

Course Catalog



Aptos High School
2009-2010

GRADUATION REQUIREMENTS

Aptos High School Graduation Subject Requirements for '07-'08

Applied Arts.....	5 credits
English	40 credits
Foreign Language or Fine Arts	10 credits
Mathematics (includes Alg. 1 or equivalent).....	30 credits
Biological Science	10 credits
Physical Science	10 credits
World History	10 credits
U.S. History	10 credits
U.S. Government	5 credits
Economics.....	5 credits
Health.....	5 credits
Technology	5 credits
Physical Education.....	20 credits
Electives.....	<u>55 credits</u>
Total	220 Credits
Proficiency Requirements: High School Exit Exam.....	

Aptos High School Graduation Subject Requirements for '09 and Beyond

Applied Arts.....	5 credits
English	40 credits
Foreign Language or Fine Arts	10 credits
Mathematics (includes Alg. 1 or equivalent).....	30 credits
Biological Science	10 credits
Physical Science	10 credits
Additional Science.....	10 credits
World History	10 credits
U.S. History	10 credits
U.S. Government	5 credits
Economics.....	5 credits
Health.....	5 credits
Technology	5 credits
Physical Education.....	20 credits
Electives.....	<u>45 credits</u>
Total	220 credits
Must complete 40 hours of community service	
Proficiency Requirements: High School Exit Exam.....	

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The Aptos High School Mission Statement, created collaboratively between the School Site Council and the staff is as follows:

The Aptos High School community embraces its mission of providing appropriate educational opportunities, within a safe and nurturing learning environment, for each student in our culturally rich population. Our resources and energies are directed toward assisting students to reach high standards of academic achievement, social responsibility, and emotional well- being which prepares them to successfully pursue their chosen future.

Aptos High School

100 Mariner Way

Aptos, CA 95003

(831) 688-6565

www.aptoshs.net

APPLIED ARTS

5120 Beginning Wood

Prerequisite: None

Grade Level: 9-12

This is a beginning level class that deals with fundamentals of woodworking and learning the operation of basic woodworking machines. SAFE OPERATION of machinery and tools is strongly emphasized. Students will learn design, construction, and finishing of projects. First quarter students must complete a required project. Second quarter students will be able to design and construct assigned projects of their choice, subject to instructor's approval. A materials fee is requested (covers abrasives, adhesives and finishing materials). A notebook will be required and turned in for a grade by each student.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5130 Advanced Wood

Prerequisite: Beginning Wood

Grade Level: 10-12

This course gives students instruction and experience in the design of basic cabinet making and refinishing or finishing of fine furniture. May be taken a second year. A materials fee is requested (covers abrasives, adhesives and finishing materials). Students will be responsible for planning and designing projects using WEB as a research tool. Students will acquire vocational woodworking skills that can be applied to on-the-job training. A notebook is required and will be turned in for a grade by the teacher.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5032 Introduction to Computers

Prerequisite: None - This is a one semester required course

Grade Level: 9-12

Semester

Students will learn keyboarding by touch using correct typing techniques, correct fingering of letter, number, and symbol keys. The course includes an introduction to Windows and an introduction to Word, Excel, and PowerPoint. Students will learn how to format letters, and write an MLA research paper. Basic E-mail and the Internet will be taught also. Speed development is an important component of the course. A digital portfolio is developed at the end of the semester. Computer labs are available for student use after school. Difficulty depends upon student's aptitude. This course fulfills Digital High School proficiencies 1-5, 7 and 8.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5050 Computer Literacy I

Prerequisite: None

Grade Level: 10-12

Semester

This course will explore the following: the operation of word processing, spreadsheets, and presentation software through IBM compatible computers, how computers function, computer related technology and the use of Windows 98. This course will be taught primarily through the Microsoft Office 2000 software. Even though this class is set up lab style, lectures and class instruction will be provided on a daily basis. Students will be expected to critically analyze information, synthesize results and provide answers that demonstrate a thorough understanding of the coursework.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5064 Computer Literacy II

Prerequisite: Grade "C" or better in Computer Literacy I

Grade Level: 10-12

Semester

This course will explore the advanced applications of the Microsoft Office Suite. Even though this class is set up lab style, lectures and class instruction will be provided on a daily basis. Students will be expected to critically analyze information, synthesize results and provide answers that demonstrate a thorough understanding of the coursework.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5410 Beginning Foods

Prerequisite: None

Grade Level: 9-12

Semester

This is a skill-oriented course designed to provide firsthand experience in basic food preparation. There are a variety of informative, non-cooking lessons combined with the cooking labs. Working in groups of 4-10, the students will be challenged to read and follow directions, communicate with others, learn and improve mathematics and measuring skills, practice written expression, and make responsible decisions. The majority of study units focus on healthy eating habits, and lessons are geared to help students improve their organizational skills. Students will be able to prepare a wide variety of foods, which taste good while applying different culinary techniques. Two web-based projects are required. The Million Word Challenge is also incorporated into the curriculum. A materials fee is requested.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5430 Advanced Foods

Prerequisite: Beginning Foods with a grade of "C" or better

Grade Level: 10-12

Semester

This is a lecture/lab course that is a continuation of the Beginning Foods class. This course emphasizes cooperative group learning. It offers a variety of topics: nutrition, workspace, tools and techniques, consumer decisions and demonstration of simple cake decorating. Web-based projects (i.e. history of food) are incorporated into the curriculum. The class will celebrate special holiday observances with an emphasis on history of the feast. Culinary tastes will be expanded through exploration of U.S. regional foods. A materials fee is requested.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirement.

1046 English Language Development Tutor

Prerequisite: Bilingual and biliterate in English and Spanish, GPA of 3.0 or above, good attendance, prefer good computer skills, BRT or Counselor approval, and Tutorial Assignment with Master Teacher

Grade Level: 11-12

This course is designed for a qualified student to receive instruction and training to develop communication and leadership skills and SDAIE strategies for second language learners within a classroom setting. This is especially valuable for students considering teaching as a profession. The student will be assigned a classroom teacher (Master Teacher) in one of their strongest content areas (math, science, social sciences, English) and work with that teacher during one class period a day for the entire semester. The student is also responsible to meet once a week with their Master Teacher and with the Bilingual Resource Teacher during the tutorial periods to discuss lesson plans, individual and group participation and classroom issues. The student must maintain a weekly reflection journal that will be reviewed with the BRT. Your A-F grade in this class will heavily depend upon your attendance, communication with your Master Teacher, and how well you can work with the targeted students in this class. You may also be asked to translate important concepts the teacher will be presenting.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirement.

Math Tutor

Prerequisite: Have an "A" in class to be tutoring for, good attendance, Math teacher recommendation

Grade Level: 11 & 12

This course is designed for a qualified student to act as a teacher's assistant to provide assistance for student who need extra help. The student will be assigned a classroom teacher (Master Teacher) in one of their strongest content areas (Algebra, Geometry, Trigonometry) and work with that teacher during one class period a day for the entire semester. The student must maintain a weekly reflection journal that will be reviewed by the Master Teacher. The Pass/Fail grade in this class is measured by attendance, communication with Master Teacher and ability to interact with a diverse student population in a positive and professional manner. This course is considered a professional job. Upon successful completion of course, the student can request a letter of recommendation from the Master Teacher.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5980 Science Lab Tech

Prerequisite: Science Dept. Chairperson's recommendation

Grade Level: 10-12.

Class size is 2 students per period. This is an elective class that gives hands-on training in lab and technical skills needed in the workplace. Under close teacher supervision, students will work in the Science Dept. labs; doing lab prep., inventory, equipment repair, safety demonstrations, ongoing projects, and training of others. This will be a real workplace environment with records of attendance, skills certified in a portfolio, and evaluation all keyed to each student individually. May be repeated for credit up to 4 semesters.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5984 Technology Assistant

Prerequisite: Experience and aptitude with computers and teacher approval.

Grade Level: 10-12

This course gives qualified students hands-on experience and formal training in computer troubleshooting and technical support. Students will assist teachers (and other students) in maintaining and using campus-wide networked computers. Students will also study for Microsoft and MacOS technical support certification.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5988 Web Page Design

Prerequisite: Grade "C" or better in Computer Lit. II or teacher approval

Grade Level: 10-12

This course is designed to give qualified students hands-on experience developing and maintaining the Aptos High School web site. Students will work to organize, develop and maintain the school web site and coordinate with faculty and students the submission of content for the site. Each member of the web production team must be a team-player and be responsible for their individual role in the process of creating and maintaining the web site. Students will study and practice the fundamentals of good web design and management. This involves many challenging and interesting technological and managerial roles and responsibilities. Students with interests and skills in technology, business, art, public relations, advertising, photography, and other areas will find tremendous opportunity for growth in these areas.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

5940 Yearbook

Prerequisite: Teacher recommendation in one of the following areas: English, Art or Photography as well as Yearbook Advisor approval. A Yearbook Staff Application and contract must be returned to the Yearbook teacher prior to registration.

