better in Honors Chemistry.</b></p>	<p>This is a second course in Biology that is considered to be college level in terms of academic rigor. This class offers an in-depth study of the AP Biology course topics and 8 inquiry labs to develop students’ research skills. 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. Strong reading and reasoning skills are recommended. It is strongly recommended to take Physiology in the fall directly before AP Biology in the spring.</p>
<p><b>IB BIOLOGY HL-1 (Junior Year)</b>  <b>Course ID: 610212</b>  <b>IB BIOLOGY HL-2 (Senior Year)</b>  <b>Course ID: 610222</b>  <b>Open to grades: 11 -12</b>  <b>UC/CSU eligibility: This course is approved for “D” Lab Science credit</b>  <b>Prerequisites: Grade of B or better in CP Chemistry and or Honors Chemistry</b>  <b>Note: Two Year Course</b></p>	<p>Students interested in Health &amp; Science majors are strongly 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 an advanced 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 Ecology and Human Physiology evolution. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>



**LIFE SCIENCE (con't)****FISH AND WILDLIFE****Course ID: 552303****Open to grades: 10 - 12****UC/CSU eligibility: This course is approved for "G" Elective credit****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.

## **PHYSICAL SCIENCE**

<p><b>CP EARTH SCIENCE</b>  <b>Course ID: 601963</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" Elective credit for UCs, but Category "D" lab science for CSUs</b></p>	<p>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 have completed CCIM1 and have strong English skills. For most students, this course should precede Biology.</p>
<p><b>CP CHEMISTRY</b>  <b>Course ID: 603103</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of B or better in CCIM1 and or C or better in CP Biology</b></p>	<p>Designed to provide college preparatory students with a mathematical and laboratory oriented instruction in basic chemistry. 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.</p>
<p><b>HONORS CHEMISTRY</b>  <b>Course ID: 606153</b>  <b>Open to grades: 10 -12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of B or better in CCIM3 .</b></p>	<p>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 the 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.</p>
<p><b>AP CHEMISTRY</b>  <b>Course ID: 607203</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of B or better in Honors Chemistry and concurrent enrollment in AP Calculus.</b></p>	<p>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. Students should be prepared to attend a few Saturday labs and study sessions.</p>
<p><b>IB CHEMISTRY HL-1 (Junior Year)</b>  <b>Course ID: 610412</b>  <b>IB Chemistry HL-2 (Senior Year)</b>  <b>Course ID: 610422</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of B or better in Honors Chemistry and Pre-Calculus</b>  <b>Note: Two Year Course</b></p>	<p>This course is critical for engineering and health science majors. All students will be prepared to take the IB 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, economic, and environmental implications of scientific ideas is key. Special option topics are Biochem. 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. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>

## **PHYSICAL SCIENCE (con't)**

<p><b>CP PHYSICS</b>  <b>Course ID: 603303</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of C or better in CCIM1</b></p>	<p>CP Physics is a course where students learn concepts from a lab- and project-based approach. CP Physics includes the study of mechanics, heat, sound, light, electricity, and magnetism. This course does require CCIM1 skills, but it will not require as much math as AP Physics I. While targeting college-bound students, the course is appropriate for seeking a practical knowledge of science concepts.</p>
<p><b>AP PHYSICS I</b>  <b>Course ID: 607383</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of B or better in CCIM2 and CCIM3</b></p>	<p>AP Physics I will cover the concepts and skills students will need to demonstrate in order to earn college credit by taking and passing the AP Physics I Exam in May. The course covers the classic physics topics of motion (including rotation), forces, momentum, work, energy and power. Waves and sound are also covered and electric circuits are introduced. Students will also experience hands-on, computer-based labs using "live" sensors to collect and analyze data to gather evidence to support specific claims. Students will also design, build, use and evaluate projects to solve real-life problems.</p>
<p><b>AP PHYSICS C (Mechanics)</b>  <b>Course ID: 607403</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "D" Lab Science credit</b>  <b>Prerequisites: Grade of B or better in Honors Pre-Calculus and concurrent enrollment in AP</b></p>	<p>This Calculus based course prepares students for the AP Physics C (Mechanics) exam. 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.</p>

## **SOCIAL SCIENCE**

<p><b>WORLD STUDIES</b>  <b>Course ID: 652103</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "A" History/Social Science credit</b>  <b>Prerequisites: None</b></p>	<p>Designed for general-level and college preparatory students. In this one-term course students will examine major turning points and the cause-and-effect flow of the forces that have shaped the modern world in order to engage in the process of improving their reading comprehension, academic vocabulary, document analysis (primary and secondary), and their ability to communicate verbally and in writing. Students will build on their skills in logic, analytical reading, critical thinking, and high-level expository writing as they study the Development of Modern Political Thought, the Age of Revolutions, Global events leading to World War I, Totalitarianism and World War II, the Cold War, and the era of terrorism. Current events will be interwoven into, and with, the historical content.</p>
<p><b>AP HUMAN GEOGRAPHY</b>  <b>Course ID: 654123</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is pending "A" History/Social Science credit</b>  <b>Prerequisites: None</b></p>	<p>Designed for the university-bound student, this class will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course teaches students to interpret maps, analyze geospatial data, define regions, understand changing interconnections among places, interpret relationships among patterns and processes, and explain the implications of networks and associations, such as political formations, cultural values and economic constraints. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. There will be an emphasis on current events, reading and writing skills and technology will be utilized to explore human interaction and its relationship with the earth. This course follows the College Board's AP Human Geography framework. Students are expected to sign up for and take the AP exam in May. This course satisfies the RJUHSD World Studies graduation requirement.</p>
<p><b>AP EUROPEAN HISTORY</b>  <b>*Course ID: 657151</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "A" History/Social Science credit</b>  <b>Prerequisites: None (see description).</b></p> <p><b>HONORS ENGLISH 10</b>  <b>*Course ID: 206221</b>  <b>Open to grades: 10</b>  <b>UC/CSU eligibility: This course is approved for "B" English credit</b>  <b>Prerequisites: None</b></p>	<p><b>Blocked</b> with Honors English 10 this course is designed for the university-bound student, preparation for college coursework, pacing and 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 World History at selected colleges and universities. This course follows the College Board's AP European History framework.. AP students are expected to sign up for and take the AP exam in May.</p> <p><b>Social Science Department Recommendation: Grade of B or better in English 9</b></p> <p><b><u>*Note: A/B Year Long Block Courses. Must select BOTH Course Id numbers during registration.</u></b></p>

