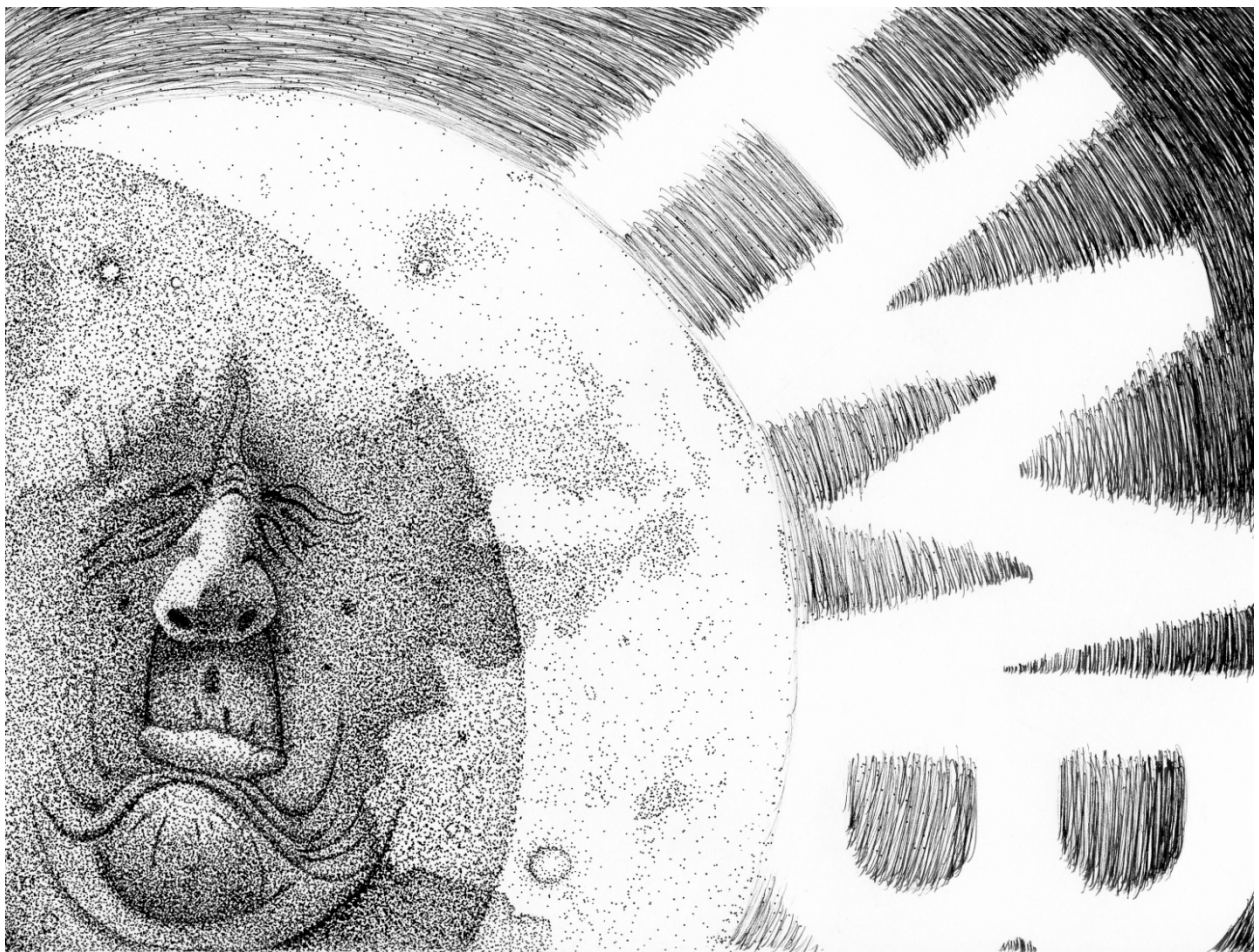


# Half Moon Bay High School

## Student Planning Guide 2012-2013



Cover Art by: Daniel Welch



# Half Moon Bay High School 2012-13 Course Offerings

## Quick Reference- Course Numbers

### Agriculture

Agriculture/Environmental Science – 0613  
\*Agricultural Biology – 0616  
\***Agriculture Business Management- 0608**  
\***Agriculture Practices- 0611**  
\*Agriculture Gov & Economics – 0615

### Art

Art I – 0550  
\*Art II – 0552  
\*Art III – 0556  
\*Art IV – 0558  
\***AP Art History – 0573**  
\*AP Studio Art:  
    Drawing (0569)  
    2D (0560)  
    3D (0561)  
Sculpture I – 0564  
\*Sculpture II – 0567

### English

English I - 0107  
\*English I – Advanced – 0106  
English II – 0122  
\*English II - Advanced – 0121  
English III – 0132  
\*AP English Language & Comp- 0148  
English IV – 0142  
\*AP English Literature & Compo – 0147

### ELD

\*ELD I – 0869/0857/0858  
\*ELD II – 0853/0855/0854  
\*ELD III – 0861/0864  
\*ELD Strategic Academic Support – 0845  
\*Adv ELD Strategic Academic Support- 0884  
English I – SDAIE – 0108  
English II – SDAIE – 0126  
Algebra Readiness – SDAIE – 0301  
\*Algebra I – SDAIE – 0324  
\*Geometry – SDAIE – 0334  
Earth Science – SDAIE – 0426  
Biology – SDAIE – 0431  
Freshman Studies – SDAIE – 0205  
World History – SDAIE – 0211  
United States History – SDAIE – 0222  
American Gov/Economics – SDAIE – 0231

### Industrial Arts

General Shop – 0652  
Small Gas Engines – 0656

\*Advanced Small Gas Engines – 0657  
Beginning Woodworking – 0660  
\*Advanced Woodworking – 0663  
Beginning Metalworking – 0658  
\*Advanced Metalworking – 0664  
\*Independent Study Industrial Arts – 0666

### Mathematics

\*Algebra Readiness – 0310  
\*Algebra I – 0320  
\*Geometry – 0330  
\*Advanced Geometry – 0335  
\*Algebra II – 0340  
\*Advanced Algebra II – 0345  
\*Pre-Calculus – 0359  
\***Advanced Pre- Calculus- 0363**  
\***College Prep Math- 0350**  
\*AP Statistics – 0362  
\*AP Calculus AB – 0360  
\***AP Calculus BC- 0364**

### Music

Instrumental Music: Concert Band – 0583  
\*Instrumental Music: Marching Band-0579  
\*Jazz Ensemble – 0577  
Chorus - 0580  
\*Chorale – 0582  
\***Music Appreciation- 0578**

### Physical Education

Core P.E. Program:  
    Grade 9 (0813)  
    Grade 10 (0814)  
Core P. E. - Zero Period (Early Bird):  
    Grade 9 (0811)  
    Grade 10 (0812)  
\*Elective P.E. – 0803  
\*Independent Study P. E. - 0815

### Publications

**Journalism & Literary Journal (0190)**  
\*Yearbook – 0182

### Science

Earth Science – 0425  
Biology – 0430  
\*Chemistry – 0440  
\*Physics – 0450  
\*Marine Ecology – 0412  
\***AP Environmental Science- 0438**  
\*AP Biology – 0432  
\***AP Physics B- 0456**

### Social Science

Freshman Social Studies – 0204  
World History – 0212  
\*AP World History – 0215  
United States History – 0220  
\*AP United States History – 0221  
American Government/Economics – 0230  
\*AP Government/Economics – 0234

### Technology

\*Introduction to Mass Media – 0641  
\***Animation 1- 0642**  
\*Web Design & Animation – 0647

### World Languages

Spanish I – 0500  
\*Spanish II – 0510  
\*Spanish III – 0515  
\*AP Spanish IV – 0528  
\*AP Spanish V – 0529  
Spanish for Spanish Speakers I – 0490  
\*Spanish for Spanish Speakers II – 0492  
French I – 0530  
\*French II – 0535  
\*French III – 0540  
\*AP French IV – 0545

### Resource/Special Education

\*Basic Independent Study - 0754  
\*Basic English – 0752  
\*Basic World History – 0772  
\*Basic United States History – 0704  
\*Basic American Gov/Economics – 0753

### Special Programs

English Prep – CAHSEE – 0154  
Math Prep – CAHSEE – 0315  
\*Leadership – 0820  
\*Aventa Online - 0835  
\*Student Aides:  
    Teacher's Aide – 1999  
    Office Aide – 0910  
    Counseling Aide - 1998  
    Repo Depo Print Aide – 0905  
    Library Aide – 0002

\* Indicates teacher signature required  
**New courses are in BOLD**



## Half Moon Bay High School Student Planning Guide 2012-2013

This program planning guide will provide you with long-range guidelines for planning your high school courses in preparation for graduation and for college entrance or employment. Careful thought on your part, with helpful advice from your parents, teachers, counselors, and friends will undoubtedly save you regrets and difficulty in the future. The decisions you make now are important ones. This planning guide has been prepared to help you make these decisions.

We urge you and your parents/guardians to read this guide completely. Special programs and increased opportunities are available to students with some initiative and willingness to plan ahead.

Please evaluate your past academic performance with your counselor and teachers. Check the prerequisites or requirements for the courses you would like to take next year. Keep in mind the requirements for graduation. If you have uncertainty about your credits, your counselor or the registrar will be happy to advise you on your class standing.

### **STUDENT CHECK LIST**

The most efficient and effective way to use the Student Planning Guide is to carry out each step listed below and check it off when you finish it. A time-line for the scheduling process will be given by your counselor during the *2012-2013 Course Selection PLP* counseling session.

- \_\_\_\_\_ 1. Read the introductory pages of this guide and become familiar with the general content.
- \_\_\_\_\_ 2. Review your transcript and your 4 year plan (leave your transcript attached to your course request form).
- \_\_\_\_\_ 3. Read the course descriptions, especially the prerequisites, of all courses you are planning to request.
- \_\_\_\_\_ 4. If required, obtain signatures for courses needing prior approval, including your parent/guardian's signature (if requesting an Advanced/AP Course or at TA position, be sure to attach a contract).
- \_\_\_\_\_ 5. Be sure you have selected at least 2 appropriate alternate courses in the event that your course is not available.
- \_\_\_\_\_ 6. Turn your course requests in on time. **DUE DATE:** \_\_\_\_\_

### **Please remember...**

**All efforts will be made to enroll you in the classes you select.**

**If you have not met all of the course requirements, you will be placed in the appropriate course. If the course you select is not available, you will be placed in an alternate or other available course. With very few exceptions, course changes cannot be accommodated.**

## **GRADUATION REQUIREMENTS**

The Course of Study at Half Moon Bay High School (Cabrillo Unified School District Board Policy No. 527) requires all pupils in grades 9-12 to successfully complete 230 credits including the following:

- 1) Forty (40) semester credits (4 years) of English and demonstrated proficiency in reading and writing as determined by the California High School Exit Exam (CAHSEE)\*.
- 2) Thirty (30) semester credits (3 years) of mathematics and demonstrated proficiency in arithmetic as determined by the California High School Exit Exam (CAHSEE)\*. Of the thirty (30) credits, ten (10) must be for Algebra I or higher. Please note that all colleges/universities recommend 4 years.
- 3) Forty (40) semester credits (4 years) of social studies, to include 10 credits (one year) of Geography/Technology/State Requirements, 10 credits (one year) of World History, 10 credits (one year) of U.S. History, 5 credits (one semester) of American Government or Agricultural American Government and 5 credits (one semester) of Economics or Agricultural Economics.
- 4) Twenty (20) semester credits (2 years) of science including one year of a life science and one year of a physical science. The life sciences are Biology, AP Biology, Agricultural and Environmental Science, Agricultural Biology and Marine Ecology. The physical sciences are Agricultural/Environmental Science, Earth Science, Chemistry, and Physics.
- 5) Twenty (20) semester credits (2 years) of physical education (completed in the 9<sup>th</sup> and 10<sup>th</sup> grades).
- 6) Ten (10) semester credits (1 year) of fine arts. World language, music or art may be used to satisfy this requirement. Please note however, that colleges and universities require both a visual/performing art and 2-3 years of a foreign language.
- 7) Seventy (70) semester credits of electives – all courses not fulfilling the above categories are counted as electives.

Please note: A maximum of thirty (30) semester credits of Service Credits may be applied toward graduation requirements. Service Credits include: teacher aide, office aide, library aide and Repo-Depo assistant.

Service credits count towards high school electives only. Students earn credit, but will not receive academic grades. Service Credits will not be considered in determining grade point average. Credit is given on a pass/fail/variable credit/no credit basis.

\* The California High School Exit Exam (CAHSEE) is administered to each student beginning in the spring of sophomore year. Students have a total of six (6) opportunities to take and pass both sections (English and Mathematics) of the exam throughout the four years of high school.

Credits are earned at a rate of **five (5) per semester** for each class passed, and **ten (10) per year** for each year-long class passed. Fewer credits may be earned for classes identified as **variable credit** courses.