Grade Level: 9-12

This course is for the highly motivated student wishing to produce a high quality publication. Students must be able to accept responsibility and work independently to meet deadlines. Emphasis will be on copy writing, layout, interviewing, ad sales, photography skills, and technology. Students should expect 2-5 hours a week of outside class time if needed. Enrollment in a summer yearbook workshop is strongly recommended. This course may be repeated for credit.

UC/CSU Requirement: Does not satisfy UC/CSU college entrance requirements.

FOREIGN LANGUAGE

4010 French 1

Prerequisite: A genuine desire to learn French and a committed willingness to work. Recommended a "B" or better in middle school/junior high language arts and math; "C" or better in high school language arts and math.

Grade Level: 9-12

The class is conducted following the State Standards, with emphasis on listening comprehension, speaking and writing for communication. Students talk about family and friends, time and weather, foods, recreation and sports, entertainment. They express preferences, ask questions, hold interviews, count, make comparisons, describe people and places. Students work alone, with a partner, and in groups. Cassette activities are also used. Students keep a notebook and a portfolio. Daily homework in the workbook is REQUIRED. Culturally authentic activities include French food, games, folk songs, and videos

UC Requirement(s): E G

4020 French 2

Prerequisite: French 1 with a "C" or better

Grade Level: 10-12

French 2 is an intermediate college preparatory course which focuses on integrating the skills of speaking, listening, reading and writing. Using language for communication is emphasized as well as cultural awareness of the French-speaking world. Instruction is given in French. Completion of this course prepares students for French 3 and fulfills the graduation requirement.

UC Requirement(s): E G

4110 Spanish 1

Prerequisite: None

Grade Level: 9-12

The beginning course emphasizes oral comprehension and evokes from the student both physical and verbal responses to spoken Spanish. This course is conducted almost exclusively in Spanish, including oral practice and daily reading and writing assignments. A class project is assigned each quarter and a class notebook is required. The student, who successfully completes the course can understand and respond to elementary Spanish, as well as read, write, listen and speak with an accent acceptable to a native speaker.

UC Requirement(s): E G

4120 Spanish 2

Prerequisite: Spanish 1 with a "C" or better

Grade Level: 9-12

Spanish 2 is the second year-long course in a sequence that focuses on integrating the skills of listening comprehension, speaking, reading, writing, and cultural awareness. The second-year course begins with a review of the major concepts learned in first-year and then introduces new vocabulary and new tenses, so that by the end of the year students who have consistently prepared and participated should be able to not only say what they do on a regular basis, what they are doing right now, and what they are going to do later (first year structures), but also what they did yesterday, what they used to do as a little kid, what they will do in the future, what they would do under other conditions, and what they already have done or not yet done in their lives. Students will learn about plane and train travel, foods and cooking, talking on the phone, staying in hotels, and other useful information for a traveler to a Spanish-speaking country. The course is taught using a variety of modalities, and students are expected to work individually, in partners, and in groups on a daily basis. By the end of the second year, students should be able to understand Spanish at a moderate level. Completion of this course with a "C" or better qualifies students for advancement to Spanish 3.

UC Requirement(s): E G

4130 Spanish 3

Prerequisite: Spanish 2 with a "C" or better

Grade Level: 10-12

Spanish 3 is the third year-long course in the sequence of levels. This course first reviews the units of study from the previous levels to help students synthesize and utilize that material more quickly and adeptly. The third-year vocabulary has students learning about natural parks, school, the arts, health, nutrition, and learn to express how to relate to friends. Besides mastering the skills mentioned in the second-year description, students will learn how to say what they were doing yesterday at a certain time, what they will be doing tomorrow at that time, what they had already done when another event transpired, and what they would have done but circumstances undermined their plans. Students will learn how to give and respond to commands and use the present and imperfect subjunctive moods actively. By year's end, students will have learned all the major structures of the language, and they will comprehend Spanish at a semi-advanced level while their oral skills will still be moderately emerging. Completion of this course with a "C" or better qualifies students for advancement to Spanish 4.

UC Requirement(s): E G

4140 Spanish 4

Prerequisite: Spanish 3 with a "C" or better

Grade Level: 11-12

This fourth-year course reinforces, refines and extends fluency and literacy. Students pursue conversations on issues of current interest, personal experience, expressing opinions, giving advice, suggestions, and also forming and drawing conclusions. We use the video "La Catrina, El Ultimo Secreto" along with the workbook as a supplemental source. The textbook "Sendas Literarias" is used for reading enrichment and to enhance cultural appreciation for Latin American literature.

UC Requirement(s): E G

4210 Spanish for Spanish Speakers 1

Prerequisite: Spanish as a primary home language

Grade Level: 9-12

(Español para hispanohablantes-nivel uno).

This elective, yearlong course begins the development of reading, writing, speaking, and critical thinking skills in Spanish. Students are introduced to Spanish and Latin American literature via a panoramic view of both classic and contemporary works. Students are empowered through self-expression in writing and speaking, and self-esteem is enhanced through appreciation of Latino literature and culture. Course may be taken a second year.

UC Requirement(s): E G

4212 Spanish for Spanish Speakers 2

Prerequisite: Spanish as a primary language; A "C" or better on SS1 and/or approval of teacher

Grade Level: 9-12

(Español para hispanohablantes - nivel dos)

This elective yearlong course continues the development of reading, writing, speaking, and critical thinking skills in Spanish through the study of relevant literature. Students are empowered through self-expression in writing and speaking, and self-esteem is enhanced through appreciation of Latin American literature and culture.

UC Requirement(s): E G

4410 Spanish Language Advanced Placement (AP)

Prerequisite: A "B" or better in Spanish 3 or Spanish for Spanish Speakers 2, teacher recommendation and a score of "Proficient" or better on the California State Standards Test (CST)

Grade Level: 10-12

STUDENTS MUST APPLY FOR COURSE.

Spanish Language (AP) prepares students for the Advanced Placement Examination, and all students entering the course **will be EXPECTED to take it**. Any students who do not take the AP Exam will have their grade reduced (an "A" becomes a "B", etc.). Students refine, perfect, and enhance their speaking, writing, reading and understanding of Spanish, so it is assumed that they have already learned these skills. The course requires students to do compositions, oral exercises, study grammar and syntax, perform listening comprehension exercises, practice conversation, and expand vocabulary. The course will broaden students' understanding of Hispanic culture and foster interest in continuing the study of Spanish in college. This course is equivalent to a fourth semester college course in Advanced Spanish.

UC Requirement(s): E G

4420 Spanish Literature Advanced Placement (AP)

Prerequisite: A "B" or better in Spanish Language AP, a "B" or better in English, teacher recommendation. and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 11-12

STUDENTS MUST APPLY FOR COURSE.

This course prepares the students for the AP Spanish Literature Examination. Students are **EXPECTED to take the AP exam**. Any student who does not take the AP Exam will have their grade reduced. (An "A" becomes a "B", etc.). Students focus on the literary analysis of poetry, short stories and plays for each major time period and literary production. All language skills practiced in AP Spanish Language are further enhanced, especially reading and writing. This course is equivalent to a third year college course in Spanish and/or Hispanic American Literature.

UC Requirement(s): E G

INTEGRATED INSTRUCTION

8240 Algebra – RSP

Grade Level: 9-12

This is a basic algebra course designed for students with IEP's . (Placement in this program is based on recommendation by the Individual Education Plan (IEP) team).

8422 Career English (D)

This is a one-year course designed to build on literacy skills and competencies developed in the first two years of high school English. Emphasis is placed on the development of business oriented skills such as formal and informal letters, completing applications and forms, and phone etiquette. Students become educated with language skills needed in jobs and careers as well as day to day living situations

8456 Career Math (D)

This course is designed to provide students with essential math skills that are needed for success on the job. This course is for students who are on a career path that includes career choices other than a high school diploma. It provides a basic framework in the varied aspects of everyday problem solving as well as calendar, measurement, time and other basic skills. Addition, subtraction, multiplication and division plus fractions and percentages are included in this course as well.

8994 Community Based Education (D)

This course is designed to allow students ho are on a non-diploma track to develop the essential skills needed for job success. The course provides opportunities for student to do real work on actual job sites and receive pay for the hours worked. The course focuses on on-the-job behavior and attitude and appearance, as well as other elements for job success.

8412 Essential English

This course is designed to provide non-diploma bound student with essential English skills that are needed to be successful on the job and in everyday life. The course focused on listening skills, essential vocabulary, word definitions, and the basic elements of English needed for job success. The basic elements of English are taught including: parts of speech, grammar, spelling, and contractions. Survival sign knowledge is also stressed.

8612 Fine Art Elective (D)

This course is designed to teach the students the basic elements of drawing, colors, design, and other skills and crafts that enrich student lives and provide a life-long appreciation for art and all its facets. Student learn to work together and produce projects that give value and satisfaction for a lifetime.

8146 Geography/History (D)

This is a one-year course that combines historical knowledge of the division and location of land by city, county, state, country and continent with knowledge of bodies of water, landforms, climate, roads, and political divisions of land.