## **SOCIAL SCIENCE (con't)**

<p><b>UNITED STATES HISTORY</b>  <b>Course ID: 653203</b>  <b>Open to grades: 11</b>  <b>UC/CSU eligibility: This course is approved for "A" History/Social Science credit</b>  <b>Prerequisites: None</b></p>	<p>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. Students will engage in the process of sourcing, reading for comprehension, document analysis and organizing evidence in support of a written thesis. Primary and secondary sources of information will be examined and analyzed. Students will build their academic vocabulary, speaking, reading, writing, problem solving and study skills. Curricular units are chronologically based on state standards and include The Foundation of the American Nation (review of Colonial age, Revolution, Constitution, Civil War and Reconstruction), 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.</p>
<p><b>AP UNITED STATES HISTORY</b>  <b>Course ID: 657251</b>  <b>Open to grades: 11</b>  <b>UC/CSU eligibility: This course is approved for "A" History/Social Science credit</b>  <b>Prerequisites: None (see description)</b></p>	<p>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 reading, coursework and testing is a major focus of this course. Students will strengthen their skills in logic, analytical reading, critical thinking, and high-level expository writing. 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. AP students are expected to sign up for and take the AP exam in May. 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 College Board's AP United States History framework.</p> <p><b>Social Science Department Recommendation: Grade of B or better in World Studies and English 10 or C or better in AP European History</b></p>
<p><b>IB HISTORY OF THE AMERICAS HL-1 (Junior Year)</b>  <b>Course ID: 659112</b>  <b>IB HISTORY OF THE AMERICAS HL-2 (Senior Year)</b>  <b>Course ID: 659122</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "A" History/Social Science credit</b>  <b>Prerequisites: None (see description)</b>  <b>Note: Two Year Course</b></p>	<p>This is a college level, two-year course, meeting every other day, through the junior and senior years and is blocked with the IB English class. The curriculum is internationally recognized as university level and students are expected to take an IB HOA test in May of their senior year. A passing score on this test will allow students to waive the required U.S. history course in most colleges. Focus of study is broken into two components, blended over the two year time period: 1) the Causes/Effects of War, Civil Rights, and the Cold War, 2) the comparative history of the Western Hemisphere in the last 100 years. Main goals of the course are preparing students for a rigorous university experience, fine tuning successful academic skills, and acquiring an analytical and international eye for understanding multiple perspectives on major historical events of the last century. IB requires an "Internal Assessment" (college type research paper) for each HOA student. International Baccalaureate courses are open to all Granite Bay High School students. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p> <p><b>Social Science Department Recommendation: Grade of C or better in AP European History</b></p>

## **SOCIAL SCIENCE (con't)**

### **GOVERNMENT**

**\*Course ID: 654304**

**Open to grades: 12**

**UC/CSU eligibility: This course is approved for "A" History/Social Science credit**

**Prerequisites: None**

### **ECONOMICS**

**\*Course ID: 654404**

**Open to grades: 12**

**UC/CSU eligibility: This course is approved for "G" Elective credit**

**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 students to use in making personal economic decisions. A community-service component is required in this course.

**\*Note: Must select BOTH Course ID numbers during registration.**

### **AP GOVERNMENT**

**\*Course ID: 657354**

**Open to grades: 12**

**UC/CSU eligibility: This course is approved for "A" History/Social Science credit**

**Prerequisites: None**

### **ECONOMICS**

**\*Course ID: 654404**

**UC/CSU eligibility: This course is approved for "G" Elective credit**

**Prerequisites: None**

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 AP United States Government framework, the Economics curriculum is non-AP specific and follows state standards.

**\*Note: Must select BOTH Course ID numbers during registration.**

## **SOCIAL SCIENCE (con't)**

### **AP GOVERNMENT - Fall**

**\*Course ID: 657352**

**Open to grades: 12**

**UC/CSU eligibility: This course is approved for "A" History/Social Science credit**

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

Students will 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.

### **AP MICROECONOMICS - Fall**

**\*Course ID: 657462**

**Open to grades: 12**

**UC/CSU eligibility: This course is approved for "G" Elective credit**

**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.**

Students will master the principles of economics that apply to the functions of individual decision makers, both as consumers and producers, within the economic system. The course places primary emphasis on the nature and function of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy.

### **AP MACROECONOMICS - Spring**

**\*Course ID: 657452**

**Open to grades: 12**

**UC/CSU eligibility: This course is approved for "G" Elective credit**

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

Students will gain 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, using basic analytical tools, and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also evaluate the effectiveness of fiscal and monetary policy in promoting economic growth and stability, while examining the impact of international trade and finance.

### **LAW AND JUSTICE - Spring**

**\*Course ID: 654102**

**Open to grades: 12**

**UC/CSU eligibility: None**

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

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, especially focusing on Supreme Court case analysis. Topics include constitutional rights and liberties, civil and criminal law, adult and juvenile justice, family and consumer law.

These four courses are taught in a one-year **BLOCK** by two teachers with students alternating between teachers every other day. Enrollment in one course means enrollment in all four (must select ALL Course ID's during registration). Three are AP level and follow the College Board frameworks, with weighted grades

***\*Note: A/B Year Long Block Courses. Must select ALL 4 Course ID numbers during registration.***

## **SOCIAL SCIENCE (con't)**

<p><b>LEADERSHIP</b>  <b>Course ID: 851403</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>MILITARY HISTORY</b>  <b>Course ID: 653503</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>SPORT CULTURE</b>  <b>Course ID: 651603</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>STUDENT GOVERNMENT - Fall</b>  <b>Course ID: 851363</b>  <b>STUDENT GOVERNMENT - Spring</b>  <b>Course ID:851373</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Application process and instructor consent.</b></p>	<p>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.</p>