*Please use the "Four-Year Planning Sheet" on the following page to assist in course selection.*



# Half Moon Bay High School

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 Cabrillo Unified School District • [www.cabrillo.k12.ca.us/hmbhs](http://www.cabrillo.k12.ca.us/hmbhs)

Name: \_\_\_\_\_ Grade \_\_\_\_\_ Date \_\_\_\_\_

Grade 9 - Freshman	Grade 10 - Sophomore	Grade 11 - Junior	Grade 12 - Senior
Geography English: _____ Physical Education Math: _____ Other: _____ Other: _____ <i>Early Bird/ Extra Class:</i> _____	World History English: _____ Physical Education Math: _____ Other: _____ Other: _____ <i>Early Bird/ Extra Class:</i> _____	U.S. History English: _____ Math: _____ Other: _____ Other: _____ Other: _____ Other: _____ <i>Early Bird/ Extra Class:</i> _____	Government/Economics English: _____ Other: _____ Other: _____ Other: _____ Other: _____ <i>Early Bird/ Extra Class:</i> _____

Credit Recovery		
<u>Summer School/Online 1</u>	<u>Summer School/Online 2</u>	<u>Summer School/Online 3</u>
1) _____	1) _____	1) _____
2) _____	2) _____	2) _____
Adult Ed Program (Pass/Fail only)		
1) _____		2) _____

Half Moon Bay High School Graduation Requirements	CSU/UC A-G College Prep Requirements
__ 4 years English __ 1 year Freshman Studies/Social Studies __ 1 year World History __ 1 year U.S. History __ 1 year American Government/Economics or Ag Gov/Econ __ 2 years Physical Education (PE) __ 3 years Math (must include Algebra I) __ 1 year Fine Arts (Art, Music, World Languages) __ 1 year Physical Science (Earth Science, Chem., Ag Chem., Physics) __ 1 year Life Science (Ag/Env Science, Biology, Ag Bio) __ Elective (70 credits - anything not being counted under another category)	__ <b>A - History/Social Science</b> - 2 years required 1 year of World History and 1 year of U.S. History __ <b>B - English</b> - 4 years required 4 years of college-prep English (may include 1 year of A-G approved ELD) __ <b>C - Mathematics</b> - 3 years required, 4 recommended Algebra I, Geometry, Algebra II, Pre Calc, AP Calc, AP Stat __ <b>D - Laboratory Science</b> - 2 years required, 3 recommended Biology, Chemistry, Physics, Ag Bio, Ag. Chemistry, AP Biology __ <b>E - Language Other than English</b> - 2 years required, 3 recommended. Must be the same language. Middle school courses can fulfill part of this requirement. __ <b>F - Visual and Performing Arts</b> - 1 year required 1 yearlong arts course from a single discipline: music or visual art. __ <b>G - College Preparatory Electives</b> - 1 year required examples: Pre Calc, Earth Science, Spanish III, Art II, AP Biology

For more information, visit our school web site:  
[www.cabrillo.k12.ca.us/hmbhs](http://www.cabrillo.k12.ca.us/hmbhs)

For information about **California Community Colleges** go to:  
[www.cccco.edu](http://www.cccco.edu) or [www.CaliforniaColleges.edu](http://www.CaliforniaColleges.edu)

For more information about **California State Universities** go to:  
[www.csumentor.edu](http://www.csumentor.edu)

For more information about the **University of California** go to:  
[www.universityofcalifornia.edu/admissions/](http://www.universityofcalifornia.edu/admissions/)

## **GENERAL INFORMATION**

### **Number of Courses and Credit**

The normal/expected course load for students at Half Moon Bay High School is six (6) courses per semester. Senior students who need 50 or less credits at the start of senior year, may take five (5) courses.

### **Class Attendance**

Regular class attendance is required. Missing class, even due to illness, will affect achievement and/or grades for students. Excessive absences will endanger the student's success.

Students should clear absences through the Attendance Office within 24 hours of the absence. Students are encouraged to have their parents clear the absence the day of absence by calling the Attendance Office at 712-7200 ext. 5020; otherwise, a note signed by the parent or guardian should accompany the student to the Attendance Office upon the student's return.

Students shall be allowed to make up work they have missed because of excused absences (in a timely manner). Teachers are not required to allow students to receive credit for work missed due to truancy or other unexcused absences. Per policy created by the Academic Council, no students will be allowed to test outside of the final exam dates unless the absence is excused. Please plan accordingly.

A senior student must have a school attendance record of 85 percent (85%) actual attendance of the periods in which the student is enrolled for the current school year. Both excused and unexcused absences will be counted. Absences due to school-sponsored trips and/or school activities are not counted as absences toward the 85% attendance requirement. Excessive tardies may impact this percentage.

### **Schedule Changes**

Students must select courses carefully. Students are expected to remain in their selected classes throughout the year. Only under exceptional circumstances will courses be changed after scheduling.

In the event that a class is dropped after the first two weeks of the semester, it will result in a grade of W/F (withdrawal/fail) for the semester, and can count as a 'O' (zero) in GPA calculations. Deadlines to avoid a grade of W/F are ten school days from the first date of the semester.

### **Variable Credit**

Some service learning (such as student aides) positions offer variable credit. Students can earn from ½ to 5 credits for each semester. It is the responsibility of the student and parents to keep track of credits earned in order to meet graduation requirements.

### **Grading**

Letter grades A through F (and Pass/Fail or Credit/No Credit) are used at Half Moon Bay High School. Plus and minus are not used in grade point calculations. A student who receives an "Incomplete" mark has four weeks from the end of the quarter to make up the incomplete work. Unless make-up work is completed at the end of week four, the "Incomplete" grade becomes a "Fail" or F for the course. Students must communicate with their teachers in a timely manner regarding make-up/incomplete work.

### **Honor Code**

Half Moon Bay High School's Honor Code is based on the premise that honesty, hard work, and diligent study brings about academic success and a sense of accomplishment. Cheating or academic dishonesty is a serious violation of school rules and the honor code. The following procedures address students whom:

- Receive or provide information during a test
- Receive or provide information on tests given during an earlier period
- Gain unauthorized access to test materials
- Use unauthorized material on tests
- Use ideas or written material from other sources, students, or professional writers without acknowledging the source in their own writing
- Use or copy another student's work when not authorized by the teacher or by the originating student
- Allow other students to use their work on assignments

The above list is not meant to be all-inclusive, and teachers will apply this policy as outlined in the course rules. The teacher's professional judgment will determine whether the cheating has occurred. Depending on the nature of the infraction and the previous record of the student, the teacher may follow one or more of the following procedures:

1<sup>st</sup> Offense: Immediate zero/F; Referral to AP; parent notification; 2 detentions assigned

2<sup>nd</sup> Offense: Immediate zero/F; Referral to AP; mandatory meeting with parents; Saturday School and loss of participation in school activities/athletic participation for at least one week

3<sup>rd</sup> Offense: Immediate zero/F; Referral to AP; mandatory meeting with parents; automatic suspension and return to school pending a student contract

### **Valedictorian**

The Valedictorian of Half Moon Bay High School is determined by the following criterions:

1. Total number of courses taken.
2. The number of AP/Honors courses taken during the school year weights the GPA.  
Weighted GPA = GPA + .2 X (each AP and/or Honors course)
3. Only courses that are taken at HMBHS which are designated AP/Honors on our master schedule will be weighted for GPA calculation.
4. A student, who has transferred to Half Moon Bay High School, will receive credit for AP/Honors courses as verified by their transcript.
5. Courses taken at a community college or local university can count toward your GPA, but will not count toward your weighted GPA to determine the valedictorian.
6. If necessary, pluses and minuses will be calculated to break a tie as will 3<sup>rd</sup> quarter and final progress grades.

### **Duplicate Credit**

Students sometimes repeat a course for the purpose of improving a grade (please note that colleges/universities have individual policies regarding this practice). Ordinarily, no additional credit will be earned. However, the following departments may offer some courses for duplicate credit with the permission of the teacher and counselor:

- Agriculture, Art, ELD, Industrial Arts, Music, Physical Education, Technology

In addition, the following courses may be repeated for additional credits:

- Yearbook, Leadership, & all Aide positions (Teacher, Library, Office, and Repo-Depo)
  - 30 credits max in Aide positions can count towards graduation. Pass/Fail grading.

### **Repeat of Courses - Grade Policy**

A student may elect to repeat a course. The rules regulating a repeat course are:

1. Permanent record should reflect an accurate record of all student work.
2. The course title and grade will be recorded each time the course is attempted.
3. When a course is repeated, the credits will be given only once.
4. The highest grade is retained and included in the GPA calculation regardless of when taken (refer to individual colleges/universities for their policies).

### **HMBHS Transcript Policy: College Board (AP/SAT) and ACT Scores**

All scores received by HMBHS from 3<sup>rd</sup> party agencies such as the College Board and ACT will be posted to a student's transcript. If the student would prefer for none of the scores to be posted, the student and guardian will submit in writing this request to the registrar; forms are available in the counseling office. There is not a "score choice" option for posting select outside agency test scores on the transcript, all will be posted unless a written request is made to remove all scores; selection of highest scores not permitted.

### **California High School Proficiency Examination - (CHSPE)**

Persons who are sixteen (16) years old or older may elect to take the California High School Proficiency Examination. Persons who are younger than sixteen (16) may take the test if they have completed a year of enrollment in the 10<sup>th</sup> grade or will complete a year of enrollment in the 10<sup>th</sup> grade at the end of the semester in which the test date falls. The College Entrance Examination Board (CEEB) will administer the examination and there is a charge for the examination. Upon receipt of the CHSPE certificate of exemption, the student is eligible, with guardian approval to exit high school and apply for entrance into the community college system. For more information and registration, go to <http://www.chespe.net>

## **Withdrawals**

Students transferring to another school must bring the school secretary a written statement from their parents or legal guardian stating the reason for withdrawal. He/she must check out with each teacher, the librarian and the school secretary. Books and materials must be returned (or paid for) to the school.

## **Textbooks and Equipment**

It is the responsibility of the student to maintain and return all textbooks and equipment. Students will be assessed for the cost to replace all lost/damaged items.

## **Community Colleges - Concurrent Enrollment Program**

The Concurrent Enrollment Program of the San Mateo Community College District allows high school students to take advanced scholastic or vocational work. With consent from their high school counselor, students may take college courses concurrently at a community college. Please note: Due to budget constraints, space for high school students at CSM, Skyline, and Cañada continues to be limited. Please see your counselor and go to [smccd.edu/collegeconnection](http://smccd.edu/collegeconnection) for more information.

## **Post Graduation Options**

As you examine your interests, abilities, and goals, you will have a better idea of what you would like to do in the future. Before you make a final decision, it is important to know the different options that are available and what you must do to achieve your goals. These will be discussed in detail throughout high school in the Personal Learning Plan (PLP) Counseling Program. The major categories are:

### **1) Entry Level Jobs**

Taking high school courses which relate to your interests would help to qualify you for entry-level jobs. Taking Regional Occupation Program (ROP) classes in high school can provide you with training.

### **2) Community College - Vocational School**

Vocational training at a community college or technical school, will enable you to develop the knowledge & skills to give you job security and allow for advancement in your work. Admission to a community college requires that you complete a high school program of study, OR pass the high school proficiency examination, OR be 18 years of age and able to profit from a college studies. An Associate of Arts (AA) or Associate of Science (AS) degree is awarded in many two year vocational technical programs. A one year certificate program is also available in certain fields.

### **3) Community College Transfer**

A student planning to transfer to a four-year college or university can complete their first two years of study at a community college. It is important that you consult with your college advisor/transfer counselor in order to arrange a program/contract which will meet the requirements to transfer to the college or university of your choice. For more information on transferring, go to [www.assist.org](http://www.assist.org). *Students planning this academic path are urged to complete four years of math in high school in addition to four years of English (required). This will better prepare them to take the required placement tests and allow them to begin taking transferable level courses. Please note that because of budget cuts and a high demand for Community College courses, it is unlikely that students will be able to complete all transfer requirements in two years.*

### **4) Four-Year University**

Visit [www.californiacolleges.edu](http://www.californiacolleges.edu) for info on all Colleges/Universities in California.

## **University of California (UC) Entrance Requirements:**

[www.universityofcalifornia.edu](http://www.universityofcalifornia.edu)

The Univ. of California's "A through G" plan is the means by which high school graduates meet minimum college and university entrance requirements. All courses must be UC approved – For HMBHS's UC Course List visit [www.doorways.ucop.edu/list](http://www.doorways.ucop.edu/list). See course descriptions and planning worksheet (p. 3).

- |    |   |           |
|----|---|-----------|
| a) | Social Science (US History/World History)     | 2 years   |
| b) | English                                       | 4 years   |
| c) | Mathematics (Algebra I, Geometry, Algebra II) | 3-4 years |
| d) | Laboratory Science                            | 2-3 years |
| e) | World Language (same language)                | 2-3 years |

f)	Visual or Performing Arts	1 year
g)	College Preparatory Electives	1 year

At Half Moon Bay High School, the “G” Electives” may be met with American Government/Economics, Pre-Calculus, AP Calculus, AP Statistics, Earth Science, Marine Ecology, Physics, AP Biology, French III, AP French IV, Spanish III, and AP Spanish IV/V or one year of advanced fine arts, band or music.

Other college prep electives may be taken at a community college if they are transferable to a university.

**Academic Requirements:** While the UC uses a 14-point comprehensive review, they use grades and test scores to determine initial eligibility. In calculating an applicant's grade point average for admission, the UC will use the grades earned in “A-G” courses taken in the 10<sup>th</sup> and 11<sup>th</sup> grades. Eligibility is based upon an "Eligibility Index" which is a combination of the grade point average and the college entrance examination scores. A grade of ‘C-’ or better is required in all of the "A through G" courses including those taken in freshman year.

The grades earned AP and Honors level courses may earn extra grade points (or a “weighted gpa”) when applying to a university. See your high school counselor for limitations. It is highly encouraged that students set goals that include at least one of these courses in their 4 year plan.

**Examination Requirement** - Applicants for college freshman status must submit the following test scores:

1. One aptitude or achievement exam, either the SAT I (Scholastic Aptitude Test), aka SAT Reasoning, or the ACT (American College Test) with writing.
2. For UCs, taking two (2) SAT II, subject matter tests is recommended but no longer required for the class of 2012 and beyond.

Register for the SAT at [www.collegeboard.com](http://www.collegeboard.com)

Register for the ACT at [www.actstudent.org](http://www.actstudent.org)

**California State University (CSU) Entrance Requirements:**

[www.csumentor.edu](http://www.csumentor.edu)

It is recommended that students follow the UC ‘A-G’ preparatory program in high school in order to qualify for the California State Universities. Eligibility is based on an “Eligibility Index” which is a combination of grade point average and college entrance examination scores. Course Requirements are almost identical to those of the University of California.

**Academic Requirements:** The scholarship requirements for the CSU are the same as that for the University of California. Grades of C- or better are needed in all of the required courses. There are a few special rules regarding the validation of lower grades – see your counselor for specifics.

**Examination Requirement** – An aptitude or achievement exam is required, and it may be either the SAT I (SAT Reasoning) or the ACT.