8398 Health and Human Biology (D)

This is a one-year course designed to provide students with knowledge of the systems of the human body, positive lifelong attitudes and behaviorism and make wise health decisions related to their personal health and safety.

8300 Learning Skills 1 RS

Grade Level: 9

This course is designed for 9th grade students to assist them with general education course work. In addition to this assistance, students will receive instruction in study skills and social development. (Placement in this class is based on the recommendation by the Individual Education Plan (IEP) team).

8304 Learning Skills 2 RS

Grade Level: 10

This course is designed for 10th grade students to assist them with general education course work. In addition to this assistance, students will receive guidance in self-advocacy skills and vocational development. Emphasis in the 10th grade will be on developing self-awareness and identifying personal strengths and interest. (Placement in this class is based on the recommendation by the Individual Education Plan (IEP) team).

8312 Learning Skills 3 RS

Grade Level: 11

This course is designed for 11th grade students to assist them with general education course work. In addition to this assistance, students will receive guidance in developing work skills and in career planning. Emphasis in the 11th grade year is placed on developing a Career Portfolio. (Placement in this class is based on the recommendation by the Individual Education Plan (IEP) team).

8316 Learning Skills 4 RS

This course is designed for 12th grade students to assist them with general education course work. In addition to this assistance, students will receive guidance in their transition from high school. Students will complete their Career Portfolio, while receiving support with post-high school planning. (Placement in this class is based on the recommendation by the Individual Plan (IEP) team).

8162 Life Management

This is a one-year course in which students will develop knowledge, including necessary vocabulary skills, for managing a life on their own. Students will develop personal transition goals and begin application for post secondary opportunities, as appropriate, such as department of rehabilitation, local community colleges, vocational opportunities a, and employment. Students will participate in and manage their annual IEP>

8020 Math - RSP

Grade Level: 9-12

This is a math development course designed to instruct students in the math skills necessary for passing the California High School Exit Exam in math. (Placement in this program is based on recommendation by the Individual Education Plan (IEP) team).

2998 Math Lab

Prerequisite: Teacher referral and concurrent enrollment in another math class

Grade Level: 9 - 12

Math Lab is designed to advance each student's mathematical skills toward competency in basic math skills, pre-algebra and advanced math concepts, as well as toward applying math in everyday life situations. Individual learning styles and differing skill levels are to be supported by multiple intelligence learning modalities including formal and informal assessments. Each student is expected to increase his/her math skills by setting personal academic goals and by working toward these goals with the support of staff, class members and the family. (Placement in this class is based on the recommendation by the Individual Education Plan (IEP) team).

8454 Math Support - RSP

Grade Level: 9-12

This is a math development course designed to supplement course 8020 Math RSP. (Placement in this program is based on recommendation by the Individual Education Plan (IEP) team).

9558 Modified Instruction

Grade Level: 9 - 12

This program is designed to provide additional support to students with significant emotional needs. Placement in this program is based on recommendation by the Individual Education Plan (IEP) team.

8048 Reading Development Course

Grade Level: 9 - 12

This class is a small group instruction in reading skills necessary to prepare for the High School Exit Exam. (Placement in this class is based on the recommendation by the Individual Education Plan (IEP) team).

8400 SAILS Special Class

Grade: 9 - 12

(Students Acquiring Independent Living Skills)

The Special Class Program is designed to provide students with skill-based instruction that stresses career-oriented activities and independent living skills. A variety of on and off-campus work experience opportunities are provided to students. Language, math, and reading development are integrated into the program. (Placement in this program is based on recommendation by the Individual Education Plan (IEP) team).

8748 Success on the Job (D)

This course is designed to provide non-diploma bound students with essential skills and experiences that will insure that the student is prepared for the work environment after completing high school. The course offers the following: where jobs are posted, how to prepare for an interview, what's expected on the job, salary concerns and several other skills needed for job success,

LANGUAGE ARTS

1020 Beginning ELL (English Language Learners)

Prerequisite: by placement

Grade Level: 9-12

This class is offered to newly arrived students in the United States who have little or no understanding of English. The development of oral language and listening skills is the primary focus; however, reading and writing in English is introduced. Based on acceptable student performance, successful completion of, exit criteria, and teacher recommendation, students will advance to Intermediate ELL. This is a two period core class.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements

1030 Intermediate ELL (English Lang Learners)

Prerequisite: by placement

Grade Level: 9-12

This class is offered to students who have acquired a basic vocabulary and some ability to read and write English. It continues the development of listening and speaking skills; reading and writing are formally presented. Based on acceptable student performance on exit criteria and teacher recommendation, students will move on to Advanced ELL. This is a two-period core class.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

1040 Advanced ELL (English Language Learners)

Prerequisite: Successful completion of Intermediate ELL with a grade of "C" or better, or by placement.

Grade Level: 9-12

Continues the acquisition of vocabulary and the development of listening, speaking, reading, and writing skills. Based on acceptable student performance and teacher recommendation, students will move on to English 1 SDAIE. This is a one-period class; however, Reading Skills is also required.

UC/CSU Requirement(s): Pending UC/CSU approval

1050 Reading Skills 1

Prerequisite: by placement

Grade Level: 9-12

This is primarily a lab activity class and most of the work is done in the classroom through a multifaceted and individual study program. The course emphasizes improving comprehension, developing vocabulary and increasing reading speed, as the student works at 21 different skill activities and with magazine and textbook assignments. Outside reading for reinforcement will be required on an individual basis. Because most work is done in the classroom, daily attendance is EXTREMELY IMPORTANT, and absences will have a negative effect on development of skills and grades. It has become a very helpful adjunct for the ELL program - those students enrolled in either advanced ELL or SDAIE classes.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

1060 Reading Skills 2

Prerequisite: by placement

Grade Level: 10-12

This is a second, or continuing, class for graduation credit for those students who are in the 10th, 11th and 12th grades, yet whose reading skill ability is 2 or more years below their grade year. This class will not replace any English class required for graduation. Reading Skills 2 teaches reading, study and writing skills necessary for overall academic success, and provides specific help in relation to other required classes and class work.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

1120 English 1 (SDAIE)

Prerequisite: Limited English Proficient (LEP) and recommendation of ELD teacher or Bilingual Language Resource Teacher. 9th grade students or those 10th-12th graders who have completed Advanced ELD

Grade Level: 9-12

This course follows the English 1 course outline for writing and literature and prepares students for redesignation as Fluent English Proficient (FEP) and for entry into the regular English program. Sheltered English methodologies are used. Based on teacher recommendation, students will advance to English 2 SDAIE or English 2. This is one-period class; however, Reading Skills is also required.

UC Requirement(s): G B

1130 English 1

Prerequisite: None

Grade Level: 9

English 1 is a yearlong course required of all ninth graders. The goal of this course is to give each student a foundation in the communication skills of reading, writing, speaking, and listening. Learning activities include study in grammar, usage, mechanics, composition, literature, and reading skills. Areas of study include short fiction, nonfiction, novels, drama, poetry, and mythology.

Core novels include: To Kill a Mockingbird, Heroes Gods and Myths and Romeo and Juliet.

UC Requirement(s): G B

1140 English 1 Accelerated

Prerequisite: A score of "Proficient" or better on the California State Standards Test (CST). Contract signed by the current English teacher, student and parent/guardian; the contract requires summer reading

Grade Level: 9

In addition to reading the regular English 1 literature, students will read classical and contemporary works that are assigned in Honors classes. They will learn how to prepare for timed, in-class essay questions, the kind of questions given in the new SAT and AP English tests. An emphasis is placed on writing autobiographical and observational essays. They will learn the complex aspects of prose analysis to better understand the role of tone, syntax, and diction in literature. Although this class helps students prepare for Honors and Advanced Placement classes, semester grades are computed as in regular English classes.

UC Requirement(s): G B

1220 English 2 (SDAIE)

Prerequisite: 9th graders or those 10th-12th graders who have completed Advanced ELL.

Grade Level: 9-12

This course follows the English 2 course outline for writing and literature and prepares students for redesignation as Fluent English Proficient (FEP) and for entry into the regular English Program. Sheltered English methodologies are used. This is a one-period class; however, Reading Skills is also required.

UC Requirement(s): G B

1230 English 2

Prerequisite: Completion of English 1

Grade Level: 10

English 2 continues the direction given in English 1 with an emphasis on skills related to the study of literature. Short stories, novels, essays, drama, and poetry are further investigated, experienced and written about. Core Works studied are the novels Of Mice and Men and the Shakespearean classic Julius Caesar as the core dramatic pieces studied in English 2. Students will develop a greater awareness of classical and modern literature and the uses and techniques of written language.

UC Requirement(s): G B

1260 English 2 Accelerated

Prerequisite: A score of "Proficient" or better on the California State Standards Test (CST). Contract signed by current English teacher, student and parent/guardian; contract requires summer reading of books from a list on the contract

Grade Level: 10

In addition to reading the regular English 2 literature, students will read classical and contemporary works which are assigned in Honors classes. They will learn how to prepare for timed, in-class essay questions, the kind of questions given in the new SAT and AP English tests. An emphasis will also be placed on writing report of information and speculation on cause and effect essays. They will learn the more **complex** aspects of prose analysis, such as how to better understand the role of tone, syntax, and diction in a literary piece. Although this class should help students prepare for Honors and Advanced Placement classes, semester grades are computed as in regular English classes.