## **SOCIAL SCIENCE (con't)**

<p><b>BEGINNING PEER CONNECTIONS</b>  <b>Course ID: 852460</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Application process and instructor consent.</b></p>	<p>This course is designed to train students in counseling and leadership skills and these trained Peer Connections Students will run the Peer Resource Center. Students will be taught active listening skills, how to develop supportive interactions with other students, and how to address interpersonal relationship problems. Students will also be trained to peer counsel, mediate disputes, and facilitate support groups on specific teen-related issues. Peer Connections Students will create and present Wellness Workshops at the PRC, work with other organizations on campus, and maintain an online presence for additional support and resources through the center's website: <a href="http://www.gbpeer2peer.com">www.gbpeer2peer.com</a>.</p>
<p><b>ADVANCED PEER CONNECTIONS</b>  <b>Course ID: 852461</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: Successful completion of Beginning Peer Connections. Application process and instructor consent.</b></p>	<p>The Advanced Peer Connections course requires students to have taken Beginning Peer Connections. The advanced course builds on the skills learned in the beginning course in several ways. Students learn additional skills such as conflict resolution, group facilitation, and program management. Students in this course provide ongoing services to the student body: lunchtime Wellness Workshops, classroom presentations, peer counseling, conflict mediation, and support group discussions. Students will connect with other clubs and organizations on campus to provide support and services in an ongoing effort to improve campus culture. They will also research a teen-related topic important to them and offer services related to their topic. In addition, students run and manage the Peer Resource Center by joining or leading a committee, handling social media, managing the PRC website, organizing events, and more. For more information about the Peer Resource Center, please go to <a href="http://www.gbpeer2peer.com">www.gbpeer2peer.com</a>.</p>
<p><b>IB PSYCHOLOGY SL-1 (Junior Year)</b>  <b>Course ID: 653084</b>  <b>IB PSYCHOLOGY SL-2 (Senior Year)</b>  <b>Course ID: 653094</b>  <b>Open to grades: 11—12</b>  <b>UC/CSU eligibility: This course is approved for "G" elective credit</b>  <b>Prerequisites: None</b>  <b>Note: Two Year Course</b></p>	<p><b>SL-1:</b> Psychology is the systematic study of behavior and mental processes. IB Psychology examines the interaction of biological, cognitive, and sociocultural influences on human behavior, thereby adopting an integrative approach. IB Psychology students will develop an awareness of how psychological research can be applied for the benefit of human beings, ensure that ethical practices are upheld in psychological inquiry, develop an understanding of the biological, cognitive, and sociocultural influences on human behavior, develop an understanding of alternative explanations of behavior, and understand and use diverse methods of psychological inquiry. Students will study at least one of the following options to be determined by the instructor: Abnormal psychology, Developmental psychology, Health psychology, Psychology of Human Relationships, and Sports psychology. An internal assessment will be conducted in the fall/winter and will require the student to write a report over a simple psychological experiment they will design, conduct and analyze. In the senior year, students conduct a basic cognitive experiment and write a 1,500 word APA format report. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p> <p><b>SL-2:</b> This course is a continuation of IB Psychology SL-1.. Students will study at least one of the following options to be determined by the instructor: Abnormal psychology, Developmental psychology, Health psychology, Psychology of Human Relationships, and Sports psychology. Note: An internal assessment will be conducted in the fall/winter and will require the student to write a report over a simple psychological experiment they will design, conduct and analyze. This course will place heavy emphasis on writing as a way of thinking through the use of the internal assessment. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>

## **SOCIAL SCIENCE (con't)**

<p><b>IB THEORY OF KNOWLEDGE 1 - Spring (Junior Year)</b>  <b>Course ID: 163552</b>  <b>IB THEORY OF KNOWLEDGE 2 - Fall (Senior Year)</b>  <b>Course ID: 163562</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" Elective credit</b>  <b>Prerequisites: None</b></p>	<p>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. International Baccalaureate courses are open to any Granite Bay High School student. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>
<p><b>IB WORLD RELIGIONS SL-1—Fall</b>  <b>Course ID:652214</b>  <b>IB WORLD RELIGIONS SL-2—Spring</b>  <b>Course ID: 652224</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" elective credit</b>  <b>Prerequisites: None (see description)</b>  <b>Note: Year Long Course</b></p>	<p>This course also serves to create an understanding of world religions and how other people, throughout the world, view and understand religion. There is an expectation of a maturity level for the student who takes this class, a level that will require tolerance and open-mindedness when learning and discussing other religions. The World Religions class will study 5 different world religions throughout the course of study. After an overview of key concepts of the five religions, two of the religions will be studied much more in-depth. By the end of the course, students will have completed a 1,500-1,800 self-study/investigative research paper on an aspect of one of the religions. International Baccalaureate courses are open to any Granite Bay High School student. All IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.  <b>Social Science Department Recommendation: Grade of B or better in previous year's English and History course</b></p>
<p><b>SOCIAL PSYCHOLOGY</b>  <b>Course ID: 653653</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" credit</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>AP PSYCHOLOGY</b>  <b>Course ID: 654133</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "G" elective credit</b>  <b>Prerequisites: None</b></p>	<p>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. AP students are expected to sign up for and take the AP exam.</p>

## VISUAL ARTS

<p><b>ART 1</b>  <b>Course ID: 101013</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>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, Photoshop, and learning about other artists. Emphasis will be in learning and developing techniques necessary to complete assignments in various media, i.e. graphite, oil pastel, and tempera. Students will also use their imagination to develop creative and expressive works of art.</p>
<p><b>ART 2</b>  <b>Course ID: 102023</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Completion of Art 1 with a grade of C or better, or instructor approval.</b></p>	<p>This course emphasizes Acrylic painting on canvas, airbrush, graphite portraits, 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.</p>
<p><b>ART 3</b>  <b>Course ID: 103033</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Completion of Art 2 with a grade of C or better, or instructor approval.</b></p>	<p>This course follows Art 2 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. In this class students will develop their style of art making. Students will be able to complete their VAPA graduation requirements.</p>
<p><b>ART 4</b>  <b>Course ID: 103043</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Completion of Art 3 with a grade of C or better, or instructor approval.</b></p>	<p>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 can include printmaking, acrylics, 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.</p>
<p><b>AP STUDIO ART - Spring</b>  <b>Course ID: 107113</b>  <b>Open to grades: 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Completion of Art 4.</b></p>	<p>This is an advanced performance-based course emphasizing development of a portfolio of work that will be graded by secondary and college instructor. 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. AP students are expected to sign up for and take the AP exam.</p>