**Private and Out of State Universities**

[www.aicumentor.org](http://www.aicumentor.org) (for Private/Independent Colleges and Universities)

It is generally recommended that students follow the UC/CSU ‘A-G’ preparatory program in high school in order to qualify for private and out of state universities. It is in the student’s best interest to research each individual university to determine additional or alternate requirements; for example, while the UCs no longer require SAT Subject Tests, many private and out of state universities have maintained this requirement.

**For more information about  
Half Moon Bay High School,  
we encourage you to explore  
[www.cabrillo.k12.ca.us/hmbhs](http://www.cabrillo.k12.ca.us/hmbhs)**

# **HMBHS COURSES**

## **2012-2013**

### **AGRICULTURE**

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#### **Agriculture/Environmental Science (0613)**

- Year long course – 10 credits
- Grades eligible: 9,10 (11, 12 w/Ag teacher approval)
- Prerequisites: None
- Graduation requirement: Physical Science (**Note: formerly Life Science**)
- \*UC/CSU A-G requirement: 'G' (Elective)  
*\*Pending approval*

This Agriculture science course is the first in a four year sequence of Agriculture courses; it is open to all students interested in the fields of agriculture science and/or related businesses. Emphasis is placed on natural resources and the earth science principles involved in agricultural production. Students will also be introduced to California agriculture, the diversity of agricultural careers and opportunities, record keeping, critical thinking, and leadership development.

The FFA and outside Agriculture Department activities are an integral part of this program; students are expected to participate in a number of these activities. During the second semester, in addition to class projects, students are required to conduct a Supervised Agriculture Experience (SAE) project, which they will design and work on outside of class time.

#### **Agricultural Biology (0616)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - 'C-' or higher in Algebra I OR 'C-' or higher in Ag/Env Science
- Graduation requirement: Life Science
- UC/CSU A-G requirement: 'D' (Laboratory Science)

This class will improve the student's scientific knowledge and expose the student to biological science and its influence on the agriculture industry. Students will investigate the genetics of plant life and animals, how those genetics have changed, and how those changes have affected the agriculture industry. Students will investigate the cell and how it influences the entire organism. The class will have an in-depth study of the vertebrate and invertebrate and the functions that they play in everyday life. Ecology and the role of organisms on the environment, the conservation of natural resources and alternative renewable resources will also be investigated.

The FFA and outside Agriculture Department activities are an integral part of this program; students are expected to participate in a number of these activities. During the second semester, in addition to class projects, students are required to conduct a Supervised Agriculture Experience (SAE) project, which they will design and work on outside of class time.

#### **Agriculture Business Management (0608)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - 'C-' or higher in another Ag course
- Graduation requirement: Elective credit
- \*UC/CSU A-G requirement: 'G' (Elective)  
*\*Pending approval*

This course is designed for students interested in understanding the operations and institutions of economic systems as applied to our nation's largest industry, agriculture. The course provides entry-level training in agribusiness management. Instruction covers basic economic principles, supply and demand, equilibrium price, record keeping, operation of cooperatives, budgeting, cash flow, planning and analysis, purchasing, marketing and relevant laws and regulations relating to agribusiness. Students will also plan and present an agribusiness with respect to labor, equipment, financing, marketing, and general management decisions. Students will use computers and software featuring powerpoints, spreadsheets, journals, accounting and record keeping in their training. Through this, students will practice presentation, speaking, writing, and communication skills that are essential in business. Students will continue to develop their critical thinking and leadership abilities.

The FFA and outside Agriculture Department activities are an integral part of this program; students are expected to participate in a number of these activities. During the second semester, in addition to class projects, students are required to conduct a Supervised Agriculture Experience (SAE) project, which they will design and work on outside of class time.

#### **Agriculture Practices (0611)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - 'C-' or higher in another Ag course
- Graduation requirement: Elective credit
- \*UC/CSU A-G requirement: 'G' (Elective)  
*\*Pending approval*

This course is designed to develop understanding and execution of basic seasonal farm operations. Students will learn to use common farm machinery and equipment, as well as perform soil tillage, crop cultivation, irrigation, and crop harvesting; students will

learn to manage greenhouse production, on a small and large scale; students will also practice the principles of market and breeding livestock, including care, feeding, and handling. This class will involve a collaboration with local farms, greenhouse operations, and educational organizations and is recommended for students with a need in agricultural experience for satisfactory progress toward occupational objectives. Students will be required to keep time and financial record of their practice and submit it for FFA proficiency awards. Students will continue to develop their critical thinking and leadership abilities.

The FFA and outside Agriculture Department activities are an integral part of this program; students are expected to participate in a number of these activities. During the second semester, in addition to class projects, students are required to conduct a Supervised Agriculture Experience (SAE) project, which they will design and work on outside of class time.

**Agriculture Gov. & Economics (0615)**

- Year long course – 10 credits
- Grades Eligible: 12

- Prerequisites:
  - ‘C-’ or higher in an Ag course
  - Ag teacher approval
- Graduation requirement: American Gov/Econ
- UC/CSU A-G requirement: ‘A’ (History) for one semester and ‘G’ (Elective), for one semester

One semester will focus on the basic structure and operations of the federal government with a focus on its affect on agriculture. Contemporary issues will be studied as they develop. The second semester will investigate the economics and business practices of the agriculture industry. Students will also learn about record keeping and leadership skills will be developed.

The FFA and outside Agriculture Department activities are an integral part of this program; students are expected to participate in a number of these activities. During the second semester, in addition to class projects, students are required to conduct a Supervised Agriculture Experience (SAE) project related to the botanical world, which they will need to design and work on outside of class time.

**Half Moon Bay High School Agriculture Course Offerings by Year**

<i>Freshmen</i>	<i>Sophomores</i>	<i>Juniors</i>	<i>Seniors</i>
<b>Ag/Env Science</b>	<b>Ag/Env Science</b>	<b>Ag Biology</b>	<b>Ag Econ/Government</b>
<b>Ag Biology</b>	<b>Ag Biology</b>	<b>Ag Business Management</b>	<b>Ag Biology</b>
	<b>Ag Business Management</b>	<b>Ag Practices</b>	<b>Ag Business Management</b>
		<b>*Ag/Env Science (*with Ag teacher approval)</b>	<b>Ag Practices</b>
			<b>*Ag/ Env Science (*with Ag teacher approval)</b>

**ART** 

**Art I (0550)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - None
- \$45 material donation is requested
- Graduation requirement: Fine Art
- UC/CSU A-G requirement: ‘F’ (Visual and Performing Arts)

Art I is an introductory course for the beginning art student. This comprehensive course covers a wide variety of experiences ranging from drawing and painting to ceramics, printmaking and art history. The course also provides students with an appreciation and understanding of art. Basic design concepts are included in all activities. Mastery of drawing

and painting skills are stressed. The year is divided as follows:

1<sup>st</sup> Semester: drawing in pencil, pen and ink, color theory and painting.

2<sup>nd</sup> Semester: ceramics and sculpture, design and composition, printmaking, portrait drawing.

**Art II (0552)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current art teacher approval
  - ‘C’ or higher in Art I
  - Department approval
    - ◆ Students must submit a portfolio for review by the Art II teacher.
- \$50 material donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: ‘F’ (Visual and Performing Arts)

Art II continues the study of art on a more advanced level, with a greater emphasis on skill acquisition, self-expression, and problem solving. Written tests, art history, outside writing, and weekly sketches outside of class are required.

1<sup>st</sup> semester: working from observation is stressed more in Art II and includes perspective, drawing, painting, design, charcoal and colored pencil. Studies include landscape and still life, as well as expressive and personal work.

2<sup>nd</sup> semester: painting in watercolor, graphic design and pastel arts.

### **Art III (0556)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current art teacher approval
  - 'C' or higher in Art II
  - Department approval
    - ◆ Students must submit a portfolio for review by the Art III teacher.
- \$55 material donation is requested
- Graduation requirement: Fine Art
- UC/CSU A-G requirement: 'F' (Visual and Performing Arts)

Art III continues where Art II ends. The emphasis of the program is preparation for an advanced placement portfolio. While the curriculum offers more freedom to explore individual interests, the focus is on working from observation. Specifically integrated are the elements of art and the principles of design. A sketchbook and/or altered book is required with visits to museums, galleries, or art lectures as part of student study. Art history is used as a means of understanding styles, techniques, and major artists and their importance in the world.

1<sup>st</sup> Semester: Continued figure drawing, working from observation, still life, drawing on site, and composition throughout the semester are key. Charcoal, cut paper, ink, embossing, and paint are just a few of the mediums used.

2<sup>nd</sup> Semester: Emphasis is on graphics and acrylic painting, and working from observation.

### **Art IV (0558)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current art teacher approval
  - 'C' or higher in Art III
  - Department approval
    - ◆ Students must submit a portfolio for review by the Art IV teacher.
- \$60 material donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Visual and Performing Arts)

Art IV students accept a more self-directed challenge. Students follow the same assignments as the AP class without the pressure of the portfolio submittal.

### **AP Art History (0573)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current English teacher approval
  - AP Art History teacher approval
  - 'B' or higher in current English course
- Graduation requirement: Fine Arts
- \*UC/CSU A-G requirement: 'F' (Visual and Performing Arts)  
*\*Pending approval*

Advanced Placement Art History is designed to introduce students to painting, sculpture, and architecture that compose the history of Western art, as well as a brief overview of some of the key components of art beyond the European tradition.

The curriculum is aligned with the College Board course description and with the information in most college survey texts. In order to be successful in this course and on the AP Art History exam, students will need to demonstrate a high degree of commitment to academic work and possess academic skills that meet college standards. In order to chronologically cover art from the prehistoric times through the present day, the course is paced very quickly.

An interest in history is encouraged and no prior experience in studio art is required. All students will be expected to take the AP Art History exam in May and if a qualifying score is earned, college placement and/or credit may be awarded.

### **AP Studio Art & Drawing**

**Drawing (0569)**

**2-Design (0560)**

**3-Design (0561)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - Current art teacher approval
  - 'B' or higher in Art III
  - Breadth portfolio submission
- \$65 material donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Visual and Performing Arts)

Advanced Placement Art is a college level course in the visual arts. Students who successfully complete the requirements can request credit from the college or university they will attend. Credit may be awarded once the AP Portfolio has been submitted and reviewed by the AP College Board.

Portfolios are the top priority with 24-28 pieces completed by the submission date in May of each year. Emphasis is placed on direct observation, application of elements and principles, and the development of a body of work called "concentration," that is based on student choice. Commitment to 10 hours of work per week is understood. Mandatory summer assignments are due the first day of class in order to remain in the program.

### **Sculpture I (0564)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - None
- \$45 material donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Visual and Performing Arts)

Sculpture I is an introductory course that presents a variety of sculpture materials and methods. Projects range from ceramics, to paper mache constructions, to puppet and wire projects. The focus of the course is to support each student's artistic voice while teaching specific material handling techniques.

The goal of the class is primarily to instill in each student the confidence, desire, and material handling ability to express their beliefs, voice their understanding, and relate their ideals in sculptural materials.

### **Sculpture II (0567)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current sculpture teacher approval
  - Departmental approval
    - ◆ 'C' or higher in Sculpture I
- \$ 50 material donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Visual and Performing Arts)

Sculpture II is an advanced art course for students who would like to continue their artistic development. Students will be asked to build upon and refine skills learned in Sculpture I while developing new ways to express themselves. In addition to the creation of sculpture, students will develop writing and critical thinking skills through individual and class wide critiques. Students will develop drawing skills through the development of a sketchbook, and students will investigate art history through PowerPoint slide shows, readings, occasional DVD film clips & museum visits.

This course will begin with an in-depth sequence of ceramic lessons including but not limited to slump molding, hand buildings, and various decorative techniques. During the first semester, students will learn about single side mold making. Students will be introduced to stone carving, and they will begin to

develop a personal vocabulary of sculptural symbols to use as a basis for conceptual based projects that are introduced the second semester.

## **ENGLISH**

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### **English I (0107)**

- Year long course – 10 credits
- Grades eligible: 9 (normally), 10, 11, 12
- Prerequisites:
  - None
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

Students will carefully evaluate poetry, novels, plays, non-fiction, and short stories. Also, they will gain and utilize technology skills in conjunction with the curriculum. The focus of this course is building students' skills as critical thinkers, readers and writers. Ultimately, students will be provided with a foundation of English skills preparing them for further high school and post secondary studies. This course will prepare students for the CAHSEE.

### **English I – Advanced (0106)**

- Year long course – 10 credits
- Grades eligible: 9
- Prerequisites:
  - Current English teacher approval
  - 4 or 5 score on the current English CST
  - Grades: A or B in advanced English or an A in college prep English
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

The advanced strand is for students who like the extra challenge and/or who are interested in enrolling in Advanced English II during the 10<sup>th</sup> grade year. While covering the same coursework as the English I class, it will require additional coursework that is more rigorous and demanding. Students will be expected to perform a greater volume of work, move at a faster pace, and to engage in more analytical thinking.

### **English II (0122)**

#### **Literature/World Literature**

- Year long course – 10 credits
- Grades eligible: 10 (normally), 11, 12
- Prerequisites:
  - None
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

This course is designed to introduce students to world literature. The emphasis will be on classical literature and other texts that correspond to World History and Civilization curriculum in the Social Studies Department. An emphasis will be placed on expository writing, vocabulary building, grammar, and public

speaking. This course will continue to prepare students for the CAHSEE.

### **English II - Advanced (0121)**

#### **Literature/World Literature**

- Year long course – 10 credits
- Grades eligible: 10
- Prerequisites:
  - Departmental approval based on:
    - ◆ Grades: A or B in advanced English or an A in college prep English
    - ◆ 4 or 5 score on the current CST
    - ◆ Passing score on second quarter departmental benchmark writing assessment
    - ◆ Current teacher recommendation
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

This course is for students who would like the extra challenge and/or who are interested in enrolling in AP English Language and Composition during the 11<sup>th</sup> grade year. While covering the same curriculum as the English II class, it will require additional coursework that is more rigorous and demanding. Students will be expected to perform a greater volume of work, move at a faster pace, and to engage in more analytical thinking.

### **English III (0132)**

#### **United States Literature**

- Year long course – 10 credits
- Grades eligible: 11 (normally), 12
- Prerequisites:
  - None
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

This course is designed to introduce students to cultural and literary developments in United States from the pre-colonial period through the twentieth-century. This will involve the study of major developments in poetry, short stories, plays, and novels. Continued emphasis will be placed upon composition, vocabulary development, public speaking, and research skills. This course will begin to prepare students for the SAT.

