

GRANITE BAY HIGH SCHOOL



www.granitebayhigh.org

Four-Year Planning Guide 2012 - 2013

Mission

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

Expected Schoolwide Learning Results (ESLRs)

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

FORWARD

Dear Student and Parents:

Our primary purpose at Granite Bay is to prepare students for what happens after high school. This booklet is intended to assist students and parents with charting a student's four-year progress through the coursework required for graduation and beyond. Three questions should be discussed and answered between the student and parents in order to use this guide to prepare an appropriate Four-Year Plan.

Question # 1: What is your primary goal after high school?

- a. Attend a 2-year college before enrolling in a 4-year college or university
- b. Gain and enhance career-technical skills and experiences while meeting minimum college admission requirements in order to participate in a two-year technical training program
- c. Gain and enhance college and career readiness in order to be competitive for admission to a major college or university.
- d. Join the military

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

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

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

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

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

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

Our goal is to provide the best information we can so that parents and students can develop an academic and career preparation plan that best meets our students' post-secondary goals. Your active involvement in this process is critical to your student's success.

This 2012-2013 Planning Guide is available on the school web site at: www.granitebayhigh.org

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SECTION 1: GENERAL INFORMATION

4 x 4 BLOCK SCHEDULE

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

GRADUATION REQUIREMENTS:

I. Satisfactory citizenship and attendance

II. 260 credits including the following required subjects:

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

English40 credits (grades 9, 10, 11, 12)

Math20 credits – Includes successful completion of Algebra I (or higher) and one additional math class beyond Algebra 1 (Geometry or higher).

Social Science30 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)

Science20 credits (must be UC/CSU approved) to include:

Biological Science -10 credits and

Physical Science -10 credits

Physical Education20 credits to include:

Physical Education 9 -10 credits

Physical Education 10 -10 credits

Health and Safety10 credits

Fine Arts or World Language10 credits

Additional Credits110 credits

III. Pass the California High School Exit Exam

GRADE POINT AVERAGES

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

- **Unweighted Academic GPA** – All courses taken in the respective years (i.e. 9-12 GPA, 10-12 GPA) are used in the calculation with the exception of PE courses. No courses are weighted.
- **Weighted Academic GPA** – All courses taken in the respective years are calculated with the exception of PE courses; Honors, AP and IB courses receive an extra weighted point if the grade earned is 'C' or better. Colleges do not accept any grade lower than a 'C' in any required course.
- **Total Unweighted GPA** – All courses taken in all grades are used in the calculation. No courses are weighted.
- **Total Weighted GPA** – All courses taken in all grades are calculated; Honors, AP, and IB courses receive an extra weighted point if the grade earned is 'C' or better.
- **UC/CSU GPA** – All "A" – "G" courses, including weighted, beginning in 10th grade. A cap of 8 weighted grades are used in this GPA which is consistent with UC/CSU eligibility GPA calculations.

COLLEGE ADMISSION REQUIREMENTS (UC/CSU)

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

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

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

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

PRIVATE COLLEGES

There are many private colleges and universities. Their entrance requirements are similar to those of the University of California or the California State University systems. Consult the Career Center and the individual college admissions offices for information. For further information refer to www.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://www.mcli.dist.maricopa.edu/cc>.

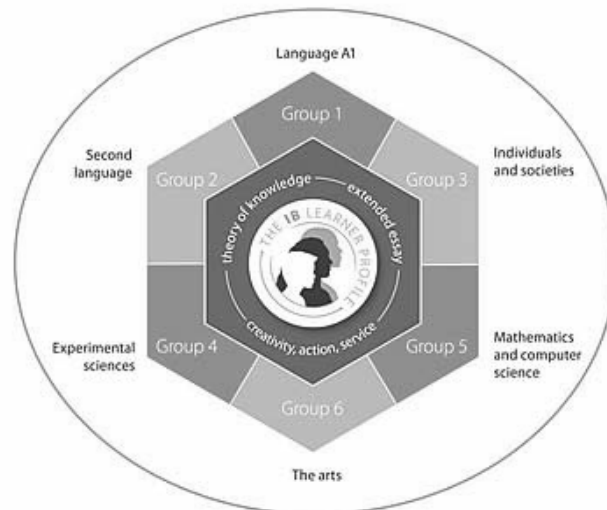
TECHNICAL AND BUSINESS SCHOOLS

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

The International Baccalaureate Diploma Programme at Granite Bay HS

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

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



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

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

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

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

IB COURSES *OFFERED AT GBHS

- Group 1:** IB English A1 HL-1, HL-2
- Group 2:** IB French B SL-1, SL-2
IB Japanese B SL-1, SL-2
IB Spanish B SL-1, SL-2, HL-1, HL-2
- Group 3:** IB History of the Americas, HOA HL-1, HL-2
* Information Technology for a Global Society (ITGS) SL-1, SL-2
* IB Psychology SL-1, SL-2
- Group 4:** IB Biology HL-1, HL-2
IB Chemistry HL-1, HL-2
*IB Physics SL-1, SL-2
- Group 5:** IB Math SL-1, SL-2
IB Math Studies SL-1, SL-2
- Group 6:** IB Visual Arts HL-1, HL-2, SL-1, SL-2
* IB Film HL-1, HL-2, SL-1, SL-2
a second Group 2, 3 or 4 class

*** Availability of courses marked with an asterisk is contingent on sufficient enrollment.**

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

The Advanced Placement Program at Granite Bay HS

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

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

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

AP COURSES OFFERED

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

Similarities Between AP and IB Programs

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

GBHS COURSES MEETING UC ADMISSION REQUIREMENTS

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

a. HISTORY/SOCIAL SCIENCE

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

b. ENGLISH

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

c. MATHEMATICS

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

d. LABORATORY SCIENCE

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

e. LANGUAGE OTHER THAN ENGLISH

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

f. VISUAL AND PERFORMING ARTS

Ceramics 1, 2, 3
Baritone Concert Choir
Treble Concert Choir
Treble Chamber Choir

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

g. COLLEGE PREPARATORY ELECTIVE

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

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

Laboratory Science – All courses listed under “d” plus the following : CP Earth Science, Fish & Wildlife, Zoology, Robotics, & Sport Science

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

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

Visual and Performing Arts

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

CTE

Introduction to Engineering Design (PLTW)
Civil Engineering & Architecture

FOUR-YEAR EDUCATIONAL PATHS

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

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

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

* * * * *

Recommended Four-Year University Path

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

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

Minimum Four-Year University Path

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

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

Community College/Career Technical Education Path

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

Elective Pathways

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

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

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

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

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

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

NOTES:

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

Science classes may be taken in any year.

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

College and Career Ready Career Technical Education Program of Study, Project Lead the Way, IB Career Certificate

COLLEGE AND CAREER PROGRAMS OF STUDY

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. To that end the courses include authentic assessments and real-world application. Students successfully completing a Program of Study at Granite Bay earn a Certificate of Mastery, are recognized at graduation, and may be eligible depending on some additional course work to earn an International Baccalaureate Career-related Certificate.

Students seeking a Program of Study in Engineering, Information Technology, Communications or Business and Management 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 activity in their senior year which includes an internship in a local business or organization.

INTERNATIONAL BACCALAUREATE CAREER-RELATED CERTIFICATE

What is the IB Career Certificate?

The International Baccalaureate Career-related Certificate (IBCC) provides an opportunity for students to both focus on a career through a Program of Study while acquiring and mastering the practical and academic skills needed by the global 21st century workforce. This unique opportunity to be recognized for college and career readiness is currently only offered in ten schools internationally with only three of them including Granite Bay High School in the United States.

Specifically the IB Career-related Certificate at Granite Bay is an academic qualification taken over the junior and senior year of high school designed to support and complement career interest in Design and Engineering, Business and Management, Information Technology, and Media Communications. Students who complete the requirements of the IBCC receive a very unique and valued IB Certificate, a Certificate of Mastery, recognition at graduation, and unique preparation for post-secondary education and 21st century employment.

The IBCC takes the Program of Study a student selects and incorporates the educational principles, vision and learner profile of the IB specifically addressing the needs of students engaged in college and career preparation education. The IB's involvement allows a student to be exposed to elements of an IB education through a selection of a minimum of two IB subjects taken in the 11th and 12th grade year and a unique and exciting IBCC core that includes a course called Approaches to Learning, a service learning experience based on the career choice of the student, a reflective project presented to staff and community and business leaders, and a level of proficiency in a 2nd language.

For 2012-2013 students may choose the Project Lead the Way (PLTW) Pathway to Engineering, Communications: Media, or Information Technology career pathways. Pre-requisite courses must be completed in the 9th and 10th grade.

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. The structure of the pathway and the courses required make sense to many students. 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. And that makes economic sense.

What do students earn who complete a Program of Study and/or earn the IBCC?

- A Certificate of Mastery upon completion of required program coursework and capstone activity
- Employable skills
- An IB Career certificate upon completion of the Program of Study and the IB Core classes
- Special designation on transcripts sent to colleges
- Recognition at commencement

How does it work?

All Programs of Study and IB Career-related Career Certificate pathways require students to take at least three vocational-focused courses referred to as the Beginning Course(s), Concentrator Course(s) and Capstone Course(s). Students must complete the courses in sequence while meeting all other Program and graduation requirements. The Tables below indicate the required course in each of the career-related pathways. Four-Year plans should be created with these sequences in mind.

***IBCC Core**

In addition to the sequence of career courses listed in the tables below, students desiring to ear IB recognition as well as the certificate of mastery must also complete

- Approaches to Learning (1 course spring of 11th grade and 1 course fall of 12th grade) *see page 14*
- Minimum of two IB courses to be taken in the 11th and 12th grade year
- 50 hours of Service Learning (community-based)
- Reflective Project addressing ethical dilemma identified in student’s career choice

What if I have Questions?