## **VISUAL ARTS (con't)**

<p><b>AP ART HISTORY - Spring</b>  <b>Course ID: 107123</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>This course will enable students, regardless of level of art experience, to develop skills in appreciating artwork, with an emphasis on contextual and visual analysis. By examining works of art from diverse cultures and the relationships among these works, students develop an understanding of global artistic traditions. The study of art history aids students in making connections between the various disciplines, enhancing their understanding of politics, literature, philosophy, science, religion, and culture. AP Art History prepares students for travel and to develop an appreciation of art regionally and globally. The class will prepare students for the Advanced Placement Examination. Students enrolled in the class are expected to take the AP exam. Outside attendance of</p>
<p><b>CERAMICS 1</b>  <b>Course ID: 101043</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>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.</p>
<p><b>CERAMICS 2</b>  <b>Course ID: 102053</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of A in Ceramics 1 for both Final Quarter Marks</b></p>	<p>Designed to give students an opportunity to concentrate in hand-built sculpture and wheel-thrown pottery. Students will be expected to perform at an advanced level and develop an individual style. Students will become acquainted with works from master artists 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 may be required to build a portfolio and be responsible for organizing art shows featuring their own work and will write a research paper. Attendance of student art shows outside of class may be required. There are material costs associated with projects in this course. The instructor will give you specific information within the first week of the course. May repeat for credit.</p>
<p><b>CERAMICS 3</b>  <b>Course ID: 103063</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of A in Ceramics 1 &amp; 2 for both Final Quarter Marks</b></p>	<p>Designed to give students an opportunity to concentrate in hand-built sculpture and wheel-thrown pottery. Students will be expected to perform at an advanced level and develop an individual style. Students will become acquainted with works from master artists 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 may be required to build a portfolio and be responsible for organizing art shows featuring their own work and will write a research paper. Attendance of student art shows outside of class may be required. There are material costs associated with projects in this course. The instructor will give you specific information within the first week of the course. May repeat for credit.</p>
<p><b>IB VISUAL ARTS SL-1 - Fall</b>  <b>Course ID: 163514</b>  <b>IB VISUAL ARTS SL-2 - Spring</b>  <b>Course ID: 163524</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Completion of Art 1</b>  <b>Note: Year Long Course</b></p>	<p>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. International Baccalaureate courses are open to any Granite Bay High School. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>

## **VISUAL ARTS (con't)**

<p><b>IB VISUAL ARTS HL-1 (Junior Year)</b>  <b>Course ID: 163532</b>  <b>IB VISUAL ARTS HL-2 (Senior Year)</b>  <b>Course ID: 163542</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Completion of Art 1</b>  <b>Note: Two Year Course</b></p>	<p>This is a more in-depth study than SL-1 and SL-2. Because the class takes longer to complete students are required to produce about 6 additional works and quality of the works will increase with the additional time and with an increase in the required number of completed works. SL requires 12 works and HL requires 18. 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. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.</p>
<p><b>PHOTOGRAPHY 1</b>  <b>Course ID: 101083</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: None</b></p>	<p>An introductory course exploring the functions of the DSLR camera, the exposure triangle, and use of modes and settings will be addressed. A strong emphasis will be placed on a variety of picture taking techniques and effective compositions, through a variety of assigned photography projects. Students will learn applicable Elements and Principles of Art and address the California Art Standards as they apply to Photography. Technology will be incorporated daily. Students will learn to use Adobe Photoshop to manipulate and enhance digital photographs. Students will be exposed to the history of photography, influential photographers, as well as photography used in fine art, journalism, and current events. All classes are multi-grade. Time management is an important aspect of student success. Classes are project driven with regular deadlines. Strong academic skills are a plus.</p>
<p><b>PHOTOGRAPHY 2</b>  <b>Course ID: 102093</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "F" VAPA credit</b>  <b>Prerequisites: Grade of B or better in Photography 1 for both final grade marks.</b></p>	<p>This course is designed to provide students with an advanced experience in photography which will enable students to continue to explore their individual passions as well as learn career opportunities in photography. Use of different lenses, studio work, location photography, and advanced Photoshop techniques will be developed. Students will further refine picture taking techniques and apply those techniques to assigned photography projects. Various technology will be used daily. Students will further build their Adobe Photoshop skills and apply these skills in various projects. Students will be exposed to various famous photographers as well as photography used in fine art, journalism, and current events. All classes are multi-grade. Time management is an important aspect of student success. Classes are project driven with regular deadlines. Strong academic skills are expected. Showing and submitting your work to student competitions is strongly encouraged.</p>

## **WORLD LANGUAGES**

<p><b>FRENCH 1</b>  <b>Course ID: 251113</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for “E” Language credit</b>  <b>Prerequisites: Grade of B or better in English</b></p>	<p>This course provides students with opportunities to hear, speak, read, and write a world language as well as gain understanding of foreign cultures. Recommended B or better in previous English class.</p>
<p><b>FRENCH 2</b>  <b>Course ID: 252123</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for “E” Language credit</b>  <b>Prerequisites: Grade of B or better in level 1 course</b></p>	<p>These courses will continue the development of skills introduced in French 1, Spanish 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.</p>
<p><b>FRENCH 3</b>  <b>Course ID: 253133</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for “E” Language credit</b>  <b>Prerequisites: Grade of B or better in level 2 or instructor approval</b></p>	<p>Conducted entirely in French, these courses focus on oral communication. The honing of reading and writing skills is stressed, and a greater emphasis is placed on francophone countries outside of Europe. These courses include class discussions, spontaneous dialogues, composition, and literature.</p>
<p><b>HONORS FRENCH 4</b>  <b>Course ID: 256153</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for “E” Language credit</b>  <b>Prerequisites: Grade of B or better in French 3</b></p>	<p>This advanced French course is 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 within a variety of themes and contexts via immersion in the language. Students may choose to this as a stand alone course or continue into AP French.</p>
<p><b>AP FRENCH</b>  <b>Course ID: 257163</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for “E” Language credit</b>  <b>Prerequisites: Grade of B or better in Honors French 4</b></p>	<p>This advanced French course is a 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 within a variety of themes and contexts via immersion in the language. At the end of the term students will have the option of taking the AP exam.</p>