### **AP English Language and Composition (0148)**

- Year long course – 10 credits
- Grades eligible: 11
- Prerequisites:
  - Departmental approval based on:
    - ◆ Grades: A or B in Adv. English II or an A in college prep English
    - ◆ 4 or 5 score on current CST
    - ◆ Passing score on second quarter departmental benchmark writing assessment
    - ◆ Current teacher recommendation
- Graduation requirement English
- UC/CSU A-G requirement: 'B' (English)

This course requires students to practice writing and revising prose that informs and persuades effectively, based on a study of classical and modern rhetorical principles. Students will read a wide variety of prose styles from many disciplines and historical periods to cultivate a strong understanding of audience and purpose. Students will read primary and secondary sources carefully, learn to synthesize material from these texts in their own compositions, and to cite sources using conventions recommended by professional organizations such as the Modern Language Association (MLA) and the University of Chicago Press (*The Chicago Manual of Style*). This course is designed to prepare students for the AP English Language and Composition exam and to provide a college level academic experience.

### **English IV (0142)**

#### **World Literature and Composition**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - None
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

Students will study socio-political themes in literature from British and multi-cultural sources, with an emphasis on the 20<sup>th</sup> century. There will be continued instruction in expository composition and public speaking, as well as further preparation for post-secondary education planning (SAT, personal statements, etc.). The students will complete a Senior Exit Project. This course will prepare students who intend to go on to a 2 or 4 year college.

### **AP English Literature and Composition (0147)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - Departmental approval based on:
    - ◆ Grades: A or B in AP English or an A in college prep English
    - ◆ 4 or 5 score on current CST
    - ◆ Passing score on second quarter departmental benchmark writing assessment
    - ◆ Current teacher recommendation
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

This course is intended for students who want to be challenged by literature and who plan to attend a four-year university. This course will include close reading and in-depth analysis of major world literature, both classical and modern. Emphasis is placed on analytical writing as well as participation in class discussions. Time will be spent preparing for college entrance requirements (SAT, personal statements, etc.) and the Advanced Placement test. Students who earn a passing grade on the Advanced Placement exam will be eligible for college credit

# ELD

## English Language Development

ELD classes are open to students classified as English Language Learners (ELL), as defined by the State Department of Education.

### **ELD I (0869/0857/0858)**

- Year long course – 30 credits (3 periods)
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current teacher recommendation
  - Departmental approval
    - ◆ Identified ELL; placement determined by CELDT and placement test
- Graduation requirement: English (10 credits) AND Elective (20 credits)
- UC/CSU A-G requirement: None

This class is open to non-English speaking students and to those with very limited English proficiency. The course begins with basic communication and language survival skills. It then progresses to focus on English, grammar, reading, and writing. Upon completion of this course, students should have a command of survival English language skills, the most important verb tenses, grammar basics and simple reading and writing ability.

### **ELD II (0853/0855/0854)**

- Year long course – 30 credits (3 periods)
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current teacher recommendation
  - Departmental approval
    - ◆ Identified ELL; placement determined by CELDT
- Graduation requirement: English (10 credits) AND Elective (20 credits)
- UC/CSU A-G requirement: None

This class is open to ELL students who have successfully completed ELD I and/or who have assessed to have intermediate proficiency as determined by the CELDT and/or other test. In this class, students will continue their study of English language communication skills. There is a focus on reading and writing as well as grammar and oral language development. Upon completion of this course, students will have command of spoken English as well as many of the skills they need to read and write.

### **ELD III (0861/0864)**

- Year long course – 20 credits (2 periods)
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current teacher recommendation
  - Departmental approval
    - ◆ Identified ELL, placement determined by CELDT

- Graduation requirement: English (10 credits) AND Elective (10 credits)
- UC/CSU systems will accept one year of ELD III toward the 'B' requirement (English)

This class continues to develop conversational and written English skills. It emphasizes vocabulary development and comprehension through reading and writing. Students will examine and produce many different types of written expressions. They will also study more advanced grammatical structures. Upon completion of this course, students should have many of the reading and writing skills they need to be successful in their mainstream classes.

### **ELD - Strategic Academic Support (0845)**

- Variable credit course – 5 per semester
- Grades eligible: 9
- Prerequisites:
  - Identified ELL
  - Placement determined by CST & CAHSEE scores and academic grades
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

This course is designed to support 9<sup>th</sup> grade English Learners in preparing for the CAHSEE (California High School Exit Exam) by providing them with explicit vocabulary instruction. Emphasis will be placed on high-incidence academic words that are vital to improving academic performance. Support will also be given to students for their content area courses and students will be guided in ways to improve study skills such as note taking and organization.

### **ELD – Advanced Strategic Academic Support (0884)**

- Variable credit course – 5 per semester
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CST & CAHSEE scores and academic grades
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

This course is designed to support 10- 12<sup>th</sup> grade English Learners in preparing for the CAHSEE (California High School Exit Exam) by providing them with explicit vocabulary instruction. Emphasis will be placed on high-incidence academic words that are vital to improving academic performance. Support will also be given to students for their content area courses and students will be guided in ways to improve study skills such as note taking and organization.

**The following SDAIE courses are available to students classified as English Language Learners (ELL), as defined by the State Department of Education.**

SDAIE stands for Specially-Designed Academic-Instruction in English. SDAIE classes are taught using special techniques and strategies designed to assist non-native English speakers in both language-acquisition and subject-matter without altering the content standards.

### **English I - SDAIE** (0108)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

Taught using SDAIE strategies, students will carefully evaluate poetry, novels, plays, non-fiction, and short stories. Also, they will gain and utilize technology skills in conjunction with the curriculum. The focus of this course is building students' skills as critical thinkers, readers and writers. Ultimately, students will be provided with a foundation of English skills preparing them for further high school and post secondary studies. This course will prepare students for the CAHSEE.

### **English II - SDAIE** (0126)

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
- Graduation requirement: English
- UC/CSU A-G requirement: 'B' (English)

Taught using SDAIE strategies, this course is designed to introduce students to world literature. The emphasis will be on classical literature and other texts that correspond to World History and Civilization curriculum in the Social Studies Department. An emphasis will be placed on expository writing, vocabulary building, grammar, and public speaking. This course will continue to prepare students for the CAHSEE.

### **Algebra Readiness - SDAIE** (0301)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
- Graduation requirement: Math
- UC/CSU A-G requirement: None

Taught using SDAIE strategies, this year-long course is designed to prepare students for their first year of Algebra. Areas of emphasis will include a review of the fundamental operations of arithmetic and basic concepts of rational numbers in both fractional and decimal form. In addition, students will learn to solve first-degree

equations, perform operations on polynomials, graph first-degree equations, and apply these skills to problem solving.

### **Algebra I - SDAIE** (0324)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
  - Current math teacher approval
  - 'C-' or higher in Algebra Readiness
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

Taught using SDAIE strategies, this course emphasizes algebraic language, structure, concepts and skills. Major topics include algebraic properties and the real number system, functions and their graphs, linear equations and inequalities, systems of linear equations and inequalities, polynomials and factoring, quadratic functions, and rational expressions and equations.

### **Geometry - SDAIE** (0334)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
  - Current math teacher approval
  - 'C-' or higher in Algebra I.
- Graduation requirement: Math
- UC/CSU A-G requirement 'C' (Mathematics)

Taught using SDAIE strategies, this is a primary course in plane Euclidian geometry. The purpose is to develop geometric skills and concepts and the ability to construct formal logical arguments and proofs in a geometric setting. Topics include reasoning and proof, perpendicular and parallel lines, congruent and similar triangles, properties of quadrilaterals, area of polygons and circles, volume and surface area of space figures, transformations, right triangles and trigonometry. Time will be spent showing the connections between algebra and geometry. The students will work with constructions and geometrical software to help them develop geometric intuition.

### **Earth Science – SDAIE** (0426)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
  - At least concurrent enrollment in Algebra I
- Graduation requirement: Physical Science
- UC/CSU A-G requirement: 'G' (College prep elective)

Taught using SDAIE strategies, this course is designed primarily for freshmen and sophomore students who wish to take a science course and improve their science skills in preparation for more advanced science coursework. This course is also appropriate for older students who need to complete their graduation requirement for **Physical Science** credit. This course includes topics in Astronomy, Cosmology, Geology, Paleontology, Natural Resources, Oceanography, Meteorology and Climate. Upon successful completion of this course, students will gain a deeper understanding and appreciation of the physical world in which they live.

Students will participate in laboratory experiments and activities in which they ask questions, develop hypotheses, collect data and draw conclusions. They will also construct and analyze models of natural phenomena. Other activities include learning how to take notes from lectures, keeping a notebook and participation in class discussions.

### **Biology - SDAIE** (0431)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
  - 'C-' or better in Earth Science
  - At least concurrent enrollment in Geometry
- Graduation requirement: Life Science
- UC/CSU A-G requirement: 'D' (Laboratory Science)

Taught using SDAIE strategies, Biology - SDAIE employs an 'inquiry approach' to learning. Students are expected to seek answers by hypothesizing, experimenting, collecting data, drawing conclusions, and suggesting further questions. Other activities require attendance in lectures, keeping a notebook participation in discussion and labs.

Some of the topics we will study are: history of biology, methods of biology, basic cell structures and functions, plant and animal physiology and anatomy, evolution, genetics/biotechnology, classifications of organisms and the relationship of an organism to its environment.

### **Freshman Social Studies– SDAIE** (0205) **State Requirements and World Studies** **Freshman State Requirements**

- One semester course – 5 credits
- Grades eligible: 9 (normally), 10, 11, 12
  - Prerequisites:
    - Identified ELL
    - Placement determined by CELDT or other standardized exam
  - Graduation requirement: 1 semester of Freshman Social Studies
  - UC/CSU A-G requirement: None

In this first semester orientation course of Freshman Social Studies taught using SDAIE

strategies, students will develop academic skills needed throughout high school and beyond, including organization, note taking, homework habits, test-taking skills, and reflective and academic writing techniques. The course also will emphasize computer research and presentation skills. Students will receive state-mandated instruction in the following areas: Alcohol, Tobacco and Drug Abuse Prevention and Human Sexuality. In addition students will explore the topics of bullying (including cyber-bullying), violence prevention, diversity and tolerance. Media Literacy techniques will be used to analyze and present work on these issues. Driver Education (written only) will take place at the end of the semester. However, students may only get their Provisional Permit after they turn 15 ½ years old, have completed and passed this section of the class and register to take Driver Training (not offered at HMBHS). This course fulfills one semester of the two semester graduation requirements for 9<sup>th</sup> grade Social Studies.

### **World Studies**

- One semester course – 5 credits
- Grades eligible: 9 (normally), 10, 11, 12
  - Prerequisites:
    - Identified ELL
    - Placement determined by CELDT or other standardized exam
  - Graduation requirement: 1 semester of Freshman Social Studies
  - UC/CSU A-G requirement: 'A' (History) One semester

In this second semester of Freshman Social Studies taught using SDAIE strategies, World Studies continues the development of the academic and computer research and presentation skills begun in the first. This course is designed to provide a foundation in the fundamentals needed for success in 10<sup>th</sup> grade Modern World History, and is aligned to Grade 10 Content Standards. The course integrates the study of world geography and history beginning with Classical Europe, with an emphasis on democracy and the rule of law, and their connection to the development of the US constitution. Geographic regions covered also include Africa, Asia and the Middle East, concentrating on imperialism, the rise of new nations, and modern conflicts and issues. This course fulfills one semester of the two semester graduation requirements for 9<sup>th</sup> grade Social Studies.

### **World History - SDAIE** (0211)

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
- Graduation requirement: World History
- UC/CSU A-G requirement: 'A' (History)

Taught using SDAIE strategies, World History - SDAIE is a required one-year course that examines the rise of democratic ideals in western civilization and then surveys the major trends and turning points in 19<sup>th</sup> and 20<sup>th</sup> century world history. Major units in the course include: the Enlightenment, Nationalism, Imperialism, the Industrial Revolution, World War I, World War II and the Cold War. Students will further develop their academic abilities including the following: good study habits, research and writing skills, and the ability to make connections between ideas and actions.

**United States History - SDAIE (0222)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
- Graduation requirement: U.S. History
- UC/CSU A-G requirement: ‘A’ (History)

Taught using SDAIE strategies, United States History - SDAIE is a required one-year course that begins with a brief review of early American history and proceeds to the post-Civil War era and the 20<sup>th</sup> century. Major units will address: the frontier and western settlement, immigration and industrialization, the Progressive Era, Imperialism and WWI, the 1920’s and the Great Depression, World War II, the Cold War, the civil rights movement, and social change in the post-Vietnam War era. Students are expected to produce clear and effective writing in a variety of forms, facility with project presentations, and demonstrate research skills, including reading comprehension, communication, and listening skills.

**American Government/Economics – SDAIE (0231)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - Identified ELL
  - Placement determined by CELDT or other standardized exam
- Graduation requirement: American Gov/Econ
- UC/CSU A-G requirement: ‘A’ (History), for one semester and ‘G’ (College prep elective) for one semester

Taught using SDAIE strategies, one semester will focus on the basic structure of and operation of our federal government, as well as an awareness of contemporary issues as they develop. The other semester deals with economics and will explore the following areas: 1) an understanding of the role of the economist, 2) an understanding of the structure and function of the American economic system, and 3) an appreciation of how economic principles apply to individuals in a society. This course may include additional economics

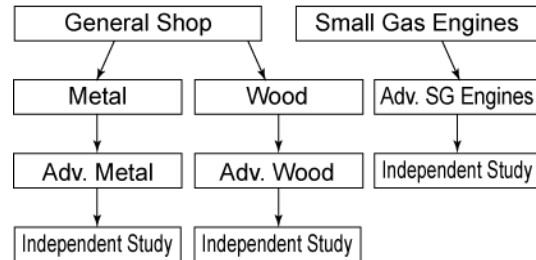
curricula approved by the Social Studies Department. Community Service Learning has been included in the curriculum. An alternative assignment will be given to any student who desires this instead of service. *For more info about Community Service, please see pg 33.*

# INDUSTRIAL ARTS

Industrial Arts is a part of general education, and, as such, the program has been organized with the entire student body in mind. The curriculum is designed to help all students by providing them with a varied background in the use of tools, machines, and materials in the five areas of woodworking, metalworking, small gas engines, technical drawing, and welding. These courses are comprehensive and provide a pre-vocational background for those students who are considering entering the trades or related fields.