Questions regarding any of the specific career-related pathways can be addressed to the coordinators listed below. Questions regarding the IB Career-related Certificate and program requirements may be addresses to the IBCC Coordinator, Duane Blomquist (dblomquist@rjuhsd.us).

Programs of Study and IBCC Pathways Currently Offered at GBHS:

* Programs that also have an IBCC pathway.

- | | |
|--------------------------------------|---|
| Career Focus | Coordinator: |
| *Business | Bill Patterson (wpatterson@rjuhsd.us) |
| *Communication | Zachary Weidkamp (zweidkamp@rjuhsd.us) |
| *Information Technology..... | Zachary Weidkamp (zweidkamp@rjuhsd.us) |
| *Design and Engineering (PLTW) | Steve Dolan (sdolan@rjuhsd.us) |

Business

Focus Area: Business Administration	Program of Study	*IB Career-related Certificate
Beginning Course(s) 9 th – 10 th grade	Business Concepts	Business Concepts
Concentrator Course(s) 10 th – 11 th grade	Business Communications Business Law, Sports and Entertainment Marketing	IB Business and Management
Capstone Experience (10 Units) 11 th – 12 th grade	ROP Business Solutions ROP Business Data Systems	ROP Business Solutions ROP Business Data Systems

Communications

Focus Area: Broadcast Media	Program of Study	*IB Career-related Certificate
Beginning Course(s) 10 th grade	Beginning Media	Beginning Media
Concentrator Course(s) 11 th or 12 th grade	IB Film (taken at any grade)	IB Film (taken 11 th or 12 th grade)
Capstone Experience (10 Units) 12 th grade	Advanced Media	Advanced Media (w/ industry project)

Information Technology

Focus Area: Tech Support	Program of Study	*IB Career-related Certificate
Beginning Course(s) 9 th - 10 th grade	GBiT	GBiT
Concentrator Course(s) 10 th - 11 th grade	IB Information Technology in a Global Society (IB ITGS)	IB Information Technology in a Global Society (IB ITGS) (must take in 11 th grade)
Capstone Experience (10 Units) 11 th - 12 th grade	GBiT Business Leadership	GBiT Business Leadership (must take in the 12 th grade)

Pathway to Engineering (Project Lead the Way)

Focus Area: Design and Engineering	Program of Study	*IB Career-related Certificate
Beginning Course(s) 9 th – 10 th grade	Intro to Engineering (IED)	Intro to Engineering (IED) Principles of Engineering (POE)
Concentrator Course(s) 10 th – 11 th grade	Civil Engineering & Architecture (CEA)	Civil Engineering & Architecture (CEA)
Capstone Experience (10 Units) 12 th grade	Architecture, Construction, Engineering (ACE ROP)	Engineering Design and Development (EDD) (2013 – 2014)

ELECTIVE PATHWAYS

A Focus on the Arts

What are Elective Pathways?

Elective Pathways are similar to Programs of Study (see page 10) whereby students take a sequence of visual and performing arts courses with a special emphasis on one strand of the arts (e.g. Band, choir, drama, dance) . These elective pathways provide a thematic focus for 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 teacher and the student.

Who can benefit from EP programs?

Students with a strong interest in or passion for the visual and/or performing arts, students who would prefer a thematic focus to help make the high school experience more meaningful, 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 life-time.

Students who complete a VAPA Pathway will earn the following benefits:

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

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

While EP programs are not a substitute for strong GPAs and SAT scores, UC campuses and private universities often look favorably on applicants with focused areas of study. Notice what these college admissions officials had to say about EPs:

“Students who have built a specific background are viewed very positively.”

-Gary Tudor, Director of UC Davis Admissions

“Showing an intellectual passion on top of academics definitely helps applicants.”

-Gabby Guttierrez, Stanford University Admissions Officer

“Commitment to a specific area is helpful. We pay close attention to extra commitment.”

-Dara Crowder, University of Southern California Admissions Officer

How does it work?

Students simply talk to the EP coordinator and make sure they complete the courses in the sequences as required. Including the courses in the 4-Year Planning Guide in Naviance, our online college-career resource, will help organize this process. Students are NOT locked into the courses; they take them at their own desired pace (although some courses do have prerequisites). If students decide to complete the EP, they will finish the required capstone activity, and get the final certification approval from EP coordinator when finished. The capstone experience may or may not include an internship component.

EPs Offered at GBHS:

EP's:

Performing ArtsJim Prichard
Visual ArtsMyron Stephens
(see table below for course requirements):

Coordinator:

Performing Arts EP

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

Visual Arts EP

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

FOUR-YEAR PLAN

Name _____

Graduation Date _____

Counselor _____

Post Graduation Goal _____

Career Goal _____

High School Graduation Requirements (Each box represents 5 credits)

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

- | <u>Semester</u> | <u>Semester</u> |
|--|--|
| 1 2 | 1 2 |
| <input type="checkbox"/> <input type="checkbox"/> English 9 | <input type="checkbox"/> <input type="checkbox"/> Physical Science
(i.e. Earth Sci., Chem.,
Physics) |
| <input type="checkbox"/> <input type="checkbox"/> English 10 | <input type="checkbox"/> <input type="checkbox"/> Life Science
(i.e. Biology) |
| <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/Safety |
| <input type="checkbox"/> <input type="checkbox"/> Algebra I | <input type="checkbox"/> <input type="checkbox"/> World Studies
(or AP European Hist) |
| <input type="checkbox"/> <input type="checkbox"/> Geometry | <input type="checkbox"/> <input type="checkbox"/> US History |
| <input type="checkbox"/> <input type="checkbox"/> PE 9 | <input type="checkbox"/> <input type="checkbox"/> Gov/Econ |
| <input type="checkbox"/> <input type="checkbox"/> PE 10 | |
| | HS Exit Exam (Pass) |
| | <input type="checkbox"/> English |
| | <input type="checkbox"/> Math |

CSU/UC College Entrance (grade of C or better)

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

MY PERSONAL PLAN

9	10	11	12
English 9	English 10 Honors English 10	English 11 AP Language/Comp IB English	English 12 AP Language/Comp AP Literature/Comp IB English
Health & Safety	World Studies AP European History	US History AP US History IB History of Americas	Government / Econ AP Govt./Econ AP Govt/AP Econ
PE 9	PE 10		

Planned test dates for:

SAT I _____ SAT II _____
 ACT _____ PSAT _____
 ASVAB _____

Resources

Naviance
 Career Café - www.careercafe.com
 Counseling Website
<http://granitebayhigh.org/domain/30>
 College Career Handbook
<http://www.rjuhsd.us/2314101214125257563>

SECTION 2: DEPARTMENT COURSE DESCRIPTIONS

Key

Grade Levels are indicated to the right of each course title

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

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

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

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

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

VAPA= Visual and Performing Arts

CAREER TECHNICAL EDUCATION DEPARTMENTS

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

Approaches to Learning (ATL)

Course ID: 151013

Open to grades: 9-12

UC a-g: None

Prerequisites: Students must be enrolled in courses that are part of a Program of Study, and must enroll in a total of two IB courses in their junior and senior year.

Similar in purpose to Theory of Knowledge for the IB Diploma Programme, Approaches to Learning (ATL) is an exciting, relevant college and career course required for students who desire to graduate with an IB Career Certificate. Open only to students interested in earning an IB Career Certificate, the curriculum and senior year project are developed around four themes: Ways of Thinking, Intercultural Understanding, Communication, and Personal Development. Students must take Approaches to Learning in their junior and senior year as one of their elective choices. In addition, the student must also be following a career Program of Study sanctioned to offer the IB Career Certificate – Project Lead the Way (Engineering), Communications (Media), or Business (Business Administration). In their senior year students will use this course to develop a personal project presentation or essay that addresses an ethical dilemma in their career choice.

BUSINESS

BUSINESS CONCEPTS

Course ID: 151013

Open to grades: 9-12

UC a-g: None

Prerequisites: None

This course introduces students to the world of business and will help prepare them for the economic roles of consumer, worker, and citizen as well as prepare them for future college business courses and employment. It is a survey of the principles, problems, practices, and procedures of business. Topics covered include economics, business trends, global opportunities and ethics, business organization and entrepreneurship, management and leadership, international business, marketing, financial management,

insurance, technology and business, career exploration, oral and written communication skills and current events. Guest speakers also enhance the curriculum.

BUSINESS LAW

Course ID: 152053

Open to grades: 11-12

UC a-g: None

Prerequisites: None

This course assists the student in meeting demands of the everyday business world and develop an understanding of personal rights and obligations in business situations. Business definitions will be taught. Students study ethics, crimes, torts, laws for minors, consumer law, contracts, credit issues,

financial obligations, property laws, and insurance. The successful student will have a good foundation to be a success in his/her college business courses.

BUSINESS LEADERSHIP

Course ID: 152203

Open to grades: 10-12

UC a-g: None

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

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

COMPUTER APPLICATIONS 1

Course ID: 161103

Open to grades: 9-12

UC a-g: None

Prerequisites: None

College Credit: Sierra College

We focus on being more productive using the Microsoft Office Suite. Technical definitions are taught. This is a project based course, after teaching the foundation skills, students will do real world projects to experience how the software helps make them more productive for life after high school, in college or the world of work. This course is recommended for all students planning on attending college.

BUSINESS COMMUNICATIONS (Replacing COMPUTER APPLICATIONS 2)

Course ID: Pending

Open to grades: 10-12

UC a-g: None

Prerequisites: Completion of Computer Applications 1 Recommended

College Credit: Sierra College & American River College

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.

INTRO SPORTS & ENTERTAINMENT MARKETING

Course ID: 152113

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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 exploits and/or for future college business courses.

FAMILY AND CONSUMER SCIENCE

CULINARY TECHNIQUES – INTRODUCTORY

Course ID: 302203

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

ADV. CULINARY

Course ID: 303253

Open to grades: 10-12

UC a-g: None

Prerequisites: Culinary Techniques or approval from teacher

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

INDUSTRIAL TECHNOLOGY

INTRODUCTION TO ENGINEERING & DESIGN™

(A Project Lead the Way Course)

Course ID: 356113

Open to grades: 9-12

UC a-g: G

Prerequisite: C or better in Algebra 1

Recommended: A college preparatory mathematics course taken within the same school year.