UC Requirement(s): G B

1330 American Literature

Prerequisite: Completion of English 2

Grade Level: 11

American Literature is a survey course which may take a chronological, thematic, or cultural approach to the literature of North America. American drama, the novel, poetry, nonfiction, and short fiction are investigated, read, studied, and written about. Core works include: Arthur Miller's The Crucible; Twain's Huckleberry Finn; Fitzgerald's The Great Gatsby. Note-taking, journal-type works, oral presentations, essays, vocabulary study, and literary terms, together with standard grammar, usage, and punctuation lessons are a major focus.

UC Requirement(s): G B

1370 American Literature - HONORS

Prerequisite: A 3.5 GPA in Accelerated Eng. 2 or a 4.0 in regular English 2 is strongly recommended as well as a recommendation from your current English teacher. You need a score of "Proficient" or better on the California State Standards Test (CST). A contract signed by the student, a parent and the current English teacher must be submitted to an American Literature Honors teacher prior to enrollment.

Grade Level: 11

Scholars of literature will enjoy meeting many of the great characters and authors of literature from the 1600's to the present. The course covers strategies for literary analysis, advanced essay writing, in-class timed essays, original research, and a comprehensive end-of-term examination. The course approaches the level, depth and breadth present of collegiate courses.

UC Requirement(s): G B

1514 The Art of Writing

Prerequisite: None

Grade Level: 12

Interested in studying and writing contemporary poems, short stories or plays? Then this course might be for you. Students will study and analyze contemporary poetry, short stories, non-fiction, plays and screenplays of literary merit that will be used as models for their own writing. This will be a multicultural class that will include in part the works of the following writers: Sherman Alexie, Sandra Cisneros, Jimmy Santiago Baca, Maya Angelou, Tomas Rivera, Langston Hughes, Amy Tan, Alice Walker, Toni Morrison, Pablo Neruda, David Sedaris, the Beat Generation writers and many others. Once students are in the class, they will be asked to sign a contract that ensures they are ready to be open-minded and respectful of the work of their peers and the various multicultural works we will be studying. Students who enroll in this class need to understand they will be writing thematically using models as well as creating some writings entirely on their own. They will also be part of creating a literary magazine by reading, editing and scoring student poetry.

The timeline of Units is as follows:

First Semester - Poetry that will include an extensive author study, thematic poetry study and a collection of the student's own poetry.

Third Quarter - Short stories and personal essay that will culminate with a group anthology of students' writings.

Fourth Quarter - Plays and screenplays which will include a 20 page screen play written individually or in groups.

UC Requirement(s): G B

1534 California Authors

Prerequisite: None

Grade Level: 12

The course provides a historical perspective in which California Authors have thrived. For example, look at the Monterey Bay Area when it was inhabited by Native Americans. We read literature with settings in Northern and Southern California as well as in the Central Valley. We examine the dreams of Californians and realities of California as reflected in stories, poems, novels, drama, and non-fiction. Units covered include San Francisco "beat" poets, Santa Cruz County poets, Steinbeck, controversial issues in California, and a unit on the hard-boiled detective mystery. Students self-select and evaluate mysteries read outside of class. Students write evaluation, interpretation, and controversial issue essays as well as reflections on what it means to be a Californian.

UC Requirement(s): G B

1560 World Literature

Prerequisite: None

Grade Level: 12

This course uses the world's literature to explore the themes associated with the human condition including: origins of life, relationships, personal and social responsibility, and cultural identity. Major works include Frankenstein, The Plague, Things Fall Apart, Angela's Ashes, short stories, and poetry from Africa, Asia, the Middle East, and Europe. Students will be required to write one term paper each semester. Student participation in all class activities is extremely important for successful completion of this course.

UC Requirement(s): G B

1810 AP English Literature and Composition

Prerequisite: Course contract signed by student, parent/guardian, and current English teacher. Must have a score of "Advanced" or better on the California State Standards Test (CST).

Grade Level: 12

AP English Literature is a college-level literature and writing course. Format and content are centered on extensive preparation for the College Board AP English Literature and Composition examination given in May. Students will engage in close reading, essay writing, and analytical thinking while exploring a wide selection of literary works of fiction, drama, and poetry by classical, Renaissance, and modern writers. Classical and Renaissance works may include Sophocles' *Oedipus the king* and *Antigone*, as well as Shakespeare's *Hamlet*, *Othello*, and *A Midsummer night's Dream*. Modern works are selected from Isben's *Hedda Gabler* and *A Doll's House*, Conrad's *Heart of Darkness*, Ralph Ellison's *Invisible Man*, Tennessee Williams's *The Glass Menagerie*, Tom Stoppard's *Rosencrantz and Guildenstern are Dead*, Samuel Beckett's *Waiting for Godot*, August Wilson's *Joe Turner's Come and Gone*, Albert Camus' *The Stranger* (and/or Hesse's *Demian*), and Toni Morrison's *The Bluest Eye*. Poetry study is included as a thematic complement to each major work during the fall semester. Intensive poetry study is a major focus of the spring semester.

UC Requirement(s): G B

MATH

2410 Algebra 1

Prerequisite: None

Grade level: 9 - 12

This course introduces students to the fundamentals of the language of mathematics including solving and graphing equations, rules of exponents, linear equations, quadratic functions, and polynomials. Much of the course work will look at the abstract relationships in algebra and algebraic manipulations. Some of the work will involve everyday applications. This course meets the requirements for a first year of college preparatory math.

UC/CSU Requirement(s): C

2480 Algebra Support

Prerequisite: Enrolled in Algebra class and struggling or teacher recommendation.

Grade Level: 9-12

This course counts as credit toward the 3-year math graduation requirement. It is a support for those students who are struggling with the basic skills that are needed to pass Algebra 1 and the High School Exit Exam. A student taking this class would have 2 math classes for the year.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

2510 Geometry

Prerequisite: Algebra 1 with a grade of 'C' or better.

Grade Level: 9 - 12

This course investigates the plane geometry of triangles and other polygons, and circles, including concepts of congruence, similarity, distance and area, and the Pythagorean Theorem. Further, it investigates the solid geometry of cubes, prisms, spheres, pyramids and cones and the calculations of volume, density, and surface area. This course also defines and uses both inductive and deductive reasoning in developing and proving concepts in Geometry. This course meets the requirements for a second year of college preparatory math.

UC/CSU Requirement(s): C

2561 The Mathematics of Design

Prerequisite: Successful completion of Algebra 1 and Geometry.

Grade Level: 11-12

This is a hands-on projects and investigation course that will use manipulatives, construction tools, graphing calculators, computer software and more. Homework assignments, quizzes, exams, weekly journals and research projects will all be included.

UC/CSU Requirement(s): Does not yet satisfy UC/CSU college entrance requirements.

2610 Advanced Algebra Trigonometry

Prerequisite: Successful completion of Algebra 1 and Geometry with a 'C' or better.

Grade level: 9 - 12

In this course, students will gain experience with algebraic solutions to the problems in various concept areas, including the solution of systems of linear equations, quadratic equations, solutions for logarithmic and exponential functions, polynomial and rational functions and solutions involving the complex number system. The course will also investigate trigonometric ratios, functions, graphs, identities and equations. This course meets college entrance requirements for a third year of college preparatory mathematics.

UC/CSU Requirement(s): C

2710 Pre-Calculus

Prerequisite: Completion of Advanced Algebra/Trigonometry with 'C' or better.

Grade Level: 10 - 12

This course will reinforce the concepts taught in the Advanced Algebra course as well as investigate these concepts in greater depth. Trigonometry will be emphasized in this course. The last part of this course will introduce basic Calculus. This course meets college entrance requirements as an elective fourth year of college preparatory mathematics.

UC/CSU Requirement(s): C

2810 Calculus AB - Advanced Placement (AP)

Prerequisite: Completion of Pre-Calculus with a "C" or better and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 11 - 12

This course consists of a full high school academic year of work that is comparable to calculus courses in college and universities. Students who take this course and the AP exam in May, are expected to seek college credit, college placement, or both from institutions of higher learning.

UC/CSU Requirement(s): C

2820 Statistics - Advanced Placement (AP)

Prerequisite: Advanced Algebra/Trig with a "C" or better and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 10 - 12

This course is equivalent to a 1 semester introductory (non-Calculus based) college course in statistics. This is usually required for college majors such as Engineering, Psychology, Sociology, Health Science, and Business. Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

UC/CSU Requirement(s): C

PHYSICAL EDUCATION

4510 Beginning Physical Education

Prerequisite: None

Grade Level: 9th

Beginning P.E. is a one-year core program required for all 9th graders. Students will be exposed to a variety of activities with a large emphasis on fitness. Periodic fitness tests that monitor each student's strength, flexibility and cardiovascular fitness levels will be incorporated into the program throughout the year. Students will also learn the rules and skills associated with the activities below. Students must be dressed in Aptos P.E. clothes to participate. This is a required class for graduation and all students must pass this class before enrolling in Advanced P.E. Grades are earned using a point system based on attendance, participation, and cooperation. Activities may include: badminton, dance, field hockey, volleyball, football, fitness unit, basketball, soccer, softball, swimming, tennis, and track and field.