1. Students who have taken Adv. Woodworking and Metalworking may take it again for credit or they may take independent study.
2. Independent study classes must have instructors’ approval.

**Industrial Arts Classes**



**General Shop (0652)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - None
- \$40 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

In this course, students are introduced to three areas of industrial arts: technical drawing (9-12 weeks), basic woodworking (9-12 weeks), and basic metalworking (9-12 weeks). The drawing section teaches the proper methods of dimensioning and requires making three-view drawings. Woodworking emphasizes the proper use of hand tools and some of the basic machine operations. The metalworking segment teaches the student basic hand tool and machine operations.

**Small Gas Engines (0656)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:

- None
- \$40 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

This course is designed to study the fundamental principles and theory of operation of small gas engines (4 cycle, 2 cycle, and rotary) and alternate sources of power. Special emphasis will be given to lubrication, fuel, carburetion, and exhaust systems. Practical experience in disassembly, rebuilding, testing, troubleshooting, maintenance, and ordering of parts will constitute a major part of the program. A unit of alternate power sources, present and future, will be given along with these practical experiences.

### **Advanced Small Gas Engines (0657)**

- Year long course – 10 credits
  - May be taken 3 times for repeat credit
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current industrial arts teacher approval
  - 'C-' or higher in Small Gas Engines
- \$40 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None
- Students eligible to receive credit for the Skyline College Automotive program

Advanced Small Gas Engines is an opportunity for students to apply the knowledge and expertise gained in other industrial arts classes toward the solution of practical problems which closely reflect everyday life experiences. The format for this course will be equivalent to that of a small business engaged in general repair and maintenance in the areas of small gas engines and metalworking (welding). Students will develop marketable skills equivalent to on-the-job training. Upon the completion of this course, students will have a basic understanding in activities related to running a small business: advertising, record keeping, customer relations, estimating, ordering and stocking parts and materials and general hands on experience. In addition, students who complete a task sheet and receive a grade of a 'B' or higher in this course will earn 4.5 units of college credit toward the Skyline College Automotive Program. The credit will be given upon the completion of 6 additional units from Skyline College, College of San Mateo, or Canada College.

### **Beginning Woodworking (0660)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - General Shop advised
- \$45 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

This course is divided into nine week segments which may overlap. The first nine weeks are very structured;

students learn safety procedures for all of the equipment and are given instruction in all the basic operations that can be performed on the woodworking machinery and on the power tools. During this segment students must work on required projects that are designed to bring them into contact with specific operations, experiences, and problems.

The course content for the remainder of the year is determined by the individual student in conference with the teacher. It is mandatory for students to make a contract with the teacher every nine weeks and commit themselves to the completion of projects.

### **Advanced Woodworking (0663)**

- Year long course – 10 credits
  - May be taken twice for repeat credit
- Grades eligible: 11, 12
- Prerequisites:
  - Current industrial arts teacher approval
  - 'C-' or higher in Beginning Woodworking
- \$45 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

This class is an opportunity for students to apply the knowledge and expertise gained in other industrial arts classes toward the solution of practical problems which closely reflect everyday life experiences. The format for this course will be the equivalent of a company that produces guitars for profit. Students will develop marketable skills equivalent to on-the-job training.

Advanced Woodworking is a course that is designed to give students a new perspective on woodworking. In this course students are introduced the art of acoustic guitar making. Woodworking skills will be required to complete the building of a guitar from a kit. Equipment safety will be emphasized while learning the use of each piece of equipment. Structural principles, material characteristics, physics and geometry along with Historical and aesthetic precedents will be covered. In the first half of this class students will be required to finish a selection of guitar related projects. During the second half of this class students will be required to finish a completed guitar in order to receive a grade. This class will be divided into nine week segments which may overlap.

### **Beginning Metalworking (0658)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - General Shop advised
- \$40 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

Beginning Metalworking is a course that is divided into nine-week segments that may or may not overlap. The first nine weeks are very structured. Students learn the

safety for all the equipment and hand tools. Next, instruction is given on the basic operations that can be performed on the metalworking machinery and power tools. The emphasis then switches to welding. For the rest of the nine-week period, and usually well into the second nine weeks, students learn the basics of arc and gas welding. For the rest of the semester, students must work on required projects that are designed to bring them into contact with specific operations, problems, and experiences.

The individual student, in conjunction with the teacher, determines the course for the second semester. It is mandatory that the students commit to explore areas of personal interest and challenge their skill level. By the end of the year, students will have a basic understanding of gas welding, arc welding, forging, sheet metal, wrought iron and bench work.

**Advanced Metalworking (0664)**

- Year long course – 10 credits
  - May be taken twice for repeat credit
- Grades eligible: 11, 12
- Prerequisites:
  - Current industrial arts teacher approval
  - 'C-' or higher in Beginning Metalworking
- \$40 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

This course is also divided into nine week segments that may or may not overlap. The course content for each nine week period is determined by the individual student in conjunction with the teacher. It is mandatory for students to make a contract every nine weeks in which they commit themselves to explore and study certain areas of personal preference. There are no required projects; however, students are expected to design and construct challenging projects which will tax their abilities and require that they use a variety of machine operations. It is also expected that these projects will involve a more diverse application of the materials used in the shop and will provide an opportunity for advanced problem solving through the use of technical and mechanical knowledge gained in previous classes.

**Independent Study Industrial Arts (0666)**

- Year long course - 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Departmental approval
    - ◆ Industrial Arts teacher approval
  - 'B' or higher in an Adv. Industrial Arts course.
- \$45 material donation is requested
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

Independent Study is a course that students take to further their shop experience. Student should be able to work independently with occasional instructor input and advice. There are no required projects for students to

complete. Projects will be approved by the instructor and should be challenging for students. In addition students will be required to finish all projects started to get a passing grade.

# MATHEMATICS

Parents and students should understand the purpose of each offering in mathematics and choose a course according to ability, needs, and future plans. CSTs and grades in previous classes will be used to help determine placement.

To obtain maximum benefits from the high school program, the high school counselors in conjunction with the current math teacher, will help parents and students interpret test scores and will recommend proper placement of students. **Math courses taken in Aventa cannot be used for entrance into any advanced level math courses (Pre Calculus/AP Statistics and above.)**

Please refer to the following chart for Half Moon Bay High School's Mathematics Curricular Pathways. Referring to this chart will be helpful in integrating math courses and requirements into your four-year plan.

**HMBHS Mathematics Curricular Pathways**

	<i>Freshmen</i>	<i>Sophomores</i>	<i>Juniors</i>	<i>Seniors</i>
1	Algebra 1	(Advanced) Geometry	(Advanced) Algebra II	(Advanced) Pre-calculus and/or AP Statistics, or College Prep Math
2	(Advanced) Geometry	(Advanced) Algebra II	(Advanced) Pre-calculus and/or AP Statistics	AP Calculus AB and/or AP Statistics
3	(Advanced) Algebra II *Geometry completed in 8 <sup>th</sup> grade	(Advanced) Pre-calculus and/or AP Statistics	AP Calculus AB and/or AP Statistics	AP Calculus BC and/or AP Statistics
4	Algebra Readiness	Algebra 1	Geometry	Algebra 2

Half Moon Bay High School's current graduation requirement is three years of mathematics; however, we recommend that you take four years of math.

**Algebra Readiness (0310)**

- Year long course – 10 credits
- Grades eligible: 9
- Prerequisites:
  - Qualifying score on Algebra Readiness Placement Test
  - CST General Math score of 1 or 2
- Graduation requirement: Math
- UC/CSU A-G requirement: None

This year-long course is designed to prepare students for their first year of Algebra. Areas of emphasis will include a review of the fundamental operations of arithmetic and basic concepts of rational numbers in both fractional and decimal form. In addition, students will learn to solve first-degree equations, perform operations on polynomials, graph first-degree equations, and apply these skills to problem solving.

### **Algebra I** (0320)

- Year long course – 10 credits
- Grades eligible: 9, 10
- Prerequisites:
  - Current math teacher approval
  - 'C-' or higher in Algebra Readiness
  - Qualifying score on Algebra Placement Test
  - CST General Math score of 3 or higher
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

This course emphasizes algebraic language, structure, concepts and skills. Major topics include algebraic properties and the real number system, functions and their graphs, linear equations and inequalities, systems of linear equations and inequalities, polynomials and factoring, quadratic functions, and rational expressions and equations.

### **Geometry** (0330)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current math teacher approval
  - 'C-' or higher in Algebra I.
  - CST Algebra I score of 3 or higher
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

This is a primary course in plane Euclidian geometry. The purpose is to develop geometric skills and concepts and the ability to construct formal logical arguments and proofs in a geometric setting. Topics include reasoning and proof, perpendicular and parallel lines, congruent and similar triangles, properties of quadrilaterals, area of polygons and circles, volume and surface area of space figures, transformations, right triangles and trigonometry. Time will be spent showing the connections between algebra and geometry. The students will work with constructions and geometrical software to help them develop geometric intuition.

### **Advanced Geometry** (0335)

- Year long course – 10 credits
- Grades eligible: 9, 10
- Prerequisites:
  - Current math teacher approval
  - Departmental approval
    - ◆ 'A' in Algebra I
  - CST Algebra I score of 4 or 5
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

Students develop logical reasoning skills and creative problem solving skills while discovering the fundamental concepts of Euclidean Geometry using technology and hands-on investigation. In addition to the topics listed in Geometry (0330), students will explore tessellations and non-Euclidean geometry.

### **Algebra II** (0340)

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current math teacher approval
  - 'C-' or higher in Geometry
  - CST Geometry score of 3 or higher
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

This course expands on the mathematical content of Algebra I and Geometry. Many new concepts and techniques are introduced that will be basic to more advanced math courses. Topics include: absolute value, complex numbers, quadratic, polynomial and rational expressions and functions, exponential and logarithmic functions, arithmetic and geometric sequences and series, and probability and statistics. A TI-83/84 plus graphing calculator will be used in the class.

### **Advanced Algebra II** (0345)

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current math teacher approval
  - CST Algebra I score of 4 or 5
  - 'C-' or higher in (Adv) Geometry
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

This course continues the students' study of advanced algebraic concepts including functions, polynomials, rational expressions, systems of functions and inequalities, matrices. Major topics include absolute value, complex numbers, quadratic expressions and functions, arithmetic and geometric series and sequences, and probability and statistics. Students will also be introduced to conic sections and various trigonometry topics including the unit circle. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Emphasis is placed on practical applications and modeling. Appropriate technology, from graphing calculators to application software, will be used regularly for instruction and assessment. A TI-83/84 plus graphing calculator will be used in the class.

### **Pre-Calculus** (0359)

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current math teacher approval

- 'C' or higher in Algebra II (not Aventa)
- CST Algebra II score of 3 or higher
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

This course prepares students for further study in mathematics and science. The students will develop a better understanding of mathematics as well as a solid foundation for calculus. The emphasis of this course is on the development and understanding of functions, trigonometry, parametric equations, polar coordinates, matrices, sequences and series, binomial theorem, mathematical induction and statistics.

### **Advanced Pre-Calculus (0363)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current math teacher approval
  - 'C' or higher in (Adv)Algebra II (Not Aventa)
  - CST Algebra II score of 4 or 5
- Graduation requirement: Math
- \*UC/CSU A-G requirement: 'C' (Mathematics)  
*\*Pending approval*

Advanced Pre-calculus is a course that prepares students for further study in mathematics and science. The students will develop a better understanding of mathematics as well as a solid foundation for calculus. The emphasis of this course is on the development and understanding of functions, trigonometry, parametric equations, polar coordinates, matrices, sequences and series, binomial theorem, mathematical induction, and statistics. A TI 83/84 plus graphing calculator will be used in the class.

### **College Prep Math (0350)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - Current math teacher approval
  - Completed Algebra II (Aventa OK)
  - CST Algebra II score of 3 or higher
- Graduation requirement: Math
- \*UC/CSU A-G requirement: 'C' (Mathematics)  
*\*Pending approval*

College Prep Math is designed to prepare you for Pre-Calculus and for success in taking college mathematics entrance exams. We will cover topics from Algebra 1, Geometry, Algebra 2, and many other topics from Mathematics. We will also review the entire blueprint for the Cal State University *Entry Level Math Test*. The course will feature the administration of the College of San Mateo Math Entrance Exam, which will count towards admission (should you choose to go there). A TI-83/84 Plus graphing calculator will be used in the class.

### **AP Statistics (0362)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12

- Prerequisites:
  - Current math teacher approval
  - 'C' or higher in Algebra II (Not Aventa)
  - CST Algebra II score of 3 or higher
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

Advanced Placement Statistics is a one year course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) Exploring Data: describing patterns and departures from patterns. (2) Sampling and Experimentation: planning and conducting a study. (3) Anticipating Patterns: exploring random phenomena using probability and simulation. (4) Statistical Inference: estimating population parameters and testing hypotheses. This course covers the material usually found in an introductory college level statistics course. At the end of the courses students are highly encouraged to take the Advanced Placement exam in statistics.

### **AP Calculus AB (0360)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current math teacher approval
  - 'C' or higher in Pre-Calculus
  - CST Summative Math score of 3 or higher
- Graduation requirement: Math
- UC/CSU A-G requirement: 'C' (Mathematics)

AP Calculus parallels a college level course and includes the following topics: (1) elementary functions, limits, and continuity; (2) differentiation of algebraic and transcendental functions; (3) applications to motion, natural growth, graphing, extreme, and related rates; (4) the definite integral, fundamental theorem of calculus and techniques of integration; (5) applications to area, volume, and arc length; and (6) sequences, series, and elementary differential equations. College credit is available upon passing scores on the advanced placement test.