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.

CIVIL ENGINEERING AND ARCHITECTURE™

(A Project Lead the Way course)

Course ID: Pending

Open to grades: 9-12

UC a-g: G Pending

Prerequisite: IED

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 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.

ROP – ARCHITECTURE, CONSTRUCTION, ENGINEERING

Course ID: 754373 (Fall) 754383 (Spring)

Open to grades: 11-12

UC a-g: None

Prerequisites: None

Students wanting to continue their study in Architecture and Engineering should enroll in ROP and request a Design and Engineering position. Students who want to continue their training via a real construction company, should also enroll in ROP and request a Construction Trades or Construction Management training position. (See ROP: Architecture, Construction, Engineering).

PRINCIPLES OF ENGINEERING™

(A Project Lead the Way course)

Course ID: 356133

Open to grades: 10 - 12

UC a-g: G

Prerequisite: C or higher in Introduction to Engineering and Design™

Recommended: A college preparatory mathematics course taken within the same school year.

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.

CONSTRUCTION TECHNOLOGY 1

Course ID: 352413

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

CONSTRUCTION TECHNOLOGY 2

Course ID: 353423

Open to grades: 9-12

UC a-g: None

Prerequisites: Construction Technology 1

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

MEDIA PRODUCTION: INTRODUCTION TO TELEVISION AND AUDIO PRODUCTION

Course ID: 101673

Open to grades: 9-12

UC a-g: None

Prerequisites: Basic computer skills or instructor's approval

Media I is an entry-level course in which students learn to use video and digital still cameras, edit video on tape editors and on computers, and create different types of video programs. Students learn to communicate effectively by writing scripts, planning productions, and editing tape. Technically, students learn how to operate video and audio equipment, including cameras, various types of microphones, mixers, sound processors, and computer applications. This course also introduces students to studio production in the GBHS TV and Sound Studio. May be repeated for credit. There are materials costs associated with some of the projects in this course. The instructor will give you specific information within the first week of the course.

ADVANCED MEDIA PRODUCTION: TELEVISION AND SOUND STUDIO PRODUCTION

Course ID: 102683

Open to grades: 9-12

UC a-g: None

Prerequisites: Media I and instructor approval

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

materials costs associated with some of the projects in this course.

3D ANIMATION

Course ID: 101693

Open to grades: 9-12

UC a-g: Pending

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

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

ADVANCED 3D ANIMATION

Course ID: 102693

Open to grades: 9-12

UC a-g: Pending

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

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

TEAM IT-(GBIT)

Course ID: 163613 (FALL) 163623 (SPRING)

Open to grades: 11-12

UC a-g: None

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

GBIT is a student-run business and technology organization that provides technical services to GBHS staff and students. The three groups within the class are Tech, Web, Management & Development and the subgroup of Sales. Groups

are managed by student managers. The course and groups provides students with experience with website development, leadership skills, campus computer repair working with the site technician, iPhone/iPad/iPod Touch programming and many advanced software applications.

WEB DESIGN

Course ID: 162303

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

ADVANCED WEB DESIGN

Course ID: 163353

Open to grades: 10-12

UC a-g: None

Prerequisites: Web Design

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

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

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

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

UC a-g: G

Prerequisites: None

ITGS is a two-term (one-year long) course that studies the impact on society of computers, wireless communications, and the Internet. Topics include information security, hardware and networks, software, the Internet, robotics and artificial intelligence, and technology applications. Students will engage directly with customers by helping solve technical issues and will have a

technology project in which they will provide a technical service for the GBHS staff or the local business community. The course can be taken as a non IB course, a Group 3 IB course or a Group 6 (Arts & Electives) course for IB Diploma students.

ENGLISH

CP ENGLISH 9

Course ID: 201113

Open to grades: 9

UC a-g: B

Prerequisites: None

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

CP ENGLISH 10

Course ID: 202213

Open to grades: 10

UC a-g: B

Prerequisites: None

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

H ENGLISH 10 – *European Literature* (Paired with AP European History)

Course ID: 206221

Open to grades: 10

UC a-g: B

Prerequisites: None

Designed for college-preparatory students, this course emphasizes critical thinking, reading, and writing, combined with a study of European literature and history. The focus of the class is close reading and analytical writing in the genre of non-fiction historical literature and philosophy. This course follows the scope and sequence of the Advanced Placement European History curriculum. Because the curriculum is more rigorous than the traditional English 10 course - the pace is more rapid, the expectations are higher, and the literacy requirement is more challenging, the course is designated *Honors*. However, the course is NOT

weighted. Students who elect to take this option in conjunction with AP European History should have a Lexile score of 1100 or better (CRN 11 or above on the CST report). *This class is blocked with AP European History for a year-long course. It is not offered as a standalone course.

CP ENGLISH 11

Course ID: 203313

Open to grades: 11

UC a-g: B

Prerequisites: None

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

IB ENGLISH HL-1, HL-2

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

Open to grades: 11-12

UC a-g: B

Prerequisites: English 10 with grade "C" or better

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

CP ENGLISH 12

Course ID: 204413

Open to grades: 12

UC a-g: B

Prerequisites: None

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

AP LANGUAGE & COMPOSITION (Year-long Block)

Year Long ID: 207421

Open to grades: 11 only

UC a-g: B

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

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

AP LANGUAGE & COMPOSITION (Not blocked)

Course ID: 207423

Open to grades: 11 and 12 (Offered to juniors and seniors only in 2012-2013)

UC a-g: B

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

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

AP LITERATURE & COMPOSITION

Course ID: 207433

Open to grades: 12

UC a-g: B

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

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

ENGLISH ELECTIVES

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

Course ID: 211213

Open to grades: 9

UC a-g: None

Prerequisites: None

This is a freshmen course for students who struggle with reading comprehension and fluency. Students will learn strategies for handling the reading in academic courses. Students will be identified for

and automatically enrolled in this course by evaluation of various tests and teacher recommendations. Freshmen will take the course concurrently with CP English 9 as a year-long A/B blocked class.

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

Course ID: 211223

Open to grades: 10

UC a-g: None

Prerequisites: None

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

CRITICAL READING AND WRITING

Course ID: 211043

Open to grades: 11-12

UC a-g: None

Prerequisites: None

This course is designed to prepare students for the rigors of college preparatory grade level English courses. This course will provide study in grammar, usage, mechanics, and vocabulary. It will provide instruction in critical reading strategies for variety of genres, such as informational materials, textbooks, nonfiction, and literature, and analytical writing in a variety of modes, such as exposition, persuasion, research, and literary response.

COMPETITIVE DEBATE

Course ID: 212403

Open to grades: 10-12

UC a-g: None

Prerequisites: None

Offered in the fall only, this class is designed to offer direct instruction in competitive debate. This class will teach students how to express ideas and to defend them under direct challenge, backed by evidence, not by mere conjecture and opinion. Students will learn major philosophical concepts and moral theories and will learn to apply them to the cases they construct and argue. This course is devoted to competition preparation and is structured according to league debate events. Students do extensive research and are required to attend and participate in debates held outside of school hours.

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

COMPETITIVE FORENSICS

Course ID: 212353

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

IB FILM SL (1 year: Program of Study / Career Certificate)

Course ID: (SL-1: Fall Term) 163454 (SL-2: Spring Term) 162464

IB Film HL-1 (2 Years: IB Diploma Candidates) Junior Year

Course ID: 163472

Open to grades: *10, 11-12

UC a-g: F

Prerequisites: Beginning Media or teacher approval for IB Film SL

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

IB Diploma candidates may select **IB Film HL** as an alternate to the 2nd science course.

IB Career Certificate candidates focusing on the Communications: Media Program of Study would select **IB Film SL-1 and SL-2** in their junior year as

one of the two required IB courses. ***10th graders may take IB SL-1 and 2 with permission of instructor.**

JOURNALISM

Course ID: 211453

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

ADVANCED JOURNALISM (Newspaper)

Course ID: 212513 (FALL) 212523 (SPRING)

Open to grades: 10-12

UC a-g: G

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

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

JOURNALISM – SPORTS

Course ID: 211463

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

ADVANCED JOURNALISM - SPORTS (GBSI)

Course ID: 212533

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

UC a-g: G

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

Designed for general and college-preparatory students to produce an edition of GBSI. The techniques of newspaper and magazine production studied in Journalism 1 – Sports will be put to practical use. Activities include writing news stories, editing copy, writing headlines, laying out pages, and creating computer graphics as it pertains to sports. Journalism as a career will be considered.

SPEECH AND DEBATE

Course ID: 211303

Open to grades: 9-12

UC a-g: G

Prerequisites: None

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

YEARBOOK

Course ID: 212683 (FALL) 212693 (SPRING)

Open to grades: 10-12

UC a-g: None

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

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

HEALTH AND SAFETY

HEALTH AND SAFETY

Course ID: 521153

Open to grades: 9-12

UC a-g: None

Prerequisites: None

Health and Safety is a one-term (18 week) course that is required for graduation. It is recommended that students complete this course by the end of

their freshman year. Students will learn the necessary skills for making effective decisions for life-long health. The short-term and long-term consequences of making unhealthy decisions will be examined. Students will engage in various classroom activities while exploring topics such as: nutrition, physical fitness, mental illness, stress management, suicide, OTC and Rx drugs, the effects of alcohol and other drugs of abuse, sexuality, infectious diseases, first aid and accident prevention. Upon satisfactory completion of the safety unit students may obtain an American Red Cross First Aid and CPR certification.