4800 Advanced P.E. Competitive Sports

(Fulfills Advanced P.E. Requirement)

Prerequisite: Successful completion of Beginning P.E., must be varsity athlete, be athletically eligible AND obtain the approval of Athletic Director

Grade Level: 10 - 12

This course is offered during 6th period for varsity athletes. This is a class designed to prepare students for interscholastic sports and other highly advanced sporting endeavors. It will cover all of the following areas: weightlifting for strength and endurance, cardiovascular exercises, individual and team sports, plyometrics, speed training, agility and flexibility. Students must be highly motivated; this class will be taught at a highly-advanced pace (Note: This course is NOT required for students to participate in varsity athletics).

4550 Advanced Physical Education

Prerequisite: Successful completion of Beginning P.E

Grade Level 10-12

Advanced P.E. is designed to further enhance the fitness skills learned in Beginning P.E. Students must be dressed in Aptos P.E. clothes to participate in daily activities. The activities class will involve a variety of activities (see below) designed to improve the student's social and motor skills, as well as their physical fitness. Grades are earned using a point system based on the student's attendance, participation, and cooperation. Successful completion of 2 years of P.E. is required for graduation. Activities may include: badminton, volleyball, basketball, indoor soccer, softball, archery, golf, football, tennis and pickle ball.

4511 Contract Physical Education

Prerequisite: Have and maintain a 2.0 or above G.P.A and approval of written request by Physical Education Department Chair

Grade Level: 10 - 12

Contract Physical Education is limited to students participating in a physical activity at a professional or near-professional level and participates in a minimum of 20 hours of practice, competition, and travel per week. Monthly meetings are required. Failing to meet the class' criteria will result in a No Credit grade mark.

4910 Adaptive Physical Education

Prerequisite: Assigned by school nurse upon recommendation of parent & physician; Form H-10 needs to be completed by physician.

Grade Level: 9 - 12

This course consists of an individualized program of exercises and activities for those who are recommended for the class by a doctor. Modified sports activities will be presented to improve the student's limiting condition. Emphasis will be placed on weight training, swimming and individual sports participation. Course difficulty ranges from mild to moderate depending on the student's physical challenge.

4600 Weight Lifting

Prerequisite: Successful completion of Beginning P.E

Grade Level: 10 - 12

Advanced P.E.-Weightlifting is designed to further enhance the fitness skills learned in Beginning P.E. Students must be dressed in Aptos P.E. clothes to participate in the daily activities. The weightlifting class will focus on human anatomy, strength building, muscle toning, flexibility, and cardiovascular endurance. Students will participate in a rigorous weightlifting routine throughout the year that focuses on improving the student's overall muscular strength. Grades are earned using a point system based on the student's attendance, participation, and cooperation.



ROP Classes at Aptos High School 2009 – 2010

Sign-up for a class on your course registration form!

- ♦ **Administration of Justice:** Learn the various aspects of law enforcement and the law. Potential careers include police officer, forensic scientist, lawyer, security officer. Students who pass Administration of Justice, with C or better are eligible to petition *CJ-1, Intro to Criminal Justice*, 3 units of credit by exam at *Cabrillo College*. *Year-long class. Open to 11th & 12th graders.*
- ♦ **Bike Assembly & Repair:** Learn the nuts and bolts of bicycle assembly, maintenance, and repair. This course provides an overview of career opportunities within the bicycle industry, from shop mechanic to sales, marketing and engineering. Curriculum includes: bicycle assembly and repair, sales and service, communication, safety laws and health, environmental and economic benefits of cycling, guest speakers and internship opportunities. *Year-long class. Open to 10th, 11th & 12th graders.*
- ♦ **Computer Aided Drafting and Design (CAD):** This course will introduce students to the use, care and concepts of a CAD system using AutoCAD. The “hands on” approach will allow students to develop skills involving the basic drawing techniques and plotting, using appropriate “text” as a guide. “Text” will emphasize ANSI standards. Knowledge of computers or programming is **not** required. This class will prepare students for entry level drafting positions or for advanced training at the post secondary level. *Year-long class. Open to 10th, 11th & 12th graders.*
- ♦ **Computer Graphics:** Learn the techniques used in publishing, design and illustration, photography and multimedia presentations. Software used includes Adobe Illustrator, Photoshop and InDesign. **Meets UC A-G “F” requirement.** Eligible for credit for *DM1, Introduction to Digital Media*, 3 units of credit by exam at *Cabrillo College* upon project approval and ROP Instructor approval. *Year-long class. Open to 10th, 11th & 12th graders.*
- ♦ **Construction Technology:** Construction technology is a program involving classroom and work-site competencies in the following areas: basic construction math, project organization, starting the job, foundations and support structures, practices and procedures for standard wood framing, exterior wall and roof coverings, repairing and/or altering old and new structures and new technologies. *Year-long class. Open to 11th & 12th graders.*
- ♦ **Dental Occupations:** This program will provide students with a global view of today’s dental health care environment while exposing them to potential career opportunities and future options in career advancement and higher education. Students will participate in a combination of interactive classroom instruction, career panels, job shadows and an introduction to various pre clinical dental skills, such as: preventative dentistry, tooth numbering system, dental health, team communication skills, interpersonal skills, ethics and legal considerations, employability skills, dental terminology, and infection control. *Year-long class. Open to 10th, 11th & 12th graders.*
- ♦ **Economics of Marketing:** Want to learn about advertising, marketing communications and research? Students will explore the utilization of traditional advertising, integrated marketing communications, and new media in local, regional, national and global markets. Enroll in this class and learn more about the business world. **Meets UC A-G “G” requirement.** *Year-long class. Open to 10th, 11th & 12th graders.*
- ♦ **Health Careers:** This course provides an overview of the medical field and administrative skills needed to be successful. Students will explore potential career options in the healthcare field. Medical terminology will be emphasized. *Year-long class. Open to 10th & 11th graders; 12th graders who are interested in an overview of the healthcare field.*
- ♦ **Medical Technologies:** This course provides an introduction to scientific concepts, theories and skill development in the healthcare setting for high school students planning on going on to college or advanced training in the healthcare field. Students will participate in a combination of interactive classroom instructions, skill practice, lab activities and clinical rotations in medical facilities. **Meets UC A-G “G” requirement.** Students completing class also receive First Responder certification. Completion of Health Careers and biology recommended. *Year-long class. Open to 12th graders; 11th graders by application.*
- ♦ **Sports Related Occupations:** Learn about the many exciting careers relating to the world of sports: Athlete, coaching, officiating, exercise physiology, sports management, athletic trainer, physical therapy, orthopedic surgery, parks and recreation, sports sociology and more. Instruction includes sports conditioning and training, injury prevention, classroom instruction, CPR certification and field trips. Frequent guest speakers include professional athletes, sports physicians, business owners, and pro scouts. *Year-long class. Open to 10th, 11th & 12th graders.*
- ♦ **Stage Craft:** This course is designed to prepare students for entry-level jobs in theater and stage production including: stage management, production assistance, wardrobe/costume production, stage carpentry, set design/operation, property mastery, set dressing, painting and publicity. Students will acquire knowledge in the use, care, safety practices and upkeep of equipment and supplies involved in stage production. Practical, hands-on learning will accompany all classroom training through work in school or community theater productions or community-based stage businesses or venues. Advanced students may apply specific focus projects. **Open to 10th, 11th & 12th graders.**

Other side for additional ROP classes!