### **AP Calculus BC (0364)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - Current math teacher approval
  - Completion of AP Calculus AB
  - Score of 4 or 5 on the AP Calculus AB exam
- Graduation requirement: Math
- \*UC/CSU A-G requirement 'C' (Mathematics)  
*\*Pending approval*

AP Calculus BC will continue to explore concepts involving limits and continuity, derivatives, application of the derivative, integration and antidifferentiation. New topics that will be explored will be different techniques of antidifferentiation and applications of the definite integral. The course will explore infinite series

defined as the limit of a sequence of partial sums, tests for convergence and Power series. Each topic will be presented numerically, geometrically, symbolically and verbally as students learn to communicate the connections among these representations. A TI-83/84 graphing calculator will be used in this course.

## MUSIC

### **Instrumental Music I (0583)**

#### **Concert Band**

- Year Long Course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - None
- \$50 material/maintenance donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Fine Arts)

Concert Band is open to all students with some instrumental proficiency. All incoming freshmen will be placed in Concert Band if band is selected at time of registration. History and elements of music and style will be discussed during rehearsals as appropriate. The Concert Band performances include festivals, public concerts, and assemblies. Concert Band may be repeated for credit.

### **Instrumental Music (0579)**

#### **Wind Ensemble/Marching Band**

- Year Long Course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Must pass audition
- \$300 material/maintenance donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Fine Arts)

Participation in all performances (including those on weekends); marching is mandatory. Participation in August band camp is required. The Cougar Marching Band/Wind Ensemble is open to advanced-level instrumentalists by audition. All students are expected to march. History and elements of music and style will be discussed during rehearsals as appropriate. Cougar Marching Band/Wind Ensemble performances include football games halftime shows, competition parades and festivals, public concerts, and assemblies. Instrumental Music may be repeated for credit.

### **Jazz Ensemble (0577)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current music teacher approval
  - Department approval
    - ◆ Audition required

- ◆ Concurrent enrollment in another music course is advised.
- \$150 material/maintenance donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Fine Arts)

Participation in performances is required. History and elements of jazz music will be discussed during rehearsals as appropriate. The jazz band performances include public concerts, festivals, and assemblies. Jazz band may be repeated for credit.

### **Chorus (0580)**

- Year long course – 10 credits
- Grades eligible: 9, 10
- Prerequisites:
  - None
- \$50 material/maintenance donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Fine Arts)

Participation in performances is required. Chorus is for all students who wish to study music by singing. Students will learn to read music and rhythms while developing vocal technique. A wide variety of musical styles and forms will be studied. The Concert Choir performances include public concerts, festivals, and assemblies. Pianists are encouraged to enroll as accompanists. Chorus may be repeated for credit.

### **Chorale (0582)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Audition and teacher signature required – Auditions in Room F5 at lunch 1/16 & 1/17
- \$150 material/maintenance donation is requested
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'F' (Fine Arts)

Participation in performances is required. Students will be exposed to more advanced vocal techniques. A wide variety of musical styles and forms will be studied. The chorale performances include public concerts, festivals, and assemblies. Pianists are encouraged to enroll as accompanists. Chorale may be repeated for credit.

### **Music Appreciation (0578)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Music teacher approval
- \$50 donation for materials is requested.
- Graduation requirement: Fine Arts
- \*UC/CSU A-G requirement: 'F' (Fine Arts)  
*\*Pending approval*

This course is for all students interested in learning about various types and styles of music. They will be able to develop awareness and understanding of

styles, idioms, performance media and the purpose of music and its history as part of our multi cultural heritage. Students must attend at least one musical concert each grading quarter and submit a program as well as a written review/essay as proof of attendance. There will be written and aural exams.

## PHYSICAL EDUCATION

All Freshmen and Sophomores are **REQUIRED** to be enrolled in one of the following P.E. classes (unless medically excused).

### All Core P.E. Classes

#### Proper Gym Attire

Proper gym attire is required of every student; it includes a change of clothing for health, supervision and safety reasons. Proper attire consists of:

- Gym shorts: black or gray
- Gym T- shirt: All students in Core 1-2 and Core 3-4 have the following uniform options: A HMB Physical Education regulation T-Shirt, which can be purchased at registration/schedule pick-up, in August, **OR** a blank, solid orange T-Shirt (free from prints, stripes, brands, logos other than HMBHS, etc.).

- Tennis/athletic shoes

- Sweat clothes are optional

\*Black, white, or gray hoods are acceptable if plain on front and back.

\*Anything with HMBHS Cougars or team sweatshirts also acceptable (in school colors).

#### Lockers

Lockers will be assigned in the P.E. class. Student may buy a lock from P.E. teacher for \$5, or bring own dial combo lock. No key locks.

### Core P.E. Program

**Core 1-2: Grade 9 (0813)**

**Core 3-4: Grade 10 (0814)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Must have a passing grade (D- or better) in Core 1-2 to advance to Core 3-4
- Graduation requirement: Physical Education
- UC/CSU A-G requirement: None

The P.E. Core Program is a **mandatory two-year program** in which students are introduced to various sports and activities with emphasis placed on skills, fitness, techniques, and fundamentals. Students must pass the both Core P.E. classes before graduation is possible. Safety and care of athletic equipment are also stressed. Semester physical performance tests are administered. In addition to the above, students will also show competency in the activity through written and verbal and physical assessment. Activities include but not limited to: softball, basketball, touch football,

weight training, tennis, volleyball, field hockey, wrestling, swimming, aerobics, running and badminton and other non competitive individualized activities.

### Core P.E. – Zero Period

(“Early Bird” P.E.)

**Core 1-2: Grade 9 (0811)**

**Core 3-4: Grade 10 (0812)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Must have a passing grade (D- or better) in Core 1-2 to advance to Core 3-4
  - Students are responsible for transportation.
  - Students must make a 2-semester commitment to regular and punctual attendance
  - Students must be enrolled in 6 additional classes
- Graduation requirement: Physical Education
- UC/CSU A-G requirement: None

Class begins at 6:40 am. This class allows students to build an additional course into their daily schedules. Attendance is crucial, as there is limited opportunity for make-ups.

**Please Note:** Space in this class can be **extremely limited**.

### Elective P.E. “Athletic”

**(0803)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Average semester grade of ‘B’ or higher in Core P.E.
  - ◆ Must successfully pass Core P.E. 1-2 and Core P.E. 3-4
  - Signature of approval by course instructor
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

The PE elective program, “Athletic Focus”, will consist of resistance training, core development, upper/lower body plyometrics and cardiovascular conditioning. This program is geared to the next level of physical education after the core PE program, focusing on strength, power, speed, explosion, flexibility and agility. Competitive activities include: volleyball, flashball, dodgeball, badminton, basketball and softball.

### Independent Study P.E.

**(0815)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - ‘B’ or higher in Core 1-2.
  - Score of 82 or higher in Final Physical Fitness Test.
  - Department Head signature required
  - Must complete application packet and meet criteria for IS PE –Administrative Regulation No. 6158.1
    - Application must be completed and submitted with your course request form.

- Administrative approval required
- Graduation requirement: Physical Education
- UC/CSU A-G requirement: None

To be eligible to enroll in **IS P.E. Type A**, several criteria must be met including ongoing participation in a competitive activity for at least three years, a certified instructor, and at least 400 minutes of activity per 10 school days. Students may meet these requirements through an off-campus activity.

**IS P.E. Type B “Athletic PE”** requires successful completion of three high school offered, CIF-CCS sanctioned, sports. 10 credits are earned at the completion of the third season on a pass/fail basis. There is no partial, or by semester, credit granted. Please contact the HMBHS Athletic Director or your counselor for further information.

Participation in the yearbook demands responsibility, talent, time, the ability to work well with others, organizational skills, and the ability to meet deadlines. Many students focus on one major facet of production such as photography, layout and design, writing and reporting, or computer design. Computer experience is very helpful, as the layouts and designs will all be done on the computer. The instructor considers a limited selection of students.

## PUBLICATIONS

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### **Publications: Journalism & Literary Journal (0190)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - ‘B’ or higher in English or History
- Graduation requirement: Elective
- \*UC/CSU A-G requirement: ‘G’ (Elective)
- \**Pending approval*

Students will learn and practice writing skills and desktop publishing skills as they produce either the monthly school newspaper or the annual school literary journal. Students working on the newspaper will learn the fundamentals of journalism (researching and writing news and feature stories, layout, advertising, etc.). Students working on the literary journal will improve their creative writing skills while also learning the business aspects of producing a journal (layout, advertising, fundraising, etc.).

### **Yearbook (0182)**

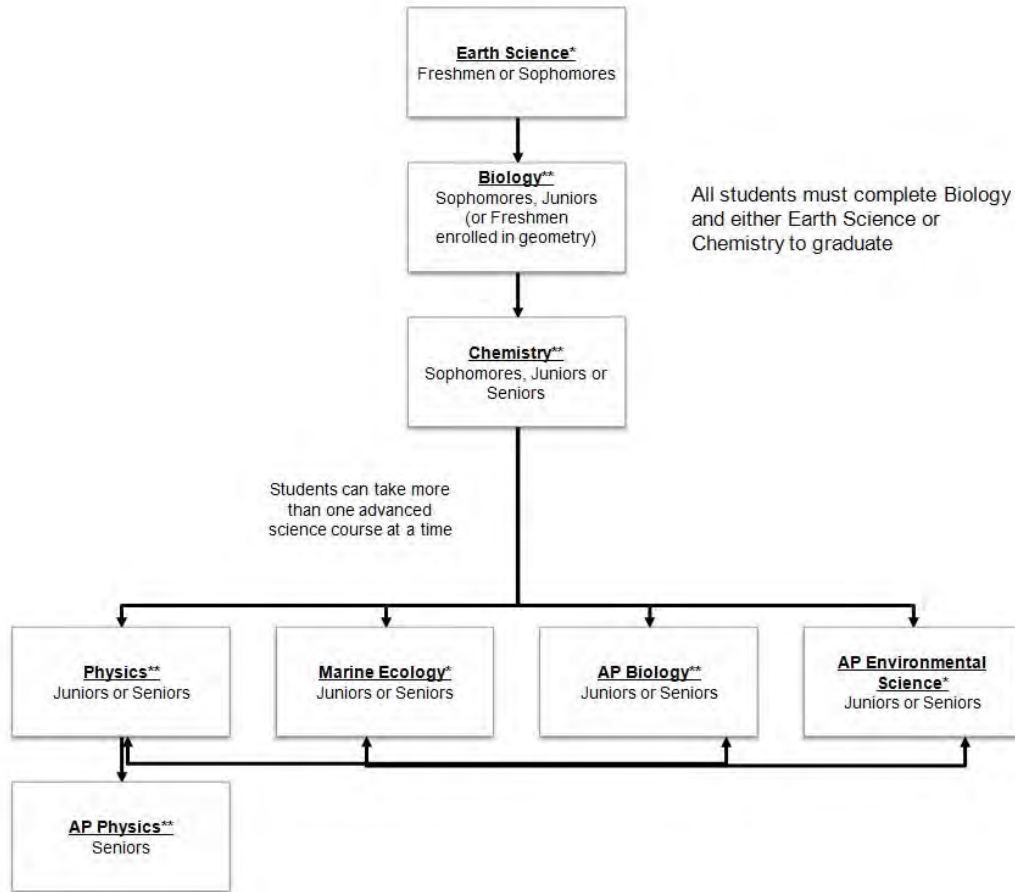
- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Yearbook teacher approval
  - ‘B’ or higher in English
  - Application required
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

Students produce, design, layout, write, organize, illustrate, and photograph a 208 page memories of over 1000 students and staff in a creative and individual fashion. It represents as many types of people and activities as possible and makes people feel good about each other.

# SCIENCE

This chart will be helpful in integrating science courses and requirements into your four-year plan.

## Half Moon Bay High School Science Curricular Pathways



**\*\*D Level Courses** = Courses that fulfill the UC and CSU college admission requirements for a Laboratory Science course.

**\*G Level Courses** = Courses that fulfill the UC and CSU college admission requirements for a college prep Elective course.

**For other courses meeting science graduation requirements see "Agriculture" on page 8.**

### Earth Science (0425)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - At least concurrent enrollment in Algebra I
- Graduation requirement: Physical Science
- UC/CSU A-G requirement: 'G' (Elective)

This course is designed primarily for freshmen and sophomore students who wish to take a science course and improve their science skills in preparation for more advanced science coursework. This course is also appropriate for older students who need to complete their graduation requirement for Physical Science credit. This course includes topics in Astronomy, Cosmology, Geology, Paleontology, Natural Resources, Oceanography, Meteorology and Climate. Upon

successful completion of this course, students will gain a deeper understanding and appreciation of the physical world in which they live.

Students will participate in laboratory experiments and activities in which they ask questions, develop hypotheses, collect data and draw conclusions. They will also construct and analyze models of natural phenomena. Other activities include learning how to take notes from lectures, sketching, keeping a notebook and participating in class discussions.

### Biology (0430)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - For freshman: concurrent enrollment in

Geometry,

- All others: C- or better in Earth Science.
- Score of 3 or better on Earth Science CST exam.
- Graduation requirement: Life Science
- UC/CSU A-G requirement: 'D' (Laboratory Science)

This course is an introduction to the study of living things. Topics will include: the history and methods of biology, biochemistry, cell structures and functions, evolution, animal and plant physiology, animal nerves and immune systems, genetics and biotechnology, classifications of organisms, and the relationship between organisms and their environments.

Biology employs an inquiry approach to learning which emphasizes lab work to build on knowledge gained from lectures and reading. Students are expected to seek answers by hypothesizing, experimenting, collecting data, drawing conclusions, and suggesting further questions. Students will participate in discussion and laboratory experiments and will keep a laboratory, lecture, and reading notebook.

### **Chemistry** (0440)

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current science teacher approval
  - 'C-' or better in Biology.
  - At least concurrent enrollment in Algebra II
  - Score of 3 or better on Biology or Earth Science CST exam.
- Graduation requirement: Physical Science
- UC/CSU A-G requirement: 'D' (Laboratory Science)

Chemistry is fast becoming the foundation for the student's first year science course at the college level and for career entry into the medical or technical fields. A mathematical brush-up is followed by a rigorous exposure to the fundamental concepts and principles of Chemistry. Laboratory experiences are central to the Chemistry course.