DRIVER EDUCATION

Course ID: 669010

Open to grades: Age 15 ½ +

UC a-g: None

Prerequisites: None

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

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

MATHEMATICS

PRE-ALGEBRA

Course ID: 401213

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

ALGEBRA 1

Course ID: 401423

Open to grades: 9-12

UC a-g: C

Prerequisites: None

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

linear equations, exponents, rational expressions and linear systems.

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

ALGEBRA 1A/1B

Course ID: 401383 (A) 401393 (B)

Open to grades: 9-12

UC a-g: C

Prerequisites: None

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

GEOMETRY

Course ID: 402433

Open to grades: 9-12

UC a-g: C

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

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

GEOMETRY A/B

Course ID: 402403 (A) 402413 (B)

Open to grades: 9-12

UC a-g: C

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

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

ALGEBRA 2

Course ID: 403453

Open to grades: 9-12

UC a-g: C

Prerequisites: Grade of "B" or better in Geometry

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

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

PRE-CALCULUS

Course ID: 404483

Open to grades: 10-12

UC a-g: C

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

Designed for the college bound student who may need to take a college calculus course. Students will work on becoming proficient in the following areas: fundamentals of college level algebra, geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, and trigonometric functions and their properties.

HONORS PRE-CALCULUS

Course ID: 406493

Open to grades: 10-12

UC a-g: C

Prerequisites: Grade of "B" or better in Algebra 2 or "C" or better in Pre-Calculus

Designed for college-preparatory students. Students will learn the skills and proficiencies necessary to complete algebra, geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, and trigonometric functions and their properties. Limits, differentiation and integration will be introduced.

IB MATH SL-1, SL-2

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

Open to grades: 11-12

UC a-g: C

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

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

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

IB MATH STUDIES SL-1, SL-2 (One-Year Long Course Over Two Terms)

Course ID: 407714 (SL-1) 407724 (SL-2)

Open to grades: 11-12

UC a-g: C

Prerequisites: Algebra 2 or Integrated Math 3 with grade "C" or better

Recommendation: This is an IB mathematics course that is open to all students as a fifth year math course.

This course is offered for students who intend to pursue university studies that do not require further mathematical studies. Math Studies is a survey of college math topics. Topics include: a review of algebra, functions and trigonometry, an introduction to differential Calculus, financial mathematics, set theory, probability and statistics. All IB students (both certificate and diploma) must participate in all internal and external assessments and pay fees for the May exam.

AP STATISTICS

Course ID: 407523

Open to grades: 11-12

UC a-g: C

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

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

AP CALCULUS AB

Course ID: 407503

Open to grades: 11-12

UC a-g: C

Prerequisites: Grade of "B" or better in Honors Pre-Calculus

An advanced placement course designed for university preparatory students. This course provides instruction in the concepts of limits, continuity, derivatives, and anti-derivatives of algebraic functions. The basis concepts in algebra set theory and trigonometry are reviewed briefly

before they are used to study limits. AP students are expected to sign up for and take the AP exam.

AP CALCULUS BC

Course ID: 407513

Open to grades: 11-12

UC a-g: C

Prerequisites: Completion of AP Calculus AB (Honors)

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

PHYSICAL EDUCATION

PE 9

Course ID: 501013

Open to grades: 9

UC a-g: None

Prerequisites: None

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

PE 10

Course ID: 502023

Open to grades: 10

UC a-g: None

Prerequisites: None

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

ADAPTED PE

Course ID: 508013

Open to grades: 9-10

UC a-g: None

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

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

PHYSICAL EDUCATION ELECTIVES

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

AEROBICS – Fitness

Course ID: 512103

Open to grades: 9-12

UC a-g: None

Prerequisites: "C" or better in PE 9

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

ATHLETIC PE

Course ID: 513253 (Fall) 513303 (Spring)

Open to grades: 11-12

UC a-g: None

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

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

WEIGHT CONDITIONING

Course ID: 512153

Open to grades: 9-12

UC a-g: None

Prerequisites: "C" or better in PE 9

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

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

Open to grades: 9-12

UC a-g: None

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

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

X-BIKING

Course ID: 512193

Open to grades: 10-12

UC a-g: None

Prerequisites: "C" or better in PE 9

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

SCIENCE

BIOLOGICAL SCIENCE

CP BIOLOGY

Course ID: 551013

Open to grades: 9-12

UC a-g: D

Prerequisites: Algebra 1 and English 9 with "C" or better or concurrent enrollment

College-preparatory class that encourages student responsibility for learning through a variety of experiences that include developing biological

literacy, working cooperatively in lab groups, recognizing and evaluating relationships between technology and society, and developing critical thinking skills. Topics studied include cell biology, genetics, evolution, and ecology. Placement Recommendation: Strong reading and reasoning skills are essential. Students reading below grade level may have difficulty.

AP BIOLOGY

Course ID: 557101

Open to grades: 10-12

UC a-g: D

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

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

IB BIOLOGY HL-1, HL-2

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

Open to grades: 11-12

UC a-g: D

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

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

FISH AND WILDLIFE

Course ID: 552303

Open to grades: 10-12

UC a-g: G

Prerequisites: Grade "C" or better in CP Biology

This course is a life science elective that will provide students with field study opportunities in the local area to learn and apply the principles of fish and wildlife management and conservation. Students will study wetlands, forests, habitat types, species identification, and careers in fisheries, wildlife management, and forestry. Students will gain a much deeper understanding of many complex environmental issues.

PHYSIOLOGY

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

Open to grades: 10-12

UC a-g: D

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

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

SPORT SCIENCE (Sport and Exercise Science)

Course ID: 581553

Open to grades: 9-12

UC a-g: G

Prerequisites: CP Biology with "C" or better

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

PHYSICAL SCIENCE

CP EARTH SCIENCE

Course ID: 601963

Open to grades: 9-12

UC a-g: G

Prerequisites: None

This predominantly physical science course emphasizes those techniques needed to prepare students for chemistry and physics while integrating with their algebra and geometry sequence. General

topics investigated will be mapping, introductory chemistry, the earth's structure, plate tectonics, California geology, oceanography, meteorology, basic astronomy, and California water issues. Students will engage in hands-on labs, projects in cooperative groups, and computer simulations. Placement Recommendation: Students should be enrolled in or completed Algebra 1 and have strong English skills. For most students, this course should precede Biology. This course meets CSU Physical Science entrance requirements.

CP CHEMISTRY

Course ID: 603103

Open to grades: 10-12

UC a-g: D

Prerequisites: Grade of "B" or better in Biology or Physics and Geometry and Algebra 2

Designed for college-prep students planning to major in science, this course examines the composition and properties of substances and their chemical reactions. Concepts involve a comprehensive overview of topics ranging from bonding to fundamental organic chemistry. Students must prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises.

HONORS CHEMISTRY

Course ID: 606153

Open to grades: 10-12

UC a-g: D

Prerequisites: Grade of "B" or better in Biology or Physics and Geometry and Algebra 2 (required)

Designed for college-prep students planning to major in science, math or engineering, this course examines the composition and properties of substances and their chemical reactions. Concepts involve a more in-depth study than those in CP Chemistry with additional topics of oxidation reduction and bonding geometry. Students must prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises.

AP CHEMISTRY

Course ID: 607203

Open to grades: 10-12

UC a-g: D

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

are expected to sign up for and take the AP exam

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

IB CHEMISTRY SL-2

Course ID: 610322 (SL-2)

Open to grades: 12

UC a-g: D

Prerequisites: Must have completed SL-1 as a Junior

Recommendations: This course is helpful for engineering and health science majors. All students will be prepared to take IB SL exam in May of grade 12. Chem. SL is blocked with IB Bio HL (only) and emphasizes analysis, evaluation and synthesis of scientific information. Awareness of moral, ethical, social, economical and environmental implications of scientific ideas is key. Special option topics are Advanced Organic Chemistry and Environmental Chemistry. The Group 4 Project is used to evaluate personal skills as students collaborate with others in the three IB science courses to investigate a common topic. IB Chem. SL is limited to core topics only. This provides more instructional time for students taking the standard level. Chem. SL will still be required to cover core sections of the special option topics as well as fulfill all IA and Group4 Project requirements. The standard level is highly recommended if the student is unable to commit to the rigors of HL level.

IB CHEMISTRY HL-1, HL-2

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

Open to grades: 11-12

UC a-g: D

Prerequisites: Honors Chemistry and Pre-Calculus with a grade of "C" or better

Recommendations: This course is critical for engineering and health science majors. All students will be prepared to take both the IB and AP exams in May of grade 12. Chem HL is blocked over grades 11 and 12 and emphasizes analysis, evaluation and synthesis of scientific information. Awareness of moral, ethical, social, economical and environmental implications of scientific ideas is key. Special option topics are Medicine and Drugs and

Food Chemistry. The Group 4 Project is used to evaluate personal skills as students collaborate with others in the three IB science courses to investigate a common topic.

PHYSICS COURSES

CP PHYSICS

Course ID: 603303

Open to grades: 10-12

UC a-g: D

Prerequisites: Completion of Algebra I with a grade of "C" or better

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

HONORS PHYSICS

Course ID: 606353

Open to grades: 10-12

UC a-g: D

Prerequisites: Grade of "B" or better in Algebra 2

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

AP PHYSICS C (Mechanics)

Course ID: 607403

Open to grades: 11-12

UC a-g: D

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

This course is Calculus-based and covers the first half (Mechanics) of a full Physics curriculum. The course will thoroughly cover Mechanics, including

projectile motion, forces, momentum, gravity, work, energy, and oscillating motion. This is vital subject matter for engineering, medical, or science research careers. This is a very fast moving curriculum, and it requires good problem solving and math skills. All AP students are expected to sign up for and take the AP Physics exam in May.

SOCIAL SCIENCE

WORLD STUDIES

Course ID: 652103

Open to grades: 10

UC a-g: A

Prerequisites: None

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

AP EUROPEAN HISTORY

(Paired with Honors English 10)

Course ID: 657151

Open to grades: 10

UC a-g: A

Prerequisites: Grade of "B" or better in English 9 and a score of Basic (3) or higher on your last CST History test and your last CST English test.