- ♦ **Video Productions:** Video Productions is a hands on course in which students are expected to actively participate in all aspects of the class including: pre-production planning, writing and script editing, on-camera acting, technical work, critical analysis, post-production editing of projects and their presentation to outside audiences. Completion of Computer Graphics recommended. *Year-long class. Meets UC A-G “F & G” requirements. Open to 11th & 12th graders.*

OFF-CAMPUS CLASSES Options:

Students must provide their own transportation to off-campus classes

- ♦ **Green Careers @ Soquel High:** This course will provide an overview of a variety of careers that are designated as “green”. Students will learn the initial job skills and scientific knowledge necessary to pursue employment opportunities in such fields as outdoor education & recreation, solar technologies, green construction, resource management, field research and more. *Year-long class. Open to 11th & 12th graders.*
- ♦ **Fire Science @ Local Fire Departments:** This course is an overview of fire technology and includes information on fire fighting, hazardous materials, fire prevention and the organizations that provide that service. Various certifications will be offered including CPR, First Aid, and Incident Command. Students who pass Fire Science with “C” or better are eligible to petition *FT- 1, Fire Protection Organization*, 3 units of credit by exam at *Cabrillo College*. *Year-long class. Open to 11th & 12th graders.*
- ♦ **Engine Repair @ Watsonville High School:** This basic course of the automotive technology stresses general diagnosis, engine removal and reinstallation, cylinder head and valve train diagnosis and repair, engine block diagnosis and repair, lubrication and cooling system diagnosis and repair. *Year-long class. Open to 11th & 12th graders.*
- ♦ **Vet Science @ Watsonville High School:** Study of common health care of both small and large animals. Participation in the student operated domestic animal grooming shop offers essential safety training for handling animals while also providing skills needed for immediate employment opportunities in the animal care industry. *Year-long class. Meets UC A-G “G” requirement. Open 11th & 12th graders.*
- ♦ **Interior Design @ Santa Cruz High:** This course provides entry-level training in interior design/home furnishings. Students are prepared for job opportunities in the field which includes designer's assistant, fabric librarian and sales of home furnishing products. Instruction covers use of architect’s scale ruler, scale drawings, computer assisted design, blueprint reading, color, fabric, furniture styles and coverings for walls, floors, and windows. Offered **Fall Semester** only in the early evenings two times a week. **Open to 11th & 12th graders.**
- ♦ **Fashion Design @ Santa Cruz High:** This course will give students the basic information related to the field of fashion design and stylist industry including: color theory, design principals of line, proportion, scale and balance as they relate to the human body. Careers in the fashion industry will be explored as well as an introduction to the process of fashion design and marketing. Offered **Spring Semester** only in the early evenings two times a week. **Open to 11th & 12th graders.**
- ♦ **Culinary Arts in Santa Cruz:** This instructional program prepares students with food production, preparation, and service skills for employment in institutional, commercial, or independently owned food establishments or other food and hospitality industry occupations. Offered in the late afternoons two times a week. **Open to 11th & 12th graders.**
- ♦ **First Responder @ Emergency Training Services:** Forty-four hours of advanced first aid and CPR for healthcare providers. (Must contact ETS at 476-8813 for enrollment and then your counselor) **Open to 16 years and older.**
- ♦ **Dental Assisting:** Instruction includes orientation to the dental profession and dental health team, dental nomenclature, communication skills, interpersonal skills, computer applications, ethics and legal considerations, math applications, asepsis and universal precautions, employability skills, dental materials, sterilization procedures, 4 handed chair side skills, instrumentation and equipment. **Seniors only; must have taken Dental Occupations with “C” or better and attend a mandatory orientation.**
- ♦ **Cosmetology:** Shoreline School of Cosmetology provides a great opportunity for career training in the areas of hair care, skin care, manicuring, and the theory relating to the Art and Science of Cosmetology. **Seniors only; 10th, 11th, & 12th grade students interested must attend a forum to have their name placed on the wait list. Forums are offered the second Monday of each month 1:00 PM – 2:00 PM at the Shoreline School of Cosmetology 189 Walnut Ave. Santa Cruz # 423-5806**

SCIENCE

3250 Advanced Marine Biology

Prerequisite: 12th grade reading level and completion of Biology and Earth and Space or Chemistry or Physics with grades of "B" or better, or approval by Marine Biology teacher with written academic contract prior to enrollment. You must have a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 11 - 12

This is an in depth study of marine life, physical oceanography, and the impact of human activity on the oceans. Outside reading of two novels and independent field work are REQUIRED parts of the class. Science communication work using readings, writing, computer presentation, labs, and scientific illustrations will also be required. Students will have additional opportunities such as the Inter-tidal Monitoring Project, the Catalina Island Marine Institute and the Ocean Science Bowl. Students are expected to be self-motivated and interested in learning about marine environments. This course satisfies a life science lab class requirement for entrance into the University of California. Registration for the Catalina Island Marine Institute will be done during the spring before the course begins.

UC/CSU Requirement(s): F D

3221 Anatomy and Physiology

Prerequisite: Students must have completed Algebra 1, Biology and Chemistry with a "C" or better.

Students will use lab techniques for experimentation and dissection. LEAP Vernier probeware, simulations, A.D.A.M., computer software such as Excel, model construction, and anatomical drawing and illustrations, cooperative group projects, class discussions, presentation, guest speakers, field trips and research.

UC/CSU Requirement(s): Does not yet satisfy UC/CSU college entrance requirements.

3830 AP Environmental Science

Prerequisites:

1. You are a dedicated, self motivated, curious, hard-working student who is willing to take on a challenge and is committed to keeping up with all assignments and being in class every day.
2. You are willing to meet outside of class at times for field work and other possible activities (projects, potential work with mentors, review sessions, others)
3. You are committed to taking the AP Environmental Science Exam in May
4. You successfully completed biology and chemistry (or are taking chemistry concurrently)
5. Students should also have taken at least one year of algebra

Grade Level: 11 - 12

The A.P. Environmental Science course is designed to be the equivalent of an introductory university course in environmental science. It is an incredibly interesting, complex, and applicable science that is constantly changing and expanding. Environmental issues are in the news every day, and it is more important than ever to understand the science behind the stories. It has been developed to be a rigorous laboratory science course that stresses scientific principles, processes and analysis, while also providing opportunities to explore the many social, political, economic and ethical issues that are relevant to the environmental topics studied. In both breadth and level of detail, the content of the course reflects what is found in many introductory college courses in environmental science. All students are expected to take the A.P. Examination in Environmental Science in May.

UC/CSU Requirement(s): G D

3210 Biology

Prerequisite: None

Grade Level: 9 - 12

This course centers around the study of living things; including cell biology, genetics, ecology, evolution, physiology and biotechnology. The class has a lecture, discussion, and laboratory format. two to three hours per week of homework will be assigned. This college prep level class meets the UC Lab Science requirement.

UC/CSU Requirement(s): G D

3810 Biology (AP)

Prerequisite: Approval of current Science teacher and completion of Biology and Chemistry with grades of "B" or better and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 11 - 12

This is a college level, fast paced course designed for students seeking to develop their knowledge of biology at a detailed level and succeed on the AP exam. From fungus to fruit flies; DNA to dinosaurs; we study cell biology, genetics (molecular and classical) and evolution; ecology and populations; and a survey of the eight kingdoms. Students will complete the 12 required AP labs plus many others. They will also have substantial internet and computer based labs and research on current topics. Connections to scientific history and current topics such as bioethics are stressed regularly. This course requires a contract and signature from current science teacher for enrollment. Completion of summer assignments expected.

UC/CSU Requirement(s): G D

3310 Chemistry

Prerequisite: At least a grade of a "B" in both Biology and Algebra I is strongly recommended.

Grade Level: 10-12

This course meets one year of the University of California Lab Science requirement. It also satisfies the Aptos High School graduation requirement for physical science. This is a rigorous college preparatory course with daily homework assignments and frequent exams and laboratory activities. Students need strong reading and math skills. Success in this course will require a strong commitment to completing all assignments and to learning the concepts. Test scores comprise fifty per cent of each quarter grade.

UC/CSU Requirement(s): G D

3340 Chemistry HONORS

Prerequisites: At least a "B" grade in both Biology and Algebra 1.

Grade Level: 10-12

This is an accelerated first-year high school chemistry course, designed for those considering a science or science-related major in college. Because many aspects of the course material involve understanding quantitative relationships and solving quantitative problems, a strong mathematical background is required. The course is fast-paced and new concepts are covered almost every day. Students in Honors Chemistry need to have a strong commitment to coming to class every day and they need to come to class prepared to learn, with assigned work completed. Homework will be assigned daily to practice concepts learned in class and to introduce new concepts. In the event that there are more students who sign up for Honors Chemistry than there are spaces available, students will be selected on the basis of their academic GPAs.

UC/CSU Requirement(s): G D

3450 Earth and Space Science

Prerequisite: Grade "C" or better in Biology. Elementary algebra skills needed.

Grade Level: 10-12.