## **WORLD LANGUAGES (con't)**

<p><b>SPANISH 1</b>  <b>Course ID: 251313</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "E" Language credit</b>  <b>Prerequisites: Grade of B or better in English</b></p>	<p>These courses provide students with opportunities to hear, speak, read, and write a world language as well as gain understanding of foreign cultures.</p>
<p><b>SPANISH 2</b>  <b>Course ID: 252323</b>  <b>Open to grades: 9 - 12</b>  <b>UC/CSU eligibility: This course is approved for "E" Language credit</b>  <b>Prerequisites: Grade of B or better in level 1 course</b></p>	<p>These courses will continue the development of skills introduced in French 1, Spanish 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.</p>
<p><b>SPANISH 3</b>  <b>Course ID: 253333</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "E" Language credit</b>  <b>Prerequisites: Grade of B or better in level 2 or instructor approval</b></p>	<p>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.</p>
<p><b>HONORS SPANISH 4</b>  <b>Course ID: 256353</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: This course is approved for "E" Language credit</b>  <b>Prerequisites: Grade of B or better in Spanish 3</b></p>	<p>Designed to complete the Spanish curriculum for Levels 1 - 4, this one-term (18 weeks) course will provide college-bound students with an opportunity to consolidate and perfect proficiency by extending their communicative abilities in a variety of contexts, timeframes, and moods. In addition, students will also gain functional knowledge of key cultural concepts from various Spanish-speaking countries. Students who complete this course with a "B" or better, and who pass English with a "C" or better, can apply for the "Seal of Biliteracy" during their Senior year.  <b>World Language Department Recommendation: Taking with AP Spanish—Spring in the same school year.</b></p>
<p><b>AP SPANISH - Spring</b>  <b>Course ID: 257363</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: This course is approved for "E" Language credit</b>  <b>Prerequisites: Grade of B or better in Honors Spanish 4</b></p>	<p>This course provides students with the language learning experiences that will enable them to communicate in Spanish in a wide range of situations. Students will explore language concepts within a variety of themes and contexts. 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. This is a year-long course, culminating with the AP Spanish Language and Culture Exam. * Please note that this is a separate series from the stand-alone Honors Spanish 4 and also from IB Spanish. Students who wish to take AP Spanish must enroll in this year-long blocked class. Students who complete this course with a "B" or better, and who pass English with a "C" or better, can apply for the "Seal of Biliteracy" during their Senior year  <b>World Language Department Recommendation: Taking Honors Spanish in the same school year.</b></p>

## **WORLD LANGUAGES (con't)**

**IB SPANISH SL-1 - Fall**

**Course ID: 258314**

**IB SPANISH SL- 2 - Spring**

**Course ID: 258324**

**Open to grades: 11 - 12**

**UC/CSU eligibility: This course is approved for "E" Language credit**

**Prerequisites: Grade of B or better in Spanish 3**

**NOTE: Year Long Course**

This advanced course is a year-long course that provides students with the language learning experiences that will enable them to communicate in Spanish in a wide range of situations. 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, all centered around lessons that are thematically driven. The cultural context of the Spanish speaking countries will provide exposure to the current events, the ideas, and the attitudes of these nations, creating an appreciation of cultural and international diversity. 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. International Baccalaureate courses are open to any Granite Bay High School student. Applicable IB exam and registration fees apply. ALL students enrolled in IB courses are required to complete the entire course and sit for the external exams in May.



## Special Programs

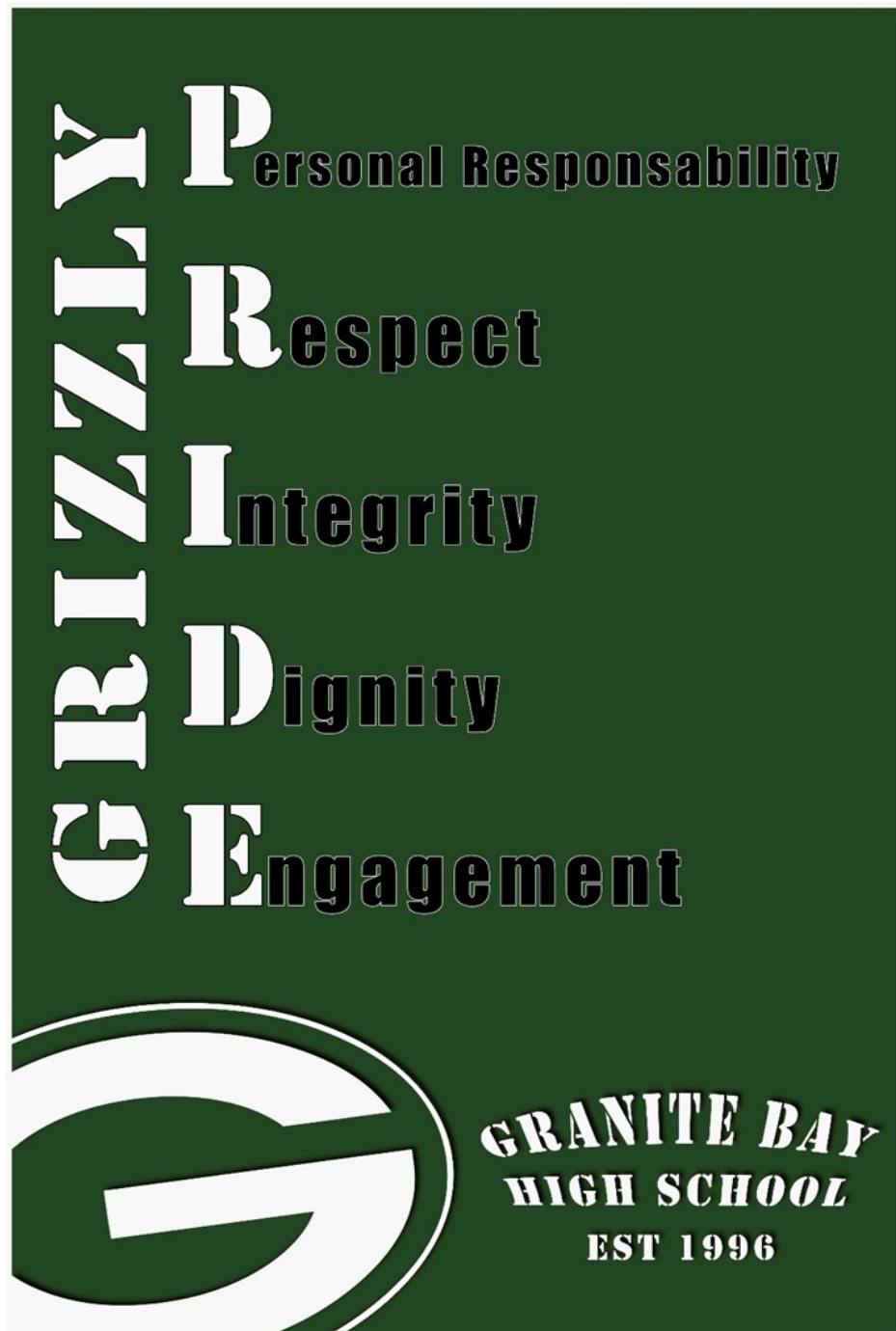
<p><b>LIBRARY SCIENCE 1</b>  <b>Course ID: 852613</b>  <b>Open to grades: 10 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: The following are all considered to determine if a student is eligible to enroll as a LS1: 3.0 GPA, on track for A-G, good attendance, completed aid application, and completion of Personal Finance Course.</b></p>	<p>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 instructors.</p>
<p><b>LIBRARY SCIENCE 2</b>  <b>Course ID: 852623</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: The following are all considered to determine if a student is eligible to enroll as a LS2: 3.0 GPA, on track for A-G, good attendance, completed aid application, and completion of Personal Finance Course.</b></p>	<p>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.</p>
<p><b>LIBRARY SCIENCE 3</b>  <b>Course ID: 852633</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: The following are all considered to determine if a student is eligible to enroll as a LS3: 3.0 GPA, on track for A-G, good attendance, completed aid application, and completion of Personal Finance Course.</b></p>	<p>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.</p>
<p><b>TEACHER AIDE</b>  <b>Course ID: 703003</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: The following are all considered to determine if a student is eligible to enroll as a TA: 3.0 GPA, on track for A-G, good attendance, completed aid application, and completion of Personal Finance Course.</b></p>	<p>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 instructor, 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. NOTE: students requesting TA positions must meet all requirements of being a TA, and should have an alternate course chosen in the event that they don't meet eligibility requirements, or if the period and teacher they requested are not available.</p>
<p><b>TEACHER INTERN</b>  <b>Course ID: 753353</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: The following are all considered to determine if a student is eligible to enroll as a TI: 3.0 GPA, on track for A-G, good attendance, completed aid application and completion of Personal Finance Course.</b></p>	<p>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. Instructors will provide an initial orientation in effective teaching techniques. Interns will be expected to work closely with the instructor 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 instructor/admin approval. NOTE: students requesting TI positions must meet all requirements of being a TI, and should have an alternate course chosen in the event that they don't meet eligibility requirements, or if the period and teacher they requested are not available.</p>
<p><b>Off Campus 1 - Fall (aka: OC 1 - Fall)</b>  <b>Course ID: 959132</b>  <b>Off Campus 1 - Spring (aka: OC 1 - Spring)</b>  <b>Course ID: 959122</b>  <b>Off Campus 4 - Fall (aka: OC 4 - Fall)</b>  <b>Course ID: 959432</b>  <b>Off Campus 4 - Spring (aka: OC 4 - Spring)</b>  <b>Course ID: 959422</b>  <b>Open to grades: 11 - 12</b>  <b>UC/CSU eligibility: None</b>  <b>Prerequisites: The following are all considered to determine if a student is eligible to enroll as Off Campus: 3.0 GPA, on track for A-G, good attendance, completed aid application and completion of Personal Finance Course.</b></p>	<p>Off Campus" is not really a course but a placeholder on students' schedules if they opt to not have a full 4-period schedule in a given term. Please be advised that having an off campus period has specific eligibility requirements that must be met, and students who do not meet these requirements will have to take another class. OC is only offered 1st or 4<sup>th</sup> period. Students with off campus periods cannot park at Feist Park, as the gate between Feist Park and GBHS will be locked during the school day from beginning of 1<sup>st</sup> period to the end of 4<sup>th</sup>. Students are expected to check out daily at the front gate when leaving campus (applies to 4<sup>th</sup> period OC only). Seniors may have just 1 OC period each term (maximum two per year: 1 fall, 1 spring), and juniors may only have 1 OC period their entire junior year.</p>