### **Physics** (0450)

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current science teacher approval
  - At least concurrent enrollment in Algebra II
  - Score of 3 or better on Biology or Chemistry CST exam.
- Graduation requirement: Physical Science
- UC/CSU A-G requirement: 'D' (Laboratory Science)

Physics is a mathematical approach to the study of matter and energy. The first semester deals with the mechanics of motion, forces, and gravity. The second semester will concentrate on energy; waves of sound and light, electricity and magnetism. Students should be prepared to work with a calculator and the fundamentals of graphing. Algebra and trigonometry are used in

physics problem solving.

### **Marine Ecology** (0412)

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Current science teacher approval
  - 'C-' or higher in Biology and Chemistry
  - Score of 3 or better on the Biology or Chemistry CST exam
  - Priority given to seniors, based on science grades
- Graduation requirement: Life Science
- UC/CSU A-G requirement: 'G' (Elective)

This course is an in-depth look at marine organisms as well as the physical, chemical, and geological characteristics of the earth's oceans. Students will gain an understanding of the principles of marine ecology as well as the problems affecting marine ecosystems. Special emphasis will be placed on the local rocky intertidal, kelp forest, estuary, and sandy shore communities. Students will gain a strong background in the biology and natural history of marine invertebrates, fish, birds, mammals, and algae. This course will involve lectures, reading, discussion, field studies, laboratory experiments, and written work. Laboratory and field studies will emphasize experimentation, data collection and analysis that develop critical thinking and communication skills. Students will be expected to use knowledge gained in this course to lead groups of school children at the tide pools. This course will be offered during first period but zero period field trips will be required up to one day per week. An alternate schedule will be determined by instructor. This field work is an integral part of the course and cannot be replaced by in-class activities. Students will also participate in several full-day field trips each semester.

### **AP Environmental Science** (0438)

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Grades of 'C-' or higher in Biology and Chemistry
  - Current science teacher approval
  - Score of 4 or better on Biology or Chemistry CST exam
- Graduation requirement: Life Science
- \* UC/CSU A-G requirement 'G' (Elective)  
*\*Pending approval*

Students taking this course gain a foundation in the principles, concepts, and methodologies required to understand the interrelationships of the natural world and to analyze, prevent, and resolve the environmental problems. This is an interdisciplinary course which embraces a wide variety of topics from different areas of study. Students learn about the structure and function of natural ecosystems, human impacts on natural and manmade systems, the history of the environmental movement, and the implications of laws, economic and

political systems on environmental issues. Students also gain an awareness of environmental science career opportunities. All students will participate in independent research and/or field studies. Students learn both laboratory and field techniques related to the monitoring of natural systems and the assessment of human impact on ecosystems. The course incorporates both academic and applied studies. An emphasis is placed on the use of critical thinking and analytical skills to make a positive impact on the environment. Field work is integral to this course and students will be expected to participate in several working field trips over the course of the year. Field work may take place outside of the regular school day. The work cannot be replaced by in class activities. Students who participate in this course also prepare to take and pass the College Board Advanced Placement Environmental Science exam.

### AP Biology (0432)

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - 'C-' or higher in Biology and Chemistry
  - Score of 4 or better on Biology or Chemistry CST exam
  - Current science teacher approval
- Graduation requirement: Life Science
- UC/CSU A-G requirement: 'D' (Laboratory Science)

Advanced Placement Biology is a one year course that covers the following subjects: chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. Laboratory experiences are an important part of this course and are written up in a lab notebook. This course covers the material usually found in an introductory college level biology course. At the end of the course students are encouraged to take the Advanced Placement exam in biology.

### AP Physics B (0456)

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - 'C-' or higher in Physics and Chemistry
  - Concurrent enrollment in Pre Calculus or Calculus.
  - Score of 4 or better on Chemistry CST exam
  - Current science teacher approval
- Graduation requirement: Life Science
- \*UC/CSU A-G requirement: 'D' (Laboratory Science)  
\*Pending approval

The goal of AP Physics B is to provide students with an experience equivalent to an introductory college level physics course. AP Physics B requires a serious commitment from students. This class will be conducted primarily through inquiry based laboratory experiments and problem solving activities, reinforced with class discussion. We will also complete a major each semester.

Students should be prepared to devote a significant amount of time to working on problem sets, writing lab reports, and working on projects outside of class. Students may take AP Physics B as a second year physics course. It is expected that students taking this course will have strong mathematical skills.

## SOCIAL SCIENCE

### Freshman Social Studies (0204) State Requirements and World Studies

#### Freshman State Requirements

- One semester course – 5 credits
- Grades eligible: 9 (normally), 10, 11, 12
- Prerequisites:
  - None
- Graduation requirement: Freshman Social Studies
- UC/CSU A-G requirement: None

In this first semester orientation course of Freshman Social Studies, students will develop academic skills needed throughout high school and beyond, including organization, note taking, homework habits, test-taking skills, and reflective and academic writing techniques. The course also will emphasize computer research and presentation skills. Students will receive state-mandated instruction in the following areas: Alcohol, Tobacco and Drug Abuse Prevention and Human Sexuality. In addition students will explore the topics of bullying (including cyber-bullying), violence prevention, diversity and tolerance. Media Literacy techniques will be used to analyze and present work on these issues. Driver Education (written only) will take place at the end of the semester. However, students may only get their Provisional Permit after they turn 15 ½ years old, have completed and passed this section of the class and register to take Driver Training (not offered at HMBHS). This course fulfills one semester of the two semester graduation requirements for 9<sup>th</sup> grade Social Studies.

#### World Studies

- One semester course – 5 credits
- Grades eligible: 9 (normally), 10, 11, 12
- Prerequisites:
  - None
- Graduation requirement: Freshman Social Studies
- UC/CSU A-G requirement: 'A' (History)

In this second semester of Freshman Social Studies, World Studies continues the development of the academic and computer research and presentation skills begun in the first. This course is designed to provide a foundation in the fundamentals needed for success in 10<sup>th</sup> grade Modern World History, and is aligned to Grade 10 Content Standards. The course integrates the study of world geography and history beginning with

Classical Europe, with an emphasis on democracy and the rule of law, and their connection to the development of the US constitution. Geographic regions covered also include Africa, Asia and the Middle East, concentrating on imperialism, the rise of new nations, and modern conflicts and issues.

This course fulfills one semester of the two semester graduation requirements for 9<sup>th</sup> grade Social Studies.

### **World History (0212)**

- Year long course – 10 credits
- Grades eligible: 10 (normally), 11, 12
- Prerequisites:
  - None
- Graduation requirement: World History
- UC/CSU A-G requirement: 'A' (History)

World History is a required one-year course that is taken in the sophomore year. The course examines the rise of democratic ideals in western civilization and then surveys the major trends and turning points in 19<sup>th</sup> and 20<sup>th</sup> century world history. Major units in the course include: the Enlightenment, Nationalism, Imperialism, the Industrial Revolution, World War I, World War II and the Cold War. Students will further develop their academic abilities including the following: good study habits, research and writing skills, and the ability to make connections between ideas and actions.

### **AP World History (0215)**

- Year long course – 10 credits
- Grades eligible: 10 (normally), 11, 12
- Prerequisites:
  - Freshman Studies teacher approval
  - Score of 3 or better on the current ELA CST
- Graduation requirement: World History
- UC/CSU A-G requirement: 'A' (History)

This is a challenging and intense course that is tailored to prepare students for the Advanced Placement exam in World History for which students may obtain college credit on passing scores. The course surveys global world history from 8000 B.C.E. to the present, with a focus on the modern world since 1450 C.E. The course will emphasize writing skills as well as historical research and interpretation. Students will obtain a deep understanding of global patterns and interactions among civilizations through time. The course covers the material usually found in an introductory college-level World History course.

### **United States History (0220)**

- Year long course – 10 credits
- Grades eligible: 11 (normally), 12
- Prerequisites:
  - None
- Graduation requirement: U.S. History
- UC/CSU A-G requirement: 'A' (History)

United States History is a one-year course that is taken in the junior year. The course begins with a brief review

of early American history and proceeds to the post-Civil War era and the 20<sup>th</sup> century. Major units will address: the frontier and western settlement, immigration and industrialization, the Progressive Era, Imperialism and WWI, the 1920's and the Great Depression, World War II, the Cold War, the civil rights movement, and social change in the post-Vietnam War era. Students are expected to produce clear and effective writing in a variety of forms, facilitate project presentations, and demonstrate research skills, including reading comprehension, communication, listening skills, and note taking.

### **AP United States History (0221)**

- Year long course – 10 credits
- Grades eligible: 11 (normally), 12
- Prerequisites:
  - World History teacher approval
  - Score of 3 or better on the current ELA *and* World History CSTs
- Graduation requirement for U.S. History
- UC/CSU A-G requirement: 'A' (History)

This course will focus on U.S. History from 1607 to the present. Major emphasis will be placed on historical research and interpretation. By meeting course expectations students will be prepared to take the Advanced Placement Examination in American History and/or excel on the College Board Achievement Test in American History.

### **American Government/Economics (0230)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - None
- Graduation requirement: American Gov/Econ
- UC/CSU A-G requirement: 'A' (History) for 1 semester and 'G' (Elective) for 1 semester

One semester will focus on the basic structure of and operation of our federal government, as well as an awareness of contemporary issues as they develop. The other semester deals with economics and will explore the following areas: 1) an understanding of the role of the economist, 2) an understanding of the structure and function of the American economic system, and 3) an appreciation of how economic principles apply to individuals in a society. This course may include additional economics curricula approved by the Social Studies Department.

Community Service has been included in the curriculum. *For more info on Community Service, please see pg 33.*

### **AP Government/Economics (0234)**

- Year long course – 10 credits
- Grades eligible: 12
- Prerequisites:
  - US History teacher approval
  - Score of 3 or better on the current ELA *and* US History CSTs

- AP Credit given for Government only
- Graduation requirement: American Gov/Econ
- UC/CSU A-G requirement: 'A' (History) for 1 semester and 'C' (Elective) for 1 semester

This is an intense course designed primarily to prepare students to take the Advanced Placement examination in American Government. Students should expect to do challenging independent research and interpretation while studying the evolution and current function of US Government.

## TECHNOLOGY

### Introduction to Mass Media (0641)

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Technology teacher approval
  - 'C-' or higher in English & Social Studies
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

In this class, students produce the daily TV announcements, publish the campus newspaper (in the event *Publications* is not offered) and broadcast music on the campus radio station; thus, outside class time will be expected and required. Students will be expected to act as journalists, bringing video cameras to cover news events around the campus. Students will take on positions as writers, producers, cameramen, disc jockeys and talent assisting with TV, radio and/or the newspaper staff so there is a large lab element to the class.

There will additionally be classroom lessons as students will learn about the history and development of newspaper, radio, TV and the Internet. Students will be exposed to investigative journalism and the rules of journalism with a focus on libel and slander. They will learn about the implications of the FCC, the impact of the 1950's radio disc jockey, the Golden Age of television, the explosion of the Internet and more.

### Animation 1 (0642)

- Year long course – 10 credits
- Grades eligible: 10, 11
- Prerequisites:
  - Animation teacher approval
  - Interview required
  - Essay/application required (see Animation teacher for details)
- Graduation requirement: Fine Art
- \*UC/CSU A-G requirement 'F' (Visual and Performing Arts)  
*\*Pending approval*

Using Adobe Flash CS5 students will experience a comprehensive yet concise introduction to Adobe Flash Professional CS5. The student will learn the art of

creating exceptional interactive experiences, animations, and applications that run on the web, and on the desktop. The student will learn how to use special effects, draw objects, incorporate sound and video, and be introduced to ActionScript 3.0. Also, the student will learn to appreciate the history of Animation. Finally, students will be familiarized with copyright laws.

### Web Design & Animation (0647)

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Animation teacher approval
  - Interview required
  - Essay/application required (see Animation teacher for details)
- Graduation requirement: Fine Art
- \*UC/CSU A-G requirement: 'F' (Visual and Performing Arts)  
*\*Pending approval*

The goal of the class is to provide students with an understanding of the processes and strategies used in solving art and design problems through lectures, demonstrations, samples, readings, critiques, and assignments. Students' imagination and creative abilities will be challenged through hands-on projects utilizing animation in both traditional and digital format. Students will also learn the skills necessary to create and maintain a fully interactive web page using the most recent techniques.

## WORLD LANGUAGES

### Philosophy for World Languages Study

In a world which is becoming more international all the time, languages are a vital part of every educated person. World language study can be immensely rewarding, opening up a whole new world of experience. The study of language will also give a new perspective on one's own language.

The study of a world language requires a mature approach to study. Students who succeed in language are those who keep up with class and homework assignments.

Generally, at least four years of study are necessary for high school students to acquire sufficient proficiency in a foreign language to function effectively in everyday communication situations.

### Spanish I (0500)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - None
  - Note: This is NOT a course designed for Spanish speakers. Spanish speakers must take Spanish

for Spanish Speakers I or French I to satisfy the language college prep requirement.

- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 1})

Students enrolled in Spanish I will be given a sound basis in grammar, sentence structure, vocabulary, and pronunciation. Beginning conversational abilities will be established through the study of dialogues, oral practice, and communication based activities. Reading skills and cultural awareness will be enhanced through the short sketches in the lesson, coupled with supplementary readings and instructor's anecdotes.

### Spanish II (0510)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current Spanish teacher approval
  - Departmental approval
    - ◆ 'C-' or higher in Spanish I or equivalent and/or teacher's discretion
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 2})

In this course there is a general review of the grammatical principles of the first year (in greater depth and detail). This is followed by a steady progression toward a thorough understanding of the Spanish language. The degree to which the course is conducted in the target language is progressively increased until Spanish is used exclusively except for the explanation of complex structures. At this level, there is a steady increase of the complexity in reading material and the student is expected to expand use of the target language in discussion and analysis of readings. Regular cultural lessons continue to be an enriching element of the instruction.