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

course satisfies the World Studies graduation requirement. *This class is blocked with Honors English 10 for a year-long course.

UNITED STATES HISTORY

Course ID: 653203

Open to grades: 11

UC a-g: A

Prerequisites: None

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

AP UNITED STATES HISTORY

Course ID: 657251

Open to grades: 11

UC a-g: A

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

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

European History; instructor approval; written essay may be required. *This course is blocked with AP Language & Composition as a year-long course.

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

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

Open to grades: 11-12

UC a-g: A

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

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

THEORY OF KNOWLEDGE 1, 2 (Two Term Course)

Course ID: 163552 (TOK1) 163562 (TOK2)

Open to grades: 11-12

UC a-g: None

Prerequisites: None

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

GOVERNMENT/ECONOMICS

Course ID: 654304 (Gov)

Course ID: 654404 (Econ)

Open to grades: 12

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

Prerequisites: None

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

AP GOVERNMENT /ECONOMICS

Course ID: 657354

Open to grades: 12

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

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

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

AP GOVERNMENT

Course ID: 657352

Open to grades: 12

UC a-g: A

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

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). A college-level course that provides students an opportunity to gain a critical perspective on government and politics in the United States. It

involves the study of general concepts used to interpret American politics and the analysis of specific case studies. ***This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

AP MACROECONOMICS

Course ID: 657452

Open to grades: 12

UC a-g: G

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

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). A college-level course designed to provide students with a thorough understanding of the principles of economics in examining aggregate economic behavior. Students taking the course can expect to learn how the measures of economic performance are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also learn the basic macroeconomics analytical tools, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Students will also examine the impact of international trade and international finance. ***This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

AP MICROECONOMICS

Course ID: 657462

Open to grades: 12

UC a-g: G

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

Note: Students must complete the year-long block to meet district graduation requirements in

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

LAW AND JUSTICE

Course ID: 654102

Open to grades: 12

UC a-g: G (pending approval)

Prerequisites: AP US History or US History

Note: Students must complete the year-long block to meet district graduation requirements in government and economics. Students are strongly urged to take the AP Government exam and at least one AP Economics exam (macro or micro). This course combines theory and practice about law, democracy, and human rights. The curriculum focuses on legal rights and responsibilities, engagement in the democratic process, and commitment to the rule of law and social justice through mock trials, case studies and legal research to develop the knowledge and skills necessary for survival in our law-saturated society. Topics include constitutional rights and liberties, civil and criminal law, adult and juvenile justice, family and consumer law, and career opportunities in the legal profession. ***This course is part of the year-long block consisting of both AP Microeconomics/AP Macroeconomics and AP Government/Law and Order. To enroll in any of these four courses, a student must to commit to taking all four courses (this will cover their Government/Economics graduation requirement). Graduation requirements will only be fulfilled with a successful completion of all four classes.**

AP PSYCHOLOGY

Course ID: 654133

Open to grades: 11-12

UC a-g: G

Prerequisites: None

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

IB PSYCHOLOGY SL-1**Course ID: 653084****Open to grades: 11-12****UC a-g: G****Prerequisites:**

Psychology is the systematic study of behavior and mental processes. Psychology has its roots in both the natural and social sciences, leading to a variety of research designs and applications, and providing a unique approach to understanding modern society. IB Psychology examines the interaction of biological, cognitive and socio-cultural 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 socio-cultural influences on human behavior, develop an understanding of alternative explanations of behavior, and understand and use diverse methods of psychological inquiry.

IB PSYCHOLOGY SL-2**Course ID: 653094****Open to grades: 11-12****UC a-g: G****Prerequisites: IB Psychology SL-1**

This course is a continuation of IB Psychology SL-1.

LEADERSHIP**Course ID: 851403****Open to grades: 9-12****UC a-g: None****Prerequisites: None**

Learn the skills needed to be an effective leader, such as understanding personality and leadership styles, time/stress management, conflict resolution, group dynamics, and public speaking. Skills learned will be useful in Student Government, Athletics, and

other co-curricular activities as well as work experiences and career preparation outside of school.

MILITARY HISTORY**Course ID: 653503****Open to grades: 9-12****UC a-g: None****Prerequisites: None**

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

PEER HELPER (Community Outreach)**Course ID: 852453****Open to grades: 10-12****UC a-g: None****Prerequisites: Application required**

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

PEER HELPER (Campus Outreach)**Course ID: 852455****Open to grades: 10-12****UC a-g: None****Prerequisites: None**

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

SOCIAL PSYCHOLOGY

Course ID: 653653

Open to grades: 11-12

UC a-g: G

Prerequisites: None

Social psychology is a branch of psychology that analyzes the individual in the context of a social situation. This Social Psychology course provides students the opportunity to study the way in which people's thoughts, feelings and behaviors are influenced by the presence of others. Students will learn how and when people are influenced by others, and what happens in the mind of an individual when various influences come into conflict with one another. Curriculum topics include: How we understand others and ourselves, attitude formation and change, the influence of social groups, interpersonal attraction, conformity, persuasion, aggression, and prejudice.

SPORT CULTURE

Course ID: 651603

Open to grades: 9-12

UC a-g: None

Prerequisites: None

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

STUDENT GOVERNMENT

Course ID: 851363 (Fall) 851373 (Spring)

Open to grades: 9-12

UC a-g: None

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

Student Government is a course designed to provide a setting for hands-on learning and implementing of the ASB and Class Activities programs at Granite Bay High School. Elected and

appointed leaders enroll in one of two sections, to focus on either class or ASB activities.

VISUAL ARTS

ART 1

Course ID: 101013

Open to grades: 9-12

UC a-g: F

Prerequisites: None

This is a beginning course where no experience is necessary. Students only need to have an interest in developing skills in basic design, drawing, painting, 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 tempura. Students will also use their imagination to develop creative and expressive works of art.

ART 2

Course ID: 102023

Open to grades: 10-12

UC a-g: F

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

This course emphasizes canvas painting, airbrush, graphite portraits, acrylic painting and opportunities for more intense investigation into drawing and painting techniques in a variety of materials/media. This course also includes the development of the student's artistic concepts through the study of art heritage in America and the world. Attendance at a professional gallery will be required.

ART 3

Course ID: 103033

Open to grades: 10-12

UC a-g: F

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

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

ART 4

Course ID: 103043

Open to grades: 10-12

UC a-g: F

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

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

AP STUDIO ART

Course ID: 107113

Open to grades: 12

UC a-g: F

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

An advanced performance-based course emphasizing development of a portfolio of work that will be graded by secondary and college teachers. The portfolio will be graded on quality, concentration, and breadth of formal, technical and expressive means. The completed portfolio is a great addition to college applications, and will allow you to skip an entry level art course. Students must be self-motivated and able to work independently. AP students are expected to sign up for and take the AP exam.

AP ART HISTORY

Course ID: 107123

Open to grades: 11-12

UC a-g: F

Prerequisites: None

An advanced class designed to provide students with a critical understanding and enjoyment of man's painting, sculpture, and architecture. The class will prepare students for the Advanced Placement Examination. Readings, slides, discussions, and field trips will be used to teach students about the history of art. Outside

attendance of some art showings and/or exhibits is required. Students enrolled in the class are expected to take the AP exam.

CERAMICS 1

Course ID: 101043

Open to grades: 9-12

UC a-g: F

Prerequisites: None

For general or college-prep students. Emphasis will be on understanding the use of design in functional clay work in pottery and sculpture. The class covers wheel and hand-built pottery, clay sculpture, and art appreciation and design, especially as they relate to ceramics.

CERAMICS 2/3

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

Open to grades: 10-12

UC a-g: F

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

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

IB VISUAL ARTS SL-1, SL-2, HL-1, HL-2

Course ID: 163514 (SL-1), 163524 (SL-2) 163532 (HL-1), 163542 (HL-2)

Open to grades: 11-12

UC a-g: F

Prerequisites: Completion of Basic Art with a B or better

The course follows the global approach to the visual arts in which the process is equal to the product. Emphasis is placed on the history and the exploration and production of studio work, linking the core elements of art concepts, criticism and analysis, acquisition of technical and media skills and the relationship of art to socio-cultural and historical contexts. Art activities integrate work in

the studio with workbook research. Students maintain a research workbook detailing their plans, problems, successes and critiques of studio work that they have produced.

PHOTOGRAPHY 1

Course ID: 101083

Open to grades: 10-12

UC a-g: F

Prerequisites: None

For general or college-preparatory students interested in creative and recreational photography. Emphasis will be on the principles of photography. Exploration of the SLR camera, modes and settings, use of different lenses and techniques will also be included. Emphasis will be given to various picture taking techniques and priorities. Recommendation: Completion of Art I.

PHOTOGRAPHY 2

Course ID: 102093

Open to grades: 11-12

UC a-g: F

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

Photography 2 is a course designed to provide 11th and 12th grade students with an advanced course in photography which will enable students to learn career preparation skills in photography: studio work, digital photography, and advanced Photoshop techniques. Special emphasis will be given to special effects and lighting. Students may use the skills learned in this course to further explore careers in commercial photography, commercial printing multimedia, magazine publication, and other careers where advanced photography skills are required.

PERFORMING ARTS

DRAMA

DRAMA

Course ID: 101583

Open to grades: 9-12

UC a-g: F

Prerequisites: None

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

INT THEATER ARTS

Course ID: 102603

Open to grades: 10-12

UC a-g: F

Prerequisites: Drama, Advanced Drama or instructor approval

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

ADVANCED DRAMA (Technical Emphasis)

Course ID: 102593

Open to grades: 10-12

UC a-g: F

Prerequisites: Drama/or instructor approval

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

PROFESSIONAL DRAMA

Course ID: 103603

Open to grades: 10-12

UC a-g: F

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

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

MUSICAL THEATER

Course ID: 103613

Open to grades: 10-12

UC a-g: None

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

This is a one-term course. The class will work together to define, promote, produce, research,

and perform a musical during the spring term. Enrollment in the class will be determined through auditions each September. Evening and weekend rehearsal and performances will be required. Spring term only.