## **SPECIAL EDUCATION**

<b>ACADEMIC LAB A - Fall</b> <b>Course ID: 211243</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Academic Lab A is primarily designed to support IEP goals in the area of Language Arts. These goals are addressed through direct instruction language arts curriculum. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>ACADEMIC LAB A - Spring</b> <b>Course ID: 211245</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Academic Lab A is primarily designed to support IEP goals in the area of Language Arts. These goals are addressed through direct instruction language arts curriculum. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>ACADEMIC LAB B - Fall</b> <b>Course ID: 403303</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Academic Lab B is primarily designed to support IEP goals in the area of Math. These goals are addressed through direct instruction math curriculum. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>ACADEMIC LAB B - Spring</b> <b>Course ID: 403305</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Academic Lab B is primarily designed to support IEP goals in the area of Math. These goals are addressed through direct instruction math curriculum. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>ACADEMIC LAB C - Fall</b> <b>Course ID: 808803</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Academic Lab C is primarily designed to support IEP goals, study skills, support for core academic classes, and transition activities. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>ACADEMIC LAB C - Spring</b> <b>Course ID: 808805</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Academic Lab C is primarily designed to support IEP goals, study skills, support for core academic classes, and transition activities. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>FUNCTIONAL ACADEMICS - Fall</b> <b>Course ID: 808913</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Functional Academics is designed to build independence in real world applications working towards student's transition plan and includes instruction in core academics as applied to life. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>
<b>FUNCTIONAL ACADEMICS - Spring</b> <b>Course ID: 808815</b> <b>Open to grades: 9 - 12</b> <b>UC/CSU eligibility: None</b>	Functional Academics is designed to build independence in real world applications working towards student's transition plan and includes instruction in core academics as applied to life. <b>Recommendation from the Special Services Coordinator is required for enrollment.</b>

## GRIZZLY PRIDE

The Grizzly Community shares clearly defined behavioral expectations that promote personal and academic responsibility. Show your Grizzly PRIDE by exhibiting Personal Responsibility, Respect, Integrity, Dignity, and Engagement both inside and outside of the classroom.



NOTE: for additional details about school policies and student behavior expectations, please refer to the GBHS Student Handbook, which is found on the school webpage. Find it at: [www.granitebayhigh.org](http://www.granitebayhigh.org), and go to "Parent/Student Resources" (see H for Handbook).



## CTE WORKS Course Bulletin 2017-18

### WHAT IS CTE WORKS?

CTE WORKS (formerly 49er ROP) provides an opportunity to explore future career opportunities while mastering the necessary skills needed for college, advanced training, or positions in business and industry. Classroom instruction by industry experienced instructors and supervised hands-on training in a laboratory setting or training sites combines academic knowledge with new technical skills to **increase career AND college readiness**.

- Available for high school seniors, juniors, and qualifying sophomores.
- Select classes require a training site (called “community classroom” courses).
- Many classes are taught entirely in-classroom.
- Classes vary in length, from a 1 to 3-hour class/training periods per day.
- Classes may be taken within the student’s regular class day or during a period of time that extends outside the regular school day.
- Students **must be able to provide their own transportation** to training sites and to classes held at locations other than the student’s campus.
- In order to receive a Certificate of Completion, the student must complete the course with at least 95% attendance, a grade of C or better, and master 80% of the core competencies.
- Most classes only accept students in the fall semester.