### Spanish III (0515)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current Spanish teacher approval
  - Departmental approval
    - ◆ 'C-' or higher in Spanish II or equivalent and/or teacher's discretion
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 3})

Students experience another review of the grammatical structures learned in their first two years before going on to their final study of Spanish grammar. The students are introduced to Spanish and Latin American literature through selected readings. This course is conducted completely in the target language and stress on the refinement of oral proficiency becomes more intense.

### AP Spanish IV (0528)

#### Spanish Language

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current Spanish teacher approval
  - Departmental approval
    - ◆ 'B-' or higher in Spanish III
    - ◆ **OR** 'B-' or higher in Spanish for Spanish Speakers I/II **AND** teacher recommendation
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 4})

At this level the student is expected to finely tune the ability in all four skill areas of language as well as come to a deeper appreciation of the culture. Students are expected to understand conversation, video, newspapers, magazines, and other media and to intelligently speak and write in the target language. There is a great emphasis placed upon reading, discussion, and writing about selected pieces of contemporary Hispanic literature. Stress is placed on preparation for the Advanced Placement Spanish Language Examination. The class is conducted entirely in Spanish.

### AP Spanish V (0529)

#### Spanish Literature

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current Spanish teacher approval
  - Departmental approval
    - ◆ 'B-' or higher in AP Spanish IV **OR**
    - ◆ 'B-' or higher in S4SS II **AND** teacher approval
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement 'E' (Language Other Than English {LOTE 5})

This course is the continuation of AP Spanish IV; however, it has as its main focus the study of the major literary works of the Spanish speaking world. Obviously, the student is expected to have a high level of proficiency in the four skill areas of the language as necessary tools for the study of literature and the writing of essays about literary works. As with AP Spanish IV, stress is placed on preparation for the Advanced Placement Spanish Language Examination.

### Spanish for Spanish Speakers I (0490)

- Year long course – 10 credits
- Grades eligible: 9, 10
- Prerequisites:
  - Enrollment in the Spanish Immersion program or Spanish as home language
  - Satisfactory performance on oral and written placement test
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other

- Than English {LOTE 2})
- Fulfills college req for 2 years of language

This course emphasizes continued development and refinement of reading and writing skills, instruction in grammar and syntax, vocabulary enrichment, and improvement of oral communication skills. This is an entry-level, year-long Spanish course designed to meet the special needs of native speakers of Spanish and students continuously enrolled in the Spanish Immersion Program. Class will be conducted entirely in Spanish.

### **Spanish for Spanish Speakers II (0492)**

- Year long course – 10 credits
- Grades eligible: 10, 11
- Prerequisites:
  - 'C-' or higher in Spanish for Spanish Speakers I
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 3})
- Fulfills college req for 3 years of language

This course emphasizes advanced and continued development and refinement of reading and writing skills, instruction in grammar and syntax, vocabulary enrichment, and improvement of oral communication skills. This is an advanced-level, year-long Spanish course designed to meet the special needs of native speakers of Spanish and students continuously enrolled in the Spanish Immersion Program. Class will be conducted entirely in Spanish.

### **French I (0530)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - None
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 1})

French I is designed to teach the student expression in simple oral and written French. Emphasis is placed on developing the ability to communicate in French in real-life situations through the use of skits, dialogues and oral practice. Students are introduced to Francophone cultures using movies, supplementary readings, re-creating French holidays and teacher anecdotes. Study and learning skills, as well as some analysis of language structure, are part of the curriculum.

### **French II (0535)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current French teacher approval
  - Departmental approval
    - ◆ 'C-' or higher in French I or equivalent and/or teacher's discretion
- Graduation requirement: Fine Arts

- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 2})

French II continues to develop proficiency in the areas of listening, speaking, reading, and writing. The student will also study contemporary and historical Francophone cultures through excerpts of classical literature, newspapers, and video. Ability to communicate in realistic life situations is a priority. The language used by the instructor is most often French, and students are encouraged to use French as much as possible.

### **French III (0540)**

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Current French teacher approval
  - Departmental approval
    - ◆ 'C-' or higher in French II or equivalent and/or teacher's discretion
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' (Language Other Than English {LOTE 3})

At this level students will improve their understanding of French through study and refinement of grammar as well as through reading literature. They will also expand their understanding of French cultures. Students will express themselves orally and in written form in French since this will be the language of instruction.

### **AP French IV (0545)**

#### **French Language**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Current French teacher approval
  - Departmental approval
    - ◆ 'C-' or higher in French III
- Graduation requirement: Fine Arts
- UC/CSU A-G requirement: 'E' Language Other Than English {LOTE 4}).

This course continues to review and refine knowledge of the French language and cultures. Students will express themselves in both oral and written forms with depth, sophistication, and creativity when appropriate. Students will leave the course with an ability to communicate in French and have the skills to continue their study of French or another language. Preparation for the Advanced Placement examination will be a major part of the curriculum. All communication in this course takes place in French.

**Credit for Foreign Language not offered at  
Half Moon Bay High School**

Education Code 51243 allows the opportunity for the school district's governing board to give credit for a foreign language taken at an accredited high school or established school or program.

Any student who would like to earn foreign language credit from a program not affiliated with Half Moon Bay High School must obtain approval from the principal.

\* Students who have completed two years of formal instruction in a school where a language other than English was used as a medium of instruction beginning in grade six or later have met the LOTE requirement for the UC/CSU A-G coursework. Consecutive enrollment is not required.

## RESOURCE/ SPECIAL EDUCATION

Half Moon Bay High School offers Special Education Programs for students who have disabilities that affect their education. There is a **Resource** program for students with mild disabilities. The classes labeled Basic are considered Resource. There is also a **Special Day Class** program for those with moderate to severe disabilities. Students assigned to classes in these programs are also encouraged to participate in general high school offerings with back-up support provided by a Special Education teacher. Enrollment in Special Education classes is determined by an Individualized Education Plan (IEP). For further information, please contact your student's high school counselor.

### **Basic Independent Study** (0754)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Prior departmental approval, must have signature of case manager
  - Must be stated in current IEP
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

The course offers additional support, in a small group setting, to resource students with their general education work. Organization, study skills, exit exam preparation, and vocational awareness activities are also a component of this class.

### **Basic English** (0752)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Prior departmental approval, must have signature of case manager
  - Must be stated in current IEP
- Graduation requirement: English
- UC/CSU A-G requirement: None

This course is designed to build both your written and oral English skills. It will also focus on reading

comprehension, analysis, and vocabulary. You will read quality literature and examine diverse themes. You will become more familiar with literary and writing conventions, as well as literary terms and genres. You will be given assignments that ask you to use various expository writing formats. In doing so, you must use language in an organized and precise manner. You will be expected and required to read, think, write and participate. This course is designed to challenge and stretch your current skills while developing new skills.

### **Basic World History** (0772)

- Year long course – 10 credits
- Grades eligible: 9, 10, 11, 12
- Prerequisites:
  - Prior departmental approval, must have signature of case manager
  - Must be stated in current IEP
- Graduation requirement: World Studies
- UC/CSU A-G requirements: None

World History is a required 1 year course that examines the rise of democratic ideals in western civilization and then surveys the major trends and turning points in the 19<sup>th</sup> and 20<sup>th</sup> century world history.

The course will follow guidelines of the General Education World History Curriculum (with modifications) to meet the requirements for RSP students to successfully pass the class.

### **Basic United States History** (0704)

- Year long course – 10 credits
- Grade eligible: 11
- Prerequisites:
  - Prior departmental approval, must have signature of case manager
  - Must be stated in current IEP
- Graduation requirement: United States History
- UC/CSU A-G requirement: None

U.S. History is a required 1 year course that examines the major historical events that shaped the United States from the late 18<sup>th</sup> century to the present.

The course will follow guidelines of the General Education United States History Curriculum (with modifications) to meet the requirements for RSP students to successfully pass the class.

### **Basic American Government/Economics** (0753)

- Year long course – 10 credits
- Grade eligible: 12
- Prerequisites:
  - Prior departmental approval, must have signature of case manager
  - Must be stated in current IEP
- Graduation requirement: American Government/Economics
- UC/CSU A-G requirement: None

The course will combine a study of how government works on all levels in the United States along with an understanding of the American economic system. The course will follow the guidelines of the General Education Government/Economics with modifications. Grading is a combination of assignments, homework, and classroom participation.

**Special Day Classes**

**For students with moderate-severe disabilities.**

Program goal: For the students to learn the necessary skills to be safe and independent on campus and in their community.

Curriculum focuses on:

- vocational skills
- social skills
- life skills curriculum in math, reading, and vocabulary

Specific curriculum is determined by each students Individual Education Plan (IEP).

Most students in the SDC program work toward a Certificate of Completion, rather than a diploma.

## SPECIAL PROGRAMS

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**English Prep - CAHSEE (0154)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Below grade-level performance in English; did not pass ELA portion of CAHSEE
  - Counselor recommendation
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

CAHSEE stands for California High School Exit Exam. This course is designed to review the topics needed in order to successfully pass the English language arts portion of the exam. These topics include: word analysis, reading comprehension, literary response and analysis, writing strategies, writing conventions, and writing applications. This course also includes a focus on test taking techniques that will assist students in building the confidence they need to pass this test.

**Math Prep - CAHSEE (0315)**

- Year long course – 10 credits
- Grades eligible: 11, 12
- Prerequisites:
  - Below grade-level performance in Math; did not pass MATH portion of CAHSEE
  - Counselor recommendation
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

CAHSEE stands for California High School Exit Exam. This course is designed to review the topics needed in order to successfully pass the mathematics portion of the

exam. These topics include: probability, statistics, number sense, geometry, evaluating and writing expressions, graphing, solving equations, and logical reasoning. This course also includes a focus on test taking techniques that will assist students in building the confidence they need to pass this test.

**Leadership (0820)**

- Year long course – 10 credits
- Grades eligible: 10, 11, 12
- Prerequisites:
  - Leadership teacher approval
  - Application
  - Minimum GPA of 2.0
  - Must be approved by counselor
- Graduation requirement: Elective
- UC/CSU A-G requirement: None

Leadership is responsible for student and staff recognition programs, assemblies, Homecoming, murals, weekly class announcements, blood drives, dances, talent show, etc, essentially all non-athletic events and activities. Leadership students are often required to participate in after school and lunchtime activities. Students should be motivated, independent, social, and work well with others. Students will learn to be leaders as well as reliable teammates. Students must apply to the Leadership class and go through a low intensity interview process. The Homecoming Chairs and ASB Executive Board Officers need to be elected in addition to this process. All selected Leadership students will be required to attend introductory meetings at the end of May, stay in communication over the summer and will be participating in Leadership events and activities the week before school starts. Leadership is an amazing experience that takes a lot of dedication and heart.

**Student Aides:**

- Teacher's Aide (1999)**
- Office Aide (0910)**
- Counseling Aide (1998)**
- Repo Depo Print Services Aide (0905)**
- Library Aide (0002)**

- Year long course – 10 credits (variable)
- Grades eligible: 11, 12
- Prerequisites:
  - Department and Counselor approval
  - Contract with supervisor/teacher
- Graduation requirement: Elective
  - Students may count no more than 30 service credits toward the 70 credit elective requirement for graduation
- UC/CSU A-G requirement: None
- Students are given grades of Pass/Fail

Student aides are responsible for a variety of tasks which vary based on the setting served and may include data entry, filing, organization, assisting in physical education classes, and other clerical duties. Aides are imperative to

the staff and must be responsible, trustworthy, and dedicated to their positions. It is a privilege to serve as an aide and thus, this position requires a contract with the adult supervising the student; this contract clarifies expectations and responsibilities. If interested in being an aide, the student should discuss the possibility with the potential supervisor before scheduling classes with their school counselor.

### **Community Service/Service Learning**

All students are required to participate and receive credit for Community Service (also known as Service Learning). There are two forms requiring completion that are necessary to participate in the program. These are available in the library and on the forms section of the HMBHS website.

To participate in the program, students must:

- Arrange an interview for a volunteer position once they've been referred by the school or someone in the community.
- Submit to your Social Science teacher a completed Agency and Student Contract form which includes the non-profit agency contract along with a signed parent release/transportation section.
- Submit a timesheet signed by the person-in-charge to your Social Science teacher when all hours are completed.

Senior transcripts will reflect all community service hours accumulated at HMBHS.

Students are expected to complete a minimum of 35 hours of Community Service as part of their course work for their American Government/ Economics class. Students may perform their Community Service any time during their high school career; however, it is recommended that students begin long before their senior year so that they can include it on their college and scholarship applications.

### **Home Hospital Teaching**

The Home Hospital Teaching Program is designed for students who are unable to attend regular school because of an illness, injury, or other special circumstances for a period of three weeks or more. Each pupil is allowed one hour of instruction for each day that school is in session.

## **Alternative Credit**

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### **Adult Education (AE)/High School Credit**

(formerly known as *Night School*)

- Classes are held on campus, but the AE functions independently of HMBHS.
- Regular attendance is mandatory.
- Students must complete 60 hours of seat time (3 hours 2x per week for 10 weeks)
- Students can only take courses they've failed, not

new courses.

- Students receive Pass/Fail marks.

### **Online Learning (Aventa)**

- Meets during zero period. Attendance is mandatory, but students may also complete work at home.
- Offers remedial credit (credit recovery).
- Students receive letter grades. Many courses approved for UC/CSU eligibility.

### **PASS Program** (Portable Assisted Study Sequence)

- For migrant students to help students make up credit deficiencies.
- Many PASS courses are for approved for UC/CSU eligibility.
- Includes after school class, independent work, & PASS teacher supervision.

### **Summer School**

- Summer school is offered on a funds available basis. Students should not rely on it as funding is tentative.
- If offered, classes will be given through online credit recovery (Aventa).

### **Concurrent Enrollment/Community College – CSM, Skyline & Cañada**

<http://www/smccd.edu/collegeconnection>

- Students can take Community college classes for **FREE** while at HMBHS.
- Students must complete a Concurrent Enrollment form with their counselor.
- Students are responsible sending transcripts and to HMBHS.

### **Regional Occupational Program (ROP)**

<http://rop-smcoe-rop-ca.schoolloop.com/>

- A variety of vocational and career interest courses are offered through the ROP program. For a current course list please see website (listed above).