DANCE

DANCE

Course ID: 101503

Open to grades: 9-12

UC a-g: F

Prerequisites: None

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

INTERMEDIATE DANCE

Course ID: 102513

Open to grades: 9-12

UC a-g: F

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

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

ADVANCED DANCE

Course ID: 102523

Open to grades: 10-12

UC a-g: F

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

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

BAND

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

Course ID: 101283

Open to grades: 9-12

UC a-g: F

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

This class will be working on concert repertoire, music theory and performance. In addition to concert band music, this band will be providing music at athletic events when needed, particularly basketball games. Students participate in several concerts and music festivals.

www.emeraldbrigade.org

MARCHING BAND

Course ID: 101253

Open to grades: 9-12

UC a-g: F

Prerequisites: Sophomores and older must have taken/tested out of Symphonic Band. Students must attend a summer session band camp. Check dates at

www.gbemeraldbrigade.org

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

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

COLOR GUARD

Course ID: 851553

Open to grades: 9-12

UC a-g: None

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

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

BRASS/WOODWIND ENSEMBLE

Course ID: 101223

Open to grades: 9-12

UC a-g: F

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

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

You must be concurrently enrolled in 0 period marching band to take this class. Students learn the marching band field show and pep music. For all musicians that play a wind instrument. Students Participate in all marching band activities. Once the marching season is completed this ensemble will be working on concert ensemble music.

www.emeraldbrigade.org.

JAZZ ENSEMBLE

Course ID: 101243

Open to grades: 9-12

UC a-g: F

Prerequisites: Participation in Fall band class and teacher approval

(Spring Term: during school day)

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

PERCUSSION ENSEMBLE

Course ID: 101233

Open to grades: 9-12

UC a-g: F

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

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

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

SYMPHONIC BAND

Course ID: 101263

Open to grades: 9-12

UC a-g: F

Prerequisites: Must have been in Marching band Fall term

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

Required for all freshman bands students. Students learn the California State Standards for music theory, music history and also spend time exploring world music. The freshman will play their instruments with the concert band music concurrently being played. Students take field trips to the Mondavi Center to see performances. Students that wish to test out of the class may do so on teacher/administrator approval only.

GUITAR

Course ID: 101273

Open to grades: 9-12

UC a-g: F

Prerequisites: None

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

INTERMEDIATE GUITAR

Course ID: 102293

Open to grades: 10-12

UC a-g: F

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

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

ADVANCED GUITAR

Course ID: 102283

Open to grades: 10-12

UC a-g: F

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

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

PIANO LAB

Course ID: 101293

Open to grades: 9-12

UC a-g: F

Prerequisites: None

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

CHOIR

BARITONE CONCERT CHOIR

Course ID: 101373

Open to grades: 9-12

UC a-g: F

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

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

TREBLE CONCERT CHOIR

Course ID: 101383 (Fall) 101393 (Spring)

Open to grades: 9-12

UC a-g: F

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

A one-term course in the 4x4 schedule for students in grades 9-12, is a singing ensemble for voices that are comfortable in the treble ranges –i.e. soprano and alto. This choir performs beginning and intermediate literature from various selected eras of musical histories in 3-6 parts. The Treble Concert Choir will also rehearse and perform in conjunction with the Baritone Concert Choir. In addition, the students learn the theory and history of the music performed the fundamentals of correct vocal technique, proper rehearsal and concert etiquette, interval recognition, sight singing, and note reading. Required performances are scheduled by the director.

CHAMBER CHOIR

Course ID: 102383

Open to grades: 9-12

UC a-g: F

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

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

TREBLE CHAMBER CHOIR

Course ID: 102313 (Fall) 102323 (Spring)

Open to grades: 10-12

UC a-g: F

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

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

MADRIGAL CHOIR

Course ID: 103403

Open to grades: 10-12

UC a-g: F

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

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

WORLD LANGUAGE

FRENCH 1, JAPANESE 1, SPANISH 1

Course ID: 251113 (French 1)

Course ID: 251513 (Japanese 1)

Course ID: 251313 (Spanish 1)

Open to grades: 9-12

UC a-g: E

Prerequisites: None

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

FRENCH 2, JAPANESE 2, SPANISH 2

Course ID: 252123 (French 2)

Course ID: 252523 (Japanese 2)

Course ID: 252323 (Spanish 2)

Open to grades: 9-12

UC a-g: E

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

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

FRENCH 3, JAPANESE 3, SPANISH 3

Course ID: 253133 (French 3)

Course ID: 253533 (Japanese 3)

Course ID: 253333 (Spanish 3)

Open to grades: 10-12

UC a-g: E

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

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

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

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

Open to grades: 11-12

UC a-g: E

Prerequisites: Grade of "B" or better in French 3. IB students are required to take this course. Juniors and Seniors may take this class when they have achieved the proper credentials

This advanced French course is a two-term course designed to enable students to become highly proficient in their communication skills as they explore French speaking cultures and global issues. Students will improve their speaking, reading, writing and listening skills via immersion in the language. Students may choose to take only the first-term course as French 4 or to continue for the

year-long course at the end of which they will also have the option of taking the AP exam.

IB FRENCH B SL-1, SL-2

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

Open to grades: 11-12

UC a-g: E

Prerequisites: Prerequisite: French 3 with a grade of “B” or better

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

HONORS JAPANESE 4 & AP JAPANESE

Course ID: 253543 (Hon Jap 4) 257463 (AP)

Open to grades: 11-12

UC a-g: E

Prerequisites: Grade of “B” or better in Japanese 3, IB students are required to take this course. Juniors and Seniors may take this class when they have achieved the proper credentials

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

IB JAPANESE SL-1, SL-2

Course ID: 258214 (SL-1) 258224 (SL-2)

Open to grades: 11-12

UC a-g: E

Prerequisites: : Japanese 3 with a grade of “B” or better

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

HONORS SPANISH 4

Course ID: 256353 (18 Weeks)

Open to grades: 11-12

UC a-g: E

Prerequisites: Grade of “B” or better in Spanish 3

Designed to complete the Spanish curriculum for Levels 1 - 4, this course will provide superior 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. The alternative/option is to take Spanish Honors 4/AP – the year long class (36 weeks) designed for continued rigorous study and preparation for the Advanced Placement Exam given in May.

AP SPANISH

Course ID: 257363 (AP SPANISH)

Open to grades: 11-12

UC a-g: E

Prerequisites: Grade of “B” or better in Spanish 3. IB students are required to take this course. Juniors and Seniors may take this class when they have achieved the proper credentials

This advanced course is a two-term course that provides students with the language learning experiences that will enable them to communicate in Spanish in a wide range of situations. By the end of this course students will be able to carry on meaningful conversations on many topics, understand and be understood by non-native and native speakers, be able to write naturally in various formats, and be more culturally aware with a focus on a global perspective. This is a year-long course

at the end of which they will also have the option of taking the AP exam.

IB SPANISH SL-1, SL-2

Course ID: 258314 (SL-1) 258324 (SL-2)

Open to grades: 11-12

UC a-g: E

Prerequisites: Spanish 3 with a grade of "B" or better

Recommendation: This is an advanced two-term (SL-1) & (SL-2), corresponding to years 4 and 5

The aim of this course is to enable students to communicate effectively in Spanish, in a wide range of authentic situations and to a range of audiences, in both spoken and written form. 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. Emphasis is placed on realistic contexts utilizing authentic materials such as recordings, film, newspapers, magazines, internet sources, podcasts, literary works and historical readings. This course is a total immersion course (conducted exclusively in Spanish) that develops speaking and listening skills via dialogues, projects, presentations, interviews, role-plays, simulations and debates. Writing skills are honed via a variety of styles (articles, reports, advertisements, and formal and informal letters) and use of the appropriate register (formal or informal). Students taking this course will be prepared to take the IB SL exam.

IB SPANISH HL-1, HL-2

Course ID: 258334 (HL-1) 258344 (HL-2)

Open to grades: 11-12

UC a-g: E

Prerequisites: Spanish 3 with a grade of "B" or better

Recommendation: This is an advanced two-term (HL-1) & (HL-2), corresponding to years 4 and 5

The aim of this course is to enable students to communicate effectively in Spanish, in a wide range of authentic situations and to a range of audiences, in both spoken and written form. 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. Emphasis is placed on realistic contexts utilizing authentic materials such as recordings, film, newspapers, magazines, internet sources, podcasts, literary works and historical readings. This course is a total immersion course (conducted

exclusively in Spanish) that develops speaking and listening skills via dialogues, projects, presentations, interviews, role-plays, simulations and debates. Writing skills are honed via a variety of styles (articles, reports, advertisements, and formal and informal letters) and use of the appropriate register (formal or informal). Students taking this course will be prepared to take the IB HL exam

SECTION 3: SPECIAL PROGRAMS

LIBRARY SCIENCE 1

Course ID: 852613

Open to grades: 10-12

UC a-g: None

Prerequisites: Teacher approval and good attendance

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

LIBRARY SCIENCE 2 AND 3

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

Open to grades: 11-12

UC a-g: None

Prerequisites: Teacher approval and good attendance

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

STUDENTS TEACHING STUDENTS – PEER-TUTORING ACROSS THE CURRICULUM

Course ID: 754303

Open to grades: 11-12

UC a-g: None

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

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

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

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

TEACHER AIDE

Course ID: 703003

Open to grades: 11-12

UC a-g: None

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

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

TEACHER INTERN

Course ID: 753353

Open to grades: 11-12

UC a-g: None

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

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

SPECIAL EDUCATION

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

ACADEMIC LAB A

Course ID: 211243

Open to grades: 9-12

UC a-g: None

Prerequisites: Teacher Recommendation

English/Language Arts Intervention:

English/Language Arts skill building and core support.