This course will satisfy a year of U.C. elective "G" requirement. Earth and Space Science covers areas of geology, meteorology, oceanography, astronomy, and energy resources, with some basic background in chemistry and physics. It is intended to serve as a course that meets the high school graduation requirement in physical science. It is also intended to serve as a "bridge" course to Chemistry or Physics for students who do not meet the recommended prerequisites for those courses upon completion of Biology

UC/CSU Requirement(s): G D

3910 Health

Prerequisite: None

Grade Level: 9 - 12 (9th recommended)

A State requirement for graduation, Health Education will study the human body, chemical dependencies, positive life-styles, self-esteem, decision making, reproduction and sexually transmitted diseases, infections, and genetic diseases. There will be homework assignments including 10 hours of community service. A variety of teaching strategies will be used, including guest speakers, group work, oral presentations, and independent reading and writing on a daily basis.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

3280 Health and Human Biology

Prerequisite: None

Grade Level: 9-12

This course is intended for freshmen who are NOT enrolled in Biology. It will satisfy the Health semester graduation requirement, and counts as one year toward the 3-year science graduation requirement. Students who take this course will still need to take either Biology or Life Science to complete their state standards in Biological sciences. This course includes a 10-hour community service component designed for students to complete year 1 of their district community service requirement. The traditional topics covered in Health will be expanded to include lab-based activities to study Human body structures and functions. A NOTEBOOK is required for this class, and there will be frequent writing assignments. Homework will average 1 to 2 hours each week

UC/CSU Requirement(s): G

3010 Life Science

Prerequisite: None. (Not open to students who have had Biology)

Grade Level: 10-12

This course DOES NOT meet the U.C. Laboratory Science requirement, but it does fulfill the Life Science graduation requirement. It is a survey course, similar in content to Biology, covering ecology, plants, and animals and their structures and processes. The course format includes lecture, lab, discussion, films and written work. A NOTEBOOK IS REQUIRED. Not recommended for students who plan to take Biology.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

3110 Integrated Science 1

Prerequisite: Recommend completion of Life Science/Biology

Grade Level: 10-12

This course surveys the major fields in Physical, Earth and Life Sciences and the relationships between the fields. Topics include: Chemistry, Wave Science, Geology, Plate Tectonics, Earth Processes, Electromagnetic Phenomena, Ecology, and Evolution. A Spiral Notebook of at least 150 pages is required which may be worth up to 40% of the quarter grade. This course fulfills the one-year Physical Science Graduation requirement but NOT the U.C. Laboratory Science Requirement.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

3510 Physics

Prerequisite: Concurrent enrollment in Geometry. B or better in Algebra

Grade Level: 10-12

Physics takes a concept before calculation approach to learning Physics. Students study a variety of topics that will help them explain the workings of the physical universe. Students will study energy as it is applied to motion, gravity, electricity, heat, fluids, light, waves and sound. Many real world applications of physics are brought into the classroom. Calculations will be required for each unit. Homework will be 2 to 3 hours per week, or 30 minutes per day. Take home projects will be assigned in addition to regular homework.

UC/CSU Requirement(s): G D

3560 Physics (AP)

Prerequisite: Concurrent enrollment in Algebra II/Trig. Have at least a B in Geometry or previous math and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 10-12

A P Physics B is equivalent to the first year of college physics. Students can enter AP physics without any prior high school physics background or they can take AP physics after first taking physics. Students move quickly through the concepts and focus on problem solving, data analysis, and laboratory development. Students will study Energy and its application to motion, gravity, electricity, heat, fluids, light, waves, sound, nuclear and atomic physics. Homework will be 3-5 hours per week. Projects will be assigned in addition to the regular homework.

UC/CSU Requirement(s): G D

SOCIAL STUDIES

7410 Economics

Prerequisite: None
Grade Level: 12

This is a required senior course which must be passed in order to graduate. This is a one-semester course in basic classical economics. This course covers introductory micro and macro economic principles including scarcity, supply and demand, the business cycles, and practical economics. Daily homework is assigned. Grades are based on exams, projects, homework, and class work.

UC Requirement: G

7840 Economics AP

Prerequisite: Placement in class is competitive - based on GPA, application and contract; application essay required. Students **MUST** successfully have completed Advanced Algebra with a "C" or better, and a score of "Proficient" or better on the California State Standards Test (CST).
Grade Level: 12

Advanced Placement Economics is a very rigorous one-semester course covering classical macro economics. The course is designed to prepare students to take the College Board administered examination in macro economics. Homework will average one (1) hour per night.

UC Requirement: G

7810 European History - AP

Prerequisite: Placement in class is competitive - based on GPA, application and contract w/ current English teacher recommendation; application essay required, and a score of "Proficient" or better on the California State Standards Test (CST).
Grade Level: 10

The Advanced Placement program in European History fulfills the California State requirement for a World History course. Students are expected to demonstrate knowledge of a basic chronology and major events and trends from approximately 1450 to the present. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principle themes in modern Europe history, (b) an ability to analyze historical evidence, and (c) an ability to express that understanding and analysis in writing. Students will take the College Board Advanced Placement European History Examination. Homework will average two (2) hours per night.

UC Requirement: G A

7310 United States Government

Prerequisite: None.
Grade Level: 12

This course is a **REQUIRED** senior class which **MUST BE PASSED** to qualify for graduation. Various forms of government are studied with the emphasis being the federal system of government in the U.S. Students explore the role of the ordinary citizen in our representative democracy and learn the numerous ways they can have an influence on governmental decisions. State and local government is investigated as well. Historical and current issues are studied and debated. Homework is required.

UC Requirement: G A

7830 United States Government - AP

Prerequisite: Placement in class is competitive - based on GPA, application and contract, or recommendation from US History teacher, and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 12

The course is designed to give students a critical perspective on politics and government in the U.S. Students study general concepts to interpret American politics and analyze specific case studies. The course requires familiarity with the various groups, institutions, beliefs, and ideas that make up the American political reality. All students are required to take the AP Government and Politics Examination. Homework will average one (1) hour per night. **UC Requirement:** G A

7210 United States History

Prerequisite: None.

Grade Level: 11

This is a required 11th grade course which must be passed to qualify for graduation. After a review of the American Revolution, the Constitution, the Civil War and Reconstruction, U.S. History students will examine 20th century America and US Geography. Topics include the Progressive Era, Jazz Age, Great Depression, World War I, World War II, Japanese-American internment, the Civil Rights Movement, Vietnam War, geography, and creating an interactive notebook. Daily homework is assigned and grades are based on examinations, projects, homework, participation, interactive notebook and class work.

UC Requirement: G A

7820 United States History - AP

Prerequisite: Placement in class is competitive - based on GPA, application, and contract, or recommendation from Social Studies teacher, and a score of "Proficient" or better on the California State Standards Test (CST).

Grade Level: 11

AP US History provides students with analytic skills and factual knowledge necessary to deal critically with concepts in US History. This course covers the early colonization period in the 15th century to the end of the 20th century. The program prepares students for intermediate and advanced college courses by making demands on them equivalent to those of a full-year introductory college course. Students will assess historical materials and weigh the evidence and interpretations presented in historical scholarship. This course develops the skills necessary to present clear and persuasive historical essays. All students will take the AP United States History Examination. Homework will average one to two (1-2) hours per night.

UC Requirement: G A

7110 World History

Prerequisite: None.

Grade Level: 10

This class is required for graduation. The course surveys the history, cultures and geography that have shaped the modern world. Major turning points since the late eighteenth century are examined in a series of major thematic units which include: the Rise of Democratic ideas; The Industrial Revolution; the Rise of Imperialism and Colonialism: World War I and its Consequences; Totalitarianism in the Modern World; World War II International developments; and, globalization, Nationalism in the Contemporary World; and, unresolved problems of the world. It is expected that students will master major historical, cultural, and geographic concepts in this course. In addition, students will further develop their skills in reading, writing, teamwork, thoughtful discussion, note taking, and managing paperwork.

UC Requirement: G A

VISUAL & PERFORMING ARTS

6010 Art 1

Prerequisite: None (This is a prerequisite for all advanced 2D art classes such as Art II, Photography I, & II)

Grade Level: 9-12

The first semester of this course introduces students to basic art processes. Students will explore art concepts and learn skills through studies in black-and-white media, pencil, charcoal, pen, crayons, and tempera. The five global perceptual skills required for drawing are the primary focus of instruction for first semester. Second semester, students will be involved in a concentrated study of color. Color theory will be explored in watercolor, tempera, colored pencil, crayon, and colored markers. During this semester, students will also explore basic developmental compositional design in two and three dimensional art works. Students will participate in studies of art appreciation, art history, and the history of various artists and art media, which will be included in the curriculum at timely intervals throughout the year. A materials fee is requested.

UC Requirement(s): F

6060 Art II

Prerequisite: Art 1 with a "C" or better

Grade Level: 10-12

This course is a yearlong class in which students are involved in advanced levels of art processes. This course meets the fine art graduation requirements for Aptos High School. It is recommended for all college bound students planning to major in art, photography, architecture, ceramics, commercial art, graphic arts, sculpture, or any major requiring visual training in artistic drawing/painting skills. During first semester, students will explore art concepts and skills through studies in black-and-white media, pencil, pen, charcoal, markers, crayons, tempera, and colored pencils and printmaking. Advanced design, composition, and drawing will be the primary focus of instruction for fall semester. Spring semester will focus on painting in watercolor, tempera, and acrylics as well as mixed media work. Students will be involved in preparing their own working surfaces according to age-old tradition and modern techniques. Art history and the history of various media will be included in the curriculum at timely intervals during each semester. A materials fee is requested.

UC Requirement(s): G F

6310 Beginning Band

Prerequisite: None

Grade Level: 9-12

Learn to play an instrument and participate in concerts, festivals and community events. No previous musical experience is required.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

6050 Ceramics I (Formerly Ceramics)

Prerequisite: None (However, Ceramics I is a yearlong class and students are unable to enter mid-year without prior ceramics experience.)

Grade Level: 10-12

Ceramics I is a yearlong course. During first semester, Ceramics students learn how to work safely with clay, glazes, and studio equipment. Students learn basic hand building techniques and are introduced to wheel throwing. During second semester; second semester students, progress to sculpture and explore more complex techniques for surface decoration. Throughout the year, students will participate in studies of art appreciation and art history. Students will write an outside paper on a selected topic and complete a gallery visitation assignment. A material fee is requested.