### CTEWORKS PROVIDES...

- Preparation for post-secondary education and/or training.
- Valuable hands-on experience to improve students’ college and career readiness.
- Credit toward high school graduation.
- Many UC-approved courses that meet required a-g guidelines.
- Community college credits in many classes.
- Certificate of Completion.
- Internships at local businesses.

### LOCATIONS...

- Various High School Campuses
- CTE WORKS Center in Auburn
- Auburn Fire Station #3 in Auburn

### BLENDED INSTRUCTION...

- Courses noted as (Blended Format) split class meetings days between in-class and online.

## **AP COMPUTER SCIENCE A**

**Course ID:** 754993

**Class Location:** Roseville HS (Blended format)

**Grade Level:** 11-12

**Length of Course:** Full school year

**Internship Included:** No

**Recommended Preparation:** Algebra II (concurrent enrollment or previously completed); Math and computer applications

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

**UC Course Approval:** UC "g" (elective)

Enter the exciting and lucrative world of programming and game development. Make a video game, a virtual pet, and a sound editor (you can hear yourself speak backwards). Explore careers in programming, including the booming world of wireless applications (iOS and Android apps). In preparation for the College Board's AP Computer Science exam, the course emphasizes object-oriented Programming methodology with a concentration on problem solving and algorithm development. The course is meant to be the equivalent of a first-semester, college-level course in computer science.

Self-discipline is critical to success due to the significant online material and the rigorous academic level.

## **ARCHITECTURE, CONSTRUCTION, AND ENGINEERING**

**Course ID:** 754383

**Class Location:** Granite Bay HS

**Grade Level:** 11-12

**Length of Course:** Full school year

**Internship Included:** Yes. Self-provided transportation required.

**Recommended Preparation:** A strong interest in Architecture, Construction, or Engineering. CAD Drafting experience will help, but is not required.

Gain the educational background and practical experience necessary for successful employment in a variety of occupations in the construction field. Learn skills that are in-demand and essential for employment in drafting, carpentry, construction supply, sheet metal, heating and air conditioning, electrical, plumbing, and cabinet making. Course delivery includes classroom and on the job training.

## **DENTAL CAREERS**

**Course ID:** 754773

**Class Location:** CTE WORKS Center, Auburn (SUBJECT TO CHANGE) (Blended format)

**Grade Level:** 11-12

**Length of Course:** Full school year

**Internship Included:** Yes. Self-provided transportation required.

**Requirements:** DOJ Background check, proof of immunizations and negative TB. Please refer to the CTEWORKS website for details.

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

**College Articulation:** Sierra College

Experience careers in the dental field with a hands-on study of dental office practices. Learn about industry standards and ethics. Training in dental terminology, anatomy, physiology, disease process, and dental asepsis. Develop in-demand skills in sterilization, 4-6 handed dental assisting, patient care, and front-office techniques. Internships may be located in dental offices/clinics or dental labs.

## **FIRE SCIENCE CAREERS**

**Course ID:** 754833

**Class Location:** Maidu Fire Station #3, Auburn

**Grade Level:** 11-12

**Length of Course:** Full school year

**Internship Included:** Yes. Self-provided transportation required.

**Requirements:** Agency-required background questionnaire

**Recommended Preparation:** Algebra, geometry and biology

**College Articulation:** Sierra College

Train for the physically and mentally demanding career of a firefighter, with instruction in fire behavior and extinguishment theory, wild land fire operations, fire protection and safety, and first responder operations. Learn and practice skills used by firefighters such as emergency medical aide, CPR and first aid, and use and maintenance of equipment (hoses and appliances, ground ladders, ropes). Internships will be in local fire stations or at Cal Fire.

## **HEALTH CAREERS**

**Course ID:** 757730

**Class Location:** *CTE WORKS Center, Auburn (Blended format)*  
*Oakmont HS (Blended format)*

**Grade Level:** 11-12

**Length of Course:** Full school year

**Internship Included:** Yes. Self-provided transportation required.

**Recommended Preparation:** Biology or life science

**Requirements:** DOJ Background check, proof of immunizations and negative TB. Please refer to the CTEWORKS website for details.

**College Articulation:** Sierra College.

**Graduation Credit:** Life Science (NJUHSD, PUHSD, WPUUSD, RUSD)

In-depth, hands-on instruction in applied anatomy and physiology, disease processes, terminology, standards and ethics, patient care and practices, procedures, vital signs, and CPR for Health Care Providers. Internship opportunities offer cross-training in a wide variety of areas of the hospital and convalescent hospitals, emergency facilities, and outpatient medical settings.

## **INTEGRATED ANIMAL SCIENCE**

**Course ID:** 754923

**Class Location:** *Lincoln HS Farm, Lincoln (Blended format)*

**Grade Level:** 11-12

**Length of Course:** Full school year.

**Internship Included:** Yes. Self-provided transportation required.

**Recommended Preparation:** Biology and Algebra, Animal science, Life Science, Anatomy and Physiology.

**Requirements:** Proof of immunizations and negative TB. Please refer to the CTEWORKS website for details.

**College Articulation:** Yuba College.

**UC Course Approval:** UC "d" (life science)

Experience the clinical setting of small and large animal health care, through the study of common diseases (pathology), veterinary and diagnostic laboratory procedures, anatomy and physiology, medical and animal terminology, handling and restraint techniques, and client relations and office procedures.

Internship opportunities may include veterinary clinics, horse ranches, zoos and exotic animal facilities. Clinical experience at internships may count towards meeting the prerequisite for admission to Veterinary Technician programs and Schools of Veterinary Medicine.

## **MEDICAL ASSISTING, CLINICAL**

**Class ID:** 757760

**Class Location:** *CTE WORKS Center, Auburn (Blended format)*

**Grade Level:** 11-12 (Students must be 18 while enrolled in class)

**Length of Course:** Full school year.

**Internship Included:** Yes. Self-provided transportation required.

**Requirements:** DOJ background check, proof of immunizations and negative TB, drug screening. Please refer to the CTEWORKS website for details.

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

**College Articulation:** Sierra College

Prepare for employment as a Clinical Medical Assistant in an office, clinic or health care center. Learn and demonstrate in-demand skills needed to progress to a clinical setting including; vital signs, preparing patients for examinations, collecting specimens, performing diagnostic tests, venipuncture, administration of medication including injections, and pharmacology and electrocardiograms. Additional instruction includes, ethics and liability, therapeutic communication skills, universal precautions, CPR and first aid for Health Care Providers, medical terminology, as well as anatomy and physiology.