ACADEMIC LAB B

Course ID: 403303

Open to grades: 9-12

UC a-g: None

Prerequisites: Teacher Recommendation

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

ACADEMIC LAB C

Course ID: 808803

Open to grades: 9-10

UC a-g: None

Prerequisites: Individual Education

Program (IEP) team recommendation

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

ACADEMIC LAB D

Course ID: 808813

Open to grades: 11-12

UC a-g: None

Prerequisites: Individual Education Program (IEP) team recommendation

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

College and Career Ready



49er REGIONAL OCCUPATIONAL PROGRAM COURSE CATALOG 2012-2013 Classes Available to Students Attending High School

WHAT IS ROP?

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

- *ROP is available for high school seniors, juniors, and qualifying sophomores.*
- *Some ROP classes require students to report to a training site (called "community classroom" courses), and some ROP courses are taught entirely on-campus.*
- *Sophomores may be eligible if they meet these conditions: **Sophomores who are 16 years of age** may enroll in the "on-campus" classes with an administrator or counselor referral and approval.*
- *Seniors and juniors have enrollment priority.*
- *Classes are taught in 'blocks' which vary in length, from a single block to a 3-hour class/training time period each day. ROP classes may be taken within the student's regular class day or during a period of time that extends past the regular school day.*
- *Students must be able to provide their own transportation to the training site, if they are enrolled in a course that has a community-based training component, and/or to classes held in a location other than the student's home campus.*
- ***In order to receive a Certificate of Completion in an ROP course, the student must complete the course with at least 95% attendance, a grade of C or better, and must master 80% of the course's core competencies.***
- *Most classes do not accept students beginning in the spring semester.*

ROP PROVIDES...

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

SPECIAL FEATURES

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

AP COMPUTER SCIENCE A

Course ID: 754993

Class Location: Independence H.S. (Blended format)

Grade Level: 11-12

Length of Course: Full school year. **Class meets Monday evenings from 6:00-8:00 pm at Independence HS with the remainder of material being presented online.**

Internship Included: No

Recommended Preparation: Math and computer applications

Prerequisites: Computer Applications/ recommendation of instructor

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

ARCHITECTURE, CONSTRUCTION, AND ENGINEERING – APPLICATIONS (Spring)

Course ID: 754383

Class Location: Granite Bay H.S.

Grade Level: 11-12

Length of Course: One semester, available spring semester. (Students are encouraged to take Architecture, Construction, and Engineering – Fundamentals during the fall semester).

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

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

This class applies architectural design, construction methods, and engineering to real world problems. This class provides students with on-the-job training with local companies. Instruction includes working with industry mentors to create a comprehensive development proposal for a real-world project. Students will use CAD drafting, 3-D modeling, structural and civil engineering, and construction management tools to develop their proposal.

ARCHITECTURE, CONSTRUCTION, AND ENGINEERING – FUNDAMENTALS (Fall)

Course ID: 754373

Class Location: *Granite Bay H.S.*

Grade Level: 11-12

Length of Course: One semester, available fall semester. (Students are encouraged to take Architecture, Construction, and Engineering – Applications during the spring semester).

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

Recommended Preparation: A strong interest in Architecture, Construction, or Engineering with CAD Drafting experience being helpful, but not required.

This class offers an opportunity for training and/or employment in the architecture, construction, and engineering industries. This class provides students with on-the-job training with local companies. Instruction focuses on basic construction theory and practice, CAD drafting, surveying, blueprint reading, safety, building code application and engineering principles. Employment opportunities may include residential/commercial construction, architecture, engineering, or drafting.

AUTOMOTIVE SERVICES

Course ID: 757620

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

Grade Level: 11-12

Length of Course: Full school year

Internship Included: No

Recommended Preparation: Electronics, shop/tech core classes

College Articulation: Students may receive college credit at Sierra College

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

AUTOMOTIVE TECHNOLOGY

Course ID: 757625

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

Grade Level: 11-12

Length of Course: Full school year

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

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

Prerequisite: Auto services and recommendation of instructor

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

BUSINESS COMMUNICATIONS

Course ID: 754933

Class Location: *Rocklin H.S.*

Grade Level: 11-12

Length of Course: Full school year

Internship Included: No

Recommended Preparation: Basic English and math skills

Graduation Credit: English credit (5 credits offered each semester at Rocklin USD; students must successfully complete both semesters to get 10 English credits)

College Articulation: Pending

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

BUSINESS DATA SYSTEMS (Spring)

Course ID: 754343

Class Location: *Granite Bay H.S.*

Grade Level: 11-12

Length of Course: One semester, available spring semester (students are encouraged to take Business Solutions during the fall semester).

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

Recommended Preparation: Computer classes and keyboarding

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

BUSINESS ENTREPRENEURSHIP

Course ID: 754713

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

Grade Level: 11-12

Length of Course: Full school year

Internship Included: No

Recommended Preparation: Accounting or business classes

College Articulation: Pending

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

This class is a simulated business that is set up and run by students. The students shape business strategy and run its daily operations by providing products and/or services, and by creating a management and reporting structure. Instruction focuses on marketing research, advertising, buying and selling products or services, and customer service. Students will be using current business software packages and the Internet for business transactions. Employment opportunities include retail sales associates, assistant manager, sales representative, public relations assistant, ticket agent, or marketing assistant.

BUSINESS FINANCE AND ACCOUNTING

Course ID: 754723

Class Location: Woodcreek H.S.

Grade Level: 11-12

Length of Course: Full school year

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

Recommended Preparation: Recordkeeping or bookkeeping

College Articulation: Students may receive college credit at Sierra College

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

BUSINESS SOLUTIONS (Fall)

Course ID: 754333

Class Location: Granite Bay H.S.

Grade Level: 11-12

Length of Course: One semester, available fall semester (students are encouraged to take Business Data Systems during the spring semester).

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

Recommended Preparation: Computer classes and keyboarding

Prepare for today’s business environment by learning standard office procedures and practices, communication skills, and computer applications. Learn and perform typical tasks required for employment in the business world. Instruction may include basic hardware/software upgrades, business procedural development, general business concepts including entrepreneurship and the stock market, improvement of keyboarding skills, proper care and use of business equipment, and telephone techniques. Instruction also includes word processing, database, webpage, spreadsheet, schedule management, presentation, and page layout software. Employment opportunities may include receptionist, bookkeeping/account clerk, secretary, or other general clerical or related positions.

BUSINESS TECHNOLOGY

Course ID: 754233

Class Location: Lincoln H.S.

Grade Level: 11-12

Length of Course: Full school year

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

Recommended Preparation: Business classes

College Articulation: Students may receive college credit at American River College; pending at Sierra College

This class prepares students for today’s ever-changing, fast-paced business environment. Instruction includes skills vital to success in an integrated office setting. Curriculum focuses on business cultures, ethics, operations and management styles, and teaches students to develop interpersonal relationship skills. Students will analyze and manage information using word processing, spreadsheet, database, and presentation software. In addition, training will include professionalism in the office, time management, employer/employee relations, business writing and computational skills. Internships are offered in a wide variety of business environments ranging from small to large companies including legal offices, real estate, insurance, architecture, travel, county agencies and large computer companies. Employment opportunities may include receptionist, bookkeeping/account clerk, secretary, or other general clerical or related positions.

CATERING

Course ID: 754103 (AM)

Class Location: Del Oro H.S.

Grade Level: 11-12

Length of Course: One semester, available fall and spring semester

Prerequisites: Previous culinary classes and/or culinary work experience are required

In this course, students will learn the fundamentals of catering, special events, and sales in the hospitality industry. Students will develop both culinary and business skills as they pertain to running a catering operation. Students will take an active role in planning and hosting actual catering events in conjunction with the course. Designed for students who already have basic culinary skills, this course includes: menu development, quantity planning and portioning, staffing, budgeting and pricing, food preparation, transportation, and presentation. Students will be expected to participate in several catering events, some of which may be off campus, and will be outside regular class hours including weeknights and/or weekends.

CHILD DEVELOPMENT AND EDUCATION

Course ID: 754733

Class Location: Rocklin Annex

Grade Level: 11-12

Length of Course: Full school year

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

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

Requirements: Students may be required to have multiple vaccinations before being placed at training sites. Please refer to the 49er ROP webpage for details.

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

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

COMMUNICATIONS: Discovering Web 2.0 (Fall)

Course ID: 754743

Class Location: ROP Center, Auburn (Blended format)

Grade Level: 10-12

Length of Course: Semester course, available fall semester. **This class meets Tuesday evenings from 6:00-8:00 pm with the remainder of material being presented online.**

Internship Included: No

Recommended Preparation: Computer applications or equivalent experience

Requirements: **Parent and student must sign a waiver allowing students to access internet from home.**

College Articulation: Students may receive college credit at Sierra College

This is a “blended” class that combines required weekly class meetings with the remainder of material being presented online. The course will teach students the new collaborative tools available on today’s Internet, including podcasting, RSS feeds, blogs and wikis, and shared workspaces. In addition, you will learn how to find, download, and use tools to perform all of your software tasks—safely, legally, and free! This class is aimed at the self-motivated student who is intrigued by the possibilities of the world-wide network, and who has dependable access to a computer and the Internet from a location off-campus, since it will include the use of tools not generally available from the school’s network. Students will be assisted by the instructor via online chat, email, feedback to responses, and telephone.

COMPUTER TECHNOLOGY

Course ID: 754243

Class Location: Lincoln H.S.

Grade Level: 11-12

Length of Course: Full year

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

Recommended Preparation: Math and computer applications

Prerequisites: Computer classes or recommendation of instructor

College Articulation: Pending

If you are interested in a career in the technology industry, this class will get you started! This course provides students with on-the-job training in local technology companies. Instruction may include computer troubleshooting, installation of hardware and software, networking (both wired and wireless), virus and malware removal and prevention, web design and portable application design (iPhone, Droid, and iPad apps). Computer Technology gives students valuable real-world experience to apply their computer skills and helps build résumés for technology careers. Previous technical classes are strongly recommended, but not required.