UC Requirement(s): F

6054 Ceramics II (Formerly Advanced Ceramics)

Prerequisite: Ceramics I with a "C" or better.

This course is yearlong class in which students are involved in advanced levels of ceramics processes. First semester, students will explore more complex forms thrown on the wheel. Second semester will be a focus on advanced sculptural work. Advanced Ceramics students will have opportunities to learn how to safely mix glazes as well as assist in loading and firing kilns. Throughout the year, students will participate in studies of art appreciation, art history, and the history of various artists. Students will write an outside paper on a selected topic and complete a gallery visitation assignment. A material fee is requested.

UC Requirement(s): F

6410 Beginning Chorus

Prerequisite: Interest in singing

Grade Level: 9-12

A learning experience for students with or without previous choral background. Emphasis on tone production, sight singing, basic music theory and the study of traditional choral literature. Through participation in Chorus, students will gain knowledge of choral singing, working as a group toward a common goal, and increase their understanding and appreciation of music as a source of expression. Independent practice is a key component to achieve the course's goals. Performance at concerts required. It may be repeated for credit. A material fee is requested.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

6320 Advanced Band (formerly Concert Band)

Prerequisite: Must have played an instrument for at least two years, and instructor approval

Grade Level: 9-12

Offered to performers on flute, oboe, clarinet, saxophone, trumpet, French horn, bassoon, trombone, baritone horn, tuba, and percussion. There are limited openings for double bass and piano. The ensemble will perform characteristic literature written for wind ensemble. Performances include: concerts, festivals, competitions, and community events. Independent practice is a key component to achieve the course's goals.

UC Requirement(s): F

6230 Drama Production

Prerequisite: Theater Arts 1 or higher; Instructor permission

Grade Level: 10-12

This class produces a full-scale drama or comedy in the fall semester. Actors and technicians gain hands-on experience in every aspect of production, from behind-the-scenes to performance on stage. Students are required to attend after school/evening rehearsals and provide their own costumes. Work on a production crew and class participation are mandatory. A materials fee is requested.

UC Requirement(s): F

6390 Film Appreciation

Prerequisite: None

Grade Level: 11 - 12

This course exposes the students to both the technical and artistic aspects of cinema. Film is the major form of Visual Arts that our students are familiar with and this course gives students an opportunity to trace the development of the film industry, identify and understand the responsibilities of all the members in a film productions company and to appreciate the films and performances that reflect the best of the medium. This course has been accepted to fulfill A-G requirements.

UC Requirement(s): F

6360 Guitar

Prerequisite: None

Grade Level: 9-12

This basic introduction to performing on the guitar assumes no prior musical background. Students will study: basic elements of musical organization, structure, and style; basic guitar technique, including tuning, chords, scales, and flat and finger picking; and, basic singing technique. Several pop/folk/songs will be learned, enabling students to perform accompanying themselves on the guitar. Independent practice is a key component to achieve the course's goals.

UC/CSU Requirement(s): Does not satisfy UC/CSU college entrance requirements.

6430 Jazz Performance Choir

Prerequisite: Concurrent enrollment in Madrigal Choir; instructor permission; audition in spring

Grade Level: 10-12

An advanced vocal music course for the student interested in pursuing vocal and choral skills and repertoire at Aptos High School. Emphasis on performance of various styles of music: vocal jazz, classical, a cappella, etc. Independent practice is a key component to achieve the course's goals. This group performs for festivals and community organizations. Students are also given opportunities to audition for Honors Groups and perform as a vocal soloist with Combo. This is a 7th period class. May be repeated for credit.

UC Requirement(s): F

6350 Jazz Performance Band

Prerequisite: Instructor permission and concurrent enrollment in Concert Band; audition in spring for the following year

Grade Level: 9-12

Offered to performers on trumpet, trombone, saxophone, bass, drums, guitar, and piano. Students will study "big band jazz" literature in various styles including swing, bop, funk, Latin, and rock. Students will learn improvisation through the study and practice of jazz theory/harmony, and by listening to, and studying/analyzing recordings and live performances by major jazz innovators. This ensemble performs in concerts, jazz festivals, and community events. Students are given opportunities to audition for Honors groups. Students will perform in small combos. Arranging and composing are also encouraged. Attendance at performances and rehearsals is required. Independent practice is a key component to achieve the course's goals. May be repeated for credit. Material fee is requested.

UC Requirement(s): F

6420 Advanced Choir (formerly Madrigal)

Prerequisite: Instructor permission and audition in spring for following year; choir or previous choral background.

Grade Level: 10-12

In this advanced classical group at Aptos High School, students will pursue their vocal skills, explore choral repertoire, and be exposed to a variety of performance opportunities. Performances include many community concerts for the holiday season. In the spring, the main focus is the choral department's festival season, incorporating classical repertoire, spirituals, and popular genre. Performances at concerts and rehearsals are **REQUIRED**. May be repeated for credit. Students are also given opportunities to audition for Honor Groups. Independent practice is a key component to achieve the course's goals. A materials fee is requested.

UC Requirement(s): F

6240 Musical Production

Prerequisite: Audition/Instructor permission

Grade Level: 9-12

Offered spring semester only, this class produces a full-length BROADWAY musical including dancing, acting, singing, and technical work. Course work includes set design, character study, and final project. Students are selected by audition in late December. Students are expected to provide their own costumes and attend after school and evening rehearsals. Work on a production crew and class participation are mandatory. A material fee is requested.

UC Requirement: F

6112 Photography 1

Prerequisite: Art 1 or instructor approval

Grade Level: 10-12

Photography I is designed for students with little or no photography background. The basic skills, principles, and processes of black and white photography are presented along with the history and appreciation of photography, film and cameras. Students will learn to use a 35 mm SLR camera, develop black and white film, print photos, mount and mat prints using archival techniques, and critique their work as well as the work of their classmates. Second semester students will continue to focus on darkroom techniques, and learn digital imaging through the use of our computer lab. Students must provide film, photo paper, and special materials for individual projects. A materials fee is requested.

UC Requirement: F

6115 Photography II

Prerequisite: Complete year of Photography I with a "C" or better and approval from instructor.

Grade Level: 11-12

Advanced Photography students will have the opportunity to put more energy into making original images and developing their own personal style. First semester projects will focus on darkroom techniques and alternative processes. Second semester will focus on color photography. Advanced students are expected to have work that will be more consistent and of high technical quality. Students will also be assigned additional specific tasks to help the photography program and darkroom run smoothly. May be repeated for credit. Students must provide film, photo paper, and some special materials for individual projects. A materials fee is requested.

UC Requirement: F

6062 Studio Art AP

Prerequisite: Art I, Art II or previous art experience is strongly recommended. Instructor approval is mandatory in addition to a signed contract and a score of "Proficient" or better on the California State Standards Test (CST)

Grade Level: 10-12

This course will encourage creativity while developing student's artistic skills. Students will be encouraged to become independent thinkers and to emphasize art making as an ongoing process as students prepare a comprehensive portfolio of 24 complete artworks during the course of the year. The portfolio will include 5 quality artworks that will be sent in to the College Board in May demonstrating mastery of technique in a given medium, 12 breath slides that demonstrate a range of visual interest and medium, 12 concentration slides that focus on a central theme demonstrating formal, technical, and expressive means. Students must come into this class with a mastery of basic art techniques and color theory as they will not be covered in class. Students will choose between a 2D design portfolio, or drawing portfolio. A material fee is requested in addition to fundraising through calendar sales.

UC Requirement: F

6210 Theater Arts 1

Prerequisite: None

Grade Level: 9

This course introduces students to the major elements of theatre arts, including basic acting techniques and theater games, the history and structure of drama, and an overview of the technical aspects of theatre. Students will improve their abilities in speech and communications, team work, self-expression, and creativity, all in a non-threatening environment. Assignments range from scene work to puppet making, observations of professional actors to writing and performing original dramatic pieces based on students' own experiences. Optional performance opportunity in Fall or Spring Actor's Showcase. Class participation is mandatory.

UC/CSU Requirement: F

6220 Theater Arts 2

Prerequisite: Theater Arts 1 recommended

Grade Level: 10 - 12

This course is designed for intermediate and advanced actors, writers, and stage technicians. An overview of all aspects of theatre arts will be provided with an emphasis on acting techniques (including improve, character development, scene study, monologues, script analysis) and writing and directing. Performance opportunities optional Fall/Spring Actors Showcase; class participation mandatory.

UC/CSU Requirement: F

6440 Treble Choir

Prerequisite: Choir or previous choral background; enrollment for entire year; audition in spring (prior to registration for the following year)

Grade Level: 10-12

An intermediate vocal class allowing students to pursue their singing possibilities. Repertoire will include popular and classical vocal Literature. Students will also participate in the choral department's holiday activities, spring concerts and festivals. Students will have an opportunity to audition for Honors Groups. Performances and rehearsals are mandatory. May be repeated for credit. A materials fee is requested.

UC Requirement: F