<b>Course Title</b>	<b>Department:</b>	<b>Page #:</b>
3D Animation	Career Tech Ed (CTE)	23
Academic Lab A, B and C	Special Education	58
Access Math	Math	29
Advanced 3D Animation	Career Tech Ed (CTE)	23
Advanced Dance	Performing Arts	36
Advanced Drama	Performing Arts	37
Advanced Guitar	Performing Arts	34
Advanced Journalism (Newspaper)	English	27
Advanced Media Production	Career Tech Ed (CTE)	22
Advanced Peer Connections	Social Science	49
Advanced Piano	Performing Arts	34
Advanced Weight Training	PE	39
AP Art History	Visual Arts	52
AP Biology	Science	40
AP Calculus AB	Math	30
AP Calculus BC	Math	30
AP Chemistry	Science	42
AP Computer Science Principles	Science	19
AP European History BLOCK w/Honors English 10	Social Science	44
AP French	World Language	54
AP Government BLOCK w/AP Micro/AP Macro/Law & Justice	Social Science	47
AP Human Geography	Social Science	44
AP Government / Economics	Social Science	46
AP Language & Composition	English	25
AP Literature & Composition	English	25
AP Macroeconomics BLOCK w/AP Gov/AP Micro/Law & Justice	Social Science	47
AP Microeconomics BLOCK w/AP Gov/ AP Macro/ Law & Justice	Social Science	47
AP Physics C (Mechanics)	Science	43
AP Physics I	Science	43
AP Psychology	Social Science	50
AP Spanish	World Language	55
AP Statistics	Math	30
AP Studio Art	Visual Arts	51
AP United States History	Social Science	45
Art 1, 2, 3 and 4	Visual Arts	51
Athletic PE	PE	39
Band	Performing Arts	32
Beginning Peer Connections	Social Science	49
Beginning Piano	Performing Arts	34
Brass/Woodwind Ensemble	Performing Arts	32
Business Communications	Career Tech Ed (CTE)	17
CCIM1/CCIM2/CCIM3	Math	52
Ceramics 1, 2 and 3	Visual Arts	29
Chamber Choir	Performing Arts	35
Civil Engineering and Architecture	Career Tech Ed (CTE)	21
Color Guard	Performing Arts	32
Competitive Debate	English	26
Competitive Forensics	English	27

<b>Course Title</b>	<b>Department:</b>	<b>Page #:</b>
Concert Choir	Performing Arts	35
CP Biology Science	Science	40
CP Chemistry	Science	42
CP Earth Science	Science	42
CP English 10	English	24
CP English 11	English	24
CP English 12	English	25
CP English 9	English	24
CP Physics	Science	43
Dance	Performing Arts	36
Drama	Performing Arts	37
EAP Senior Math Experience	Math	29
ELD English 1	English	26
ELD English 3 BLOCK w/SDAIE English 9-12	English	26
Engineering Design and Development	Career Tech Ed (CTE)	21
Exploring Computer Science	Career Tech Ed (CTE)	19
Fish and Wildlife	Science	41
French 1, 2 and 3	World Language	54
Functional Academics	Special Education	58
Government BLOCK w/Economics	Social Science	46
Group Fitness	PE	38
Guitar	Performing Arts	33
Health and Wellness	Health	28
Honors Chemistry	Science	42
Honors English 10	English	24
Honors English 10 BLOCK w/AP European History	English	24
Honors French 4	World Language	54
Honors Pre-Calculus	Math	30
Honors Spanish 4	World Language	55
IB Biology HL-1 & HL-2	Science	40
IB Business Management SL-1 & SL-2	Career Tech Ed (CTE)	18
IB Chemistry HL-1 & HL-2	Science	42
IB English HL-1 and HL-2	English	25
IB Film SL-1 & SL-2	Career Tech Ed (CTE)	22
IB History of the Americas HL-1 & HL-2	Social Science	45
IB Math SL-1 & SL-2	Math	31
IB Psychology SL-1 & SL -2	Social Science	49
IB Spanish SL-1 & SL-2	World Language	56
IB Theory of Knowledge 1 & 2	Social Science	50
IB Visual Arts HL-1 & HL-2	Visual Arts	53
IB Visual Arts SL-1 & SL-2	Visual Arts	52
IB World Religions SL-1 & SL-2	Social Science	50
Information Technology Essentials (GBiT)	Career Tech Ed (CTE)	19



<b>Course Title</b>	<b>Department:</b>	<b>Page #:</b>
Integrated Mathematics 1 (CCIM1)	Math	52
Integrated Mathematics 2 (CCIM2)	Math	52
Integrated Mathematics 3 (CCIM3)	Math	52
Intermediate Dance	Performing Arts	36
Intermediate Guitar	Performing Arts	34
Intermediate Theatre Arts	Performing Arts	37
Intro Sports & Entertainment Marketing	Career Tech Ed (CTE)	17
Introduction to Engineering & Design	Career Tech Ed (CTE)	21
Jazz Ensemble	Performing Arts	33
Journalism	English	27
Law and Justice	Social Science	47
Leadership	Social Science	48
Library Science 1, 2 and 3	Special Programs	57
Marching Band	Performing Arts	32
Martial Arts	PE	38
Media Production	Career Tech Ed (CTE)	22
Military History	Social Science	48
Musical Theater	Performing Arts	37
PE 10	PE	38
PE 9	PE	38
Percussion Ensemble	Performing Arts	33
Photography 1 and 2	Visual Arts	53
Physiology	Science	40
Pre-Calculus	Math	30
Principles of Business	Career Tech Ed (CTE)	17
Principles of Engineering	Career Tech Ed (CTE)	21
Professional Drama	Performing Arts	37
SDAIE English 9-12 BLOCK w/ELD English	English	26
Social Psychology	Social Science	50
Spanish 1, 2 and 3	World Language	55
Speech and Debate	English	27
Sport Culture	Social Science	48
Student Government	Social Science	48
Symphonic Band	Performing Arts	33
Teacher Aide	Special Programs	57
Teacher Intern	Special Programs	57
Technology Leadership (GBiT)	Career Tech Ed (CTE)	20
United States History	Social Science	45
Weight Conditioning	PE	38
World Studies	Social Science	44
Yearbook	English	27