CULINARY ARTS, FUNDAMENTALS

Course ID: 754203 (PM)

Class Location: Roseville H.S.

Grade Level: 10-12

Length of Course: 8 weeks, available in fall and spring semester. **Class meets evenings from 5:00-7:00 pm at Roseville HS.**

Internship Included: No

This course prepares students for entry-level positions in the field of culinary arts. This course is designed for students who enjoy cooking and are interested in pursuing culinary arts as a career. Students learn traditional, fundamental cooking skills, customer service, and teamwork skills for employment. This course fulfills the prerequisite requirement for Advanced Culinary Arts.

CULINARY ARTS, International Cuisine

Course ID: 754203 (PM)

Class Location: Roseville H.S.

Grade Level: 10-12

Length of Course: 8 weeks, available in fall and spring semester. **Class meets evenings from 5:00-7:00 pm at Roseville HS.**

Internship Included: No

Come learn how to prepare fun and exotic foods from various cultures around the world. This short-term course will develop cooking skills, techniques, and appreciation for several different world cuisines. Regions covered could include: Italian, French, Greek, Spanish, South American, Middle Eastern, Indian, and Asian. Come sign up for this international culinary tour that will delight your taste buds and teach valuable culinary skills.

CULINARY ARTS, ADVANCED

Course ID: 754683

Class Location: Roseville H.S.

Grade Level: 11-12

Length of Course: Full school year

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

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

College Articulation: Students may receive college credit at American River College. Articulation applies to North Tahoe students only. Articulation is pending at Roseville HS.

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

DENTAL CAREERS

Course ID: 754773

Class Location: ROP Center, Auburn (Blended format)

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

Length of Course: Full school year. **This class meets 3 days per week with the remainder of material being presented online.**

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

Requirements: Communication skills, good finger and gross motor dexterity. **Students may be required to have multiple vaccinations before being placed at training sites. Please refer to the 49er ROP webpage for details.** *High school students, other than independent study students, must enroll in the afternoon class*

Recommended Preparation: Biology and/or life science

Graduation Credit: Life Science

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

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

FASHION MARKETING AND MANAGEMENT

Course ID: 754203 (PM)

Class Location: Rocklin Annex

Grade Level: 11-12

Length of Course: Full school year

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

Recommended Preparation: Classes in business, marketing, textile design, art or Introduction to Fashion

This course is designed as the capstone course for the Fashion program of study. This course provides an in-depth study of merchandising techniques, fashion trends, fashion promotion, and management skills. This course is based on the business and merchandising core that includes communication skills, economics, operations, professional development, promotion, selling, distribution, and product/service management. Leadership development will be provided through student activities, training site experiences, and competitive events.

FIRE SCIENCE CAREERS

Course ID: 754833

Class Location: Maidu Fire Station, Auburn

Grade Level: 11-12

Length of Course: Full school year

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

Requirements: Communication skills, physical agility, coordination and stamina, basic math skills, good eyesight, and good physical condition for the rigorous physical component included in this course. Students who have asthma or other breathing conditions or allergic conditions should contact the instructor to determine appropriate placement. **Students must complete agency-required background questionnaire prior to acceptance in course**

Recommended Preparation: Algebra, geometry and biology

College Articulation: Students may receive college credit at Sierra College

Fire Science Careers is an introductory class into the challenging career of a firefighter. Students will have the opportunity to learn the skills used by firefighters. The curriculum will include emergency medical aide training, CPR and first aid, fire behavior and extinguishment theory, wildland fire operations, fire protection and safety, use of equipment (hoses and appliances, ground ladders, ropes) and first responder operations. Internships will be in local fire stations or at Cal Fire. A person must be 18 years of age before they may be employed as a firefighter. A written test and a medical examination are required prior to employment. Employment opportunities may include seasonal firefighters for California Department of Forestry and Fire Protection and the United States Forest Service. **Enrollment is extremely limited and selection is based on application and interview.**

GAME DEVELOPMENT

Course ID: 754203 (PM)

Class Location: ROP Center, Auburn (Blended format)

Grade Level: 11-12

Length of Course: One semester, available fall and spring semester. **This course meets Tuesday evenings 6:00–8:00 p.m. with the remainder of the material being presented online.**

Internship included: No

Prerequisites: Computer classes or recommendation of instructor

Video and computer game development has become a large sector of the computer programming industry. In this class you will be exposed to programming in a way that is fun and exciting. If you ever said to yourself “I wonder how that works” about a game, well then this class is for you. You will explore video game development while making games that work on the Xbox or PC using Microsoft XNA framework and C# programming languages. The class offers you an insight into the world of game development. Career paths include Application Developer, Game Software Programmer, Software Developer, and Game Designer. Students must be self-motivated and disciplined to succeed in a blended format of instruction.

GRAPHIC COMMUNICATION ARTS

Course ID: 757725

Class Location: Lincoln H.S.

Grade Level: 11-12

Length of Course: Full school year

Internship Included: No

Recommended Preparation: Art, computer application/studies, and journalism

Graduation Credit: Fine Arts (WPUSD, PUHSD, RUSD)

College Articulation: Pending

UC Course Approval: This course qualifies as a UC “F” course (Visual and Performing Arts) for the UC admissions application.

In this on-campus class, students learn skills for jobs in the exciting graphic arts field of digital and print media. This class offers instruction in graphic design techniques, desktop publishing, computer graphics, multimedia, and portfolio development using the latest software for designers. Hands-on involvement takes place in a classroom environment. Employment opportunities may include entry-level jobs in graphic design.

HEALTH CAREERS

Course ID: 757730

Class Location: ROP Center, Auburn

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

Length of Course: Full school year

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

Recommended Preparation: Biology or life science

Graduation Credit: Life Science

Requirements: Students are required to have multiple vaccinations before being placed at training sites. Please refer to the 49er ROP webpage for details. Students may also need to clear a background check.

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

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

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

INTEGRATED ANIMAL SCIENCE

Course ID: 754923

Class Location: ROP Center, Auburn (Blended format)

Grade Level: Juniors and seniors (seniors have priority)

Length of Course: Full school year. **This course meets 4 days per week with the remainder of the material being presented online.**

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

Prerequisite: Biology and Algebra, C grade or better

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

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

UC Course Approval: This course qualifies as a UC “d” lab science for the admissions application. Students are admitted to this course with instructor approval.

This class offers instruction in small and large animal health care, study of common diseases (pathology), veterinary procedures, diagnostic laboratory procedures, basic anatomy and physiology, medical and animal related terminology, animal handling and restraint techniques, 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. Employment opportunities may include veterinary assistant, horse farm employee, veterinary hospital aide, or zoo employee.

INTRODUCTORY WORKPLACE SKILLS

Course ID: 754103 (AM)

Class Location: Lincoln H.S.

Grade Level: 11-12

Length of Course: Full school year

The curriculum is a student-centered curriculum based on the premise that students gain personal power when they set goals, learn employability skills, and make productive choices. The curriculum focuses on three areas: personal management, career management, and life management. It provides skill development instruction and experiences for entry-level positions in office, food service and retail settings.

LAW ENFORCEMENT CAREERS

Course ID: 754863

Class Location: Roseville H.S.

Grade Level: 11-12

Length of Course: Full school year

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

Internship Included: No

College Articulation: Students may receive college credit at Sierra College

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

MEDICAL ASSISTING, CLINICAL

Course ID: 757760

Class Location: ROP Center, Auburn (Blended format)

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

Length of Course: Full school year. **This class meets 3 days per week with the remainder of material being presented online.**

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

Requirements: Students are required to have multiple vaccinations before being placed at training sites. Please refer to the 49er ROP webpage for details. Students may also need to clear a background check as required by training site.

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

College Articulation: Students may receive college credits at Sierra College

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

NETWORK TECHNOLOGY (CISCO Networking)

Course ID: 754873

Class Location: ROP Center, Auburn (Blended format)

Grade Level: 11-12

Length of Course: Full school year. **This class meets 3 days per week with the remainder of material being presented online.**

Internship included: No

Recommended Preparation: Computer classes, technical writing, knowledge of Windows OS, hardware and software use and installation

Train for a high-paying and in-demand occupation—learn the basics of network design and management for wired and wireless networks. Students will learn how to configure networking protocols to maximize performance; learn to configure networking devices to implement VLANs, access control lists, and WAN links; and learn to design small enterprise LANs and WANs. Prepare for the *Cisco Certified Entry-level Network Technician* certification and for employment in a rapidly expanding field. This is a “blended” class that combines required weekly class meetings with the remainder of material being presented online.

OPEN SOURCE PRODUCTIVITY TOOLS (Spring)

Course ID: 754203 (PM)

Class Location: *ROP Center, Auburn (Blended format)*. This class meets Tuesday evenings 6:00-8:00 pm with the remainder of material being presented online.

Grade Level: 10-12

Length of Course: One semester, available spring semester

Internship Included: No

Recommended Preparation: Computer applications or equivalent experience

Requirements: **Parent and student must sign a waiver allowing students to access internet from home.**

College Articulation: Students may receive college credit at Sierra College

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

SPORTS MEDICINE CAREERS

Course ID: 757795

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

Grade Level: 11-12

Length of Course: Full school year

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

Requirements: Students may be required to have multiple vaccinations for this class. Please refer to the 49er ROP webpage for details.

College Articulation: Students may receive college credit at Sierra College

Graduation Credit: Life Science (PUHSD, NJUHSD)

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

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

VIDEO PRODUCTION

Course ID: 754883

Class Location: *Lincoln H.S.*

Grade Level: 11-12

Length of Course: Full school year

Internship included: No

UC Course Approval: This course qualifies as a UC “f” course (Visual and Performing Arts) for the UC admissions application.

College Articulation: Pending

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