

Carlmont High School

2022-2023

Program Planning Handbook

Course Catalog



Our Mission:

The mission of Carlmont High School is to provide a supportive learning environment that allows all students to achieve success in academics and careers. A Carlmont Education fosters a community of creative thinkers who are confident and collaborative in a rapidly changing society. Above all, we aspire to provide students with the skills they need to make positive contributions to their community and the world.

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Counseling Department

The counseling program provides students with support in the areas of academics, personal/social counseling, and college/career choices as students become increasingly independent during their four years of high school. Students work with the same counselor throughout their high school career. Counselors meet with students in classrooms, small groups and on a one-to-one basis. Additionally, Carlmont has a school therapist available for urgent personal counseling needs as well as conflict mediations. Students are encouraged to contact their assigned counselor any time they have questions or concerns. At the start of the second semester counselors will provide students with an overview of the course schedule for the upcoming year. Counselors will also guide students through the planning and selection process as well as distribute and collect course request materials.

College & Career Center Resources

College and Career Center is available to all students and families for the following services.

Naviance – Online Planning Resource Naviance is a web-based program available to all students to explore different colleges and post-high school options. Naviance includes interest inventories to assist students in exploring careers and majors as well as several college search tools. Students have the ability to sign up to attend informational meetings from college representatives. In 2019 Carlmont hosted over 70 different colleges. Scholarship opportunities as well as important web sites are listed in Naviance. The program functions as a communication tool and is the way in which students request transcripts to be sent to colleges as well as requesting teacher and counselor recommendation letters.

College and Career Center Additional Resources

- College and university information: catalogs/reference books: two-year, four-year, in-state, out-of-state, public and private colleges
- Testing dates and registration materials: PSAT, SAT, ACT, Advanced Placement
- Scholarship and financial aid information and applications forms
- Trade, technical and specially school information
- SAT and ACT prep workshop information offered by Carlmont's PTSA
- Summer opportunities information
- National Collegiate Athletics Association (NCAA) information
- Fall college representative visits
- Career speakers
- College Application workshops
- College Essay review
- College Application review

Course Selection Guidelines

The Program Planning Handbook is designed to assist students and parents in educational planning and course selection. Prior to registration meetings with their counselors, students attend the Carlmont Course Fair. Students should also review course descriptions and talk to teachers or department chairs about courses they are interested in taking. During the registration meeting, the counselor will review the student's transcript, provide guidance for course selection, and will review college admission and graduation requirements. When students are considering their classes for the following school year, they should consider the following course selection guidelines:

- Graduation Requirements
- College Entrance Requirements
- The student's interests
- Total number of courses and rigor of classes
- Parent consent
- Teacher recommendation
- Additional time commitments outside of academics

Registration Process

Beginning February each year, counselors begin to meet each student on his/her caseload individually for course registration appointments. Counselors review a 4-year academic plan with students and assist with their course requests. After each appointment is held, a confirmation email will go home to parents that night for their review of their student's course selections. Requests for changes to these selections can be done by replying to the email. Changes to the original selections may occur until May 20, 2022. A master schedule is then created based on student course requests. While Carlmont Administration works diligently to offer schedules that accommodate all students, there are times when conflicts occur and students do not get their first choices. When this occurs, counselors work with students and their families to choose an alternate selection.

Schedule Changes

Carlmont High School's master schedules and course offerings are based primarily on student selection. Please note that students' course schedules are not based on period requests or teacher requests. All 9th, 10th and 11th graders must be enrolled in at least six classes. 12th graders must be enrolled in at least five classes. Course changes will not be made to accommodate extra-curricular schedules, personal preferences, teacher, or period preferences. **Requests to drop one class and enroll in another must be by May 20, 2022.** Level changes must be made within the first two weeks of the school year. Requests will only be granted based on course capacity and availability.

Students may request schedule changes based on the following reasons: Incorrect level for student (academic misplacement) or error. Students are expected to select classes carefully and to maintain a firm commitment to continue enrollment in their classes once the school year begins.

About AP classes at CHS:

- No 9th grade students may take AP. The highest level a 9th grade student may access is the pre-AP class for any given course sequence.
- Excluding AP World History, 10th graders may only take AP classes when they are progressing through a department sequence and are coming from a CHS pre-AP class.

SUHSD Graduation Requirements

Subject	SUHSD Grad. Requirements (passing with D- or better)	A-G Requirements (passing with C- or better)
English	40 credits	4 years
Math	20 credits 10 credits of Algebra 1 or equivalent	3 years Algebra I Geometry Algebra II
Science	20 credits 10 credits of Life Science 10 credits of Physical Science	2 years** 1 year of Life Science 1 year of Physical Science
Social Studies	35 credits/37.5* 15 credits of Social Science* 10 credits of US History 5 credits of Government 5 credits of Economics <small>*Starting with the class of 2025, 9th graders will take 7.5 credits of Ethnic Studies, 10 credits of Social Science</small>	2 years World History U.S. History Government
Life Skills	2.5 credits	No requirement
Fine Arts	10 credits	1 year visual or performing
Physical Education	20 credits	No requirement
World Language	No requirement	2 years in the same language
Electives	62.5 credits/60 credits* <small>*Starting with the class of 2025, students will need 60 credits of electives</small>	1 year must be a college prep. elective
CTE (Career Tech Ed.)	10 credits*** (students must take a 3rd year/level of language OR CTE classes)	No requirement
TOTAL CREDITS	220	

**Life Science = Biology, Human Biology, Biotech, AP Biology// Physical Science = Chemistry, Physics

***For the class of 2020 and beyond, students will need to take a third year of World Language or a CTE course.

College Admissions Requirements

Community College Requirements

Community colleges provide quality, affordable educational options for students. Students can earn a two-year associate's degree, a certificate in a particular field, remediate their skills and improve upon their English skills among other things. Students may also participate in transfer programs that will allow them to transfer to a four year college after approximately two years at the community college. First priority for student enrollment in the California Community College System is given to students who have either graduated from high school, did not complete high school by the date of their class graduation, or have reached the age of 18.

All Carlmont students hoping to enroll in a community college course while enrolled in high school are required by the California Community College System to have a school counselor approve the request prior to their enrollment in the class. Please see our website for information about concurrent enrollment parameters.

California State University

Students interested in attending any California State University must satisfy the following requirements:

- Complete a minimum of 15 college-preparatory courses (a-g courses), with at least 11 finished prior to the beginning of 12th grade.
- Earn a grade point average (GPA) of 2.5 or better in a-g courses with no grade lower than a C (Students with GPAs of 2.0 - 2.49 can be considered for admissions by supplemental factors)
- Meet the examination requirements by taking the ACT plus Writing or the SAT by December of senior year. *

Students should visit the following website for more info: [CSU requirements](#)

* For the class of 2022, these requirements may be waived. CSU is not accepting ACT/SAT scores.

University of California

Students interested in attending any University of California must satisfy the following requirements:

- Complete a minimum of 15 A-G courses with a C or better in each course
- Earn a grade point average (GPA) of 3.0 or better in A-G courses with no grade lower than a C.

Students should visit the following website for more info: [UC requirements](#)

*For the class of 2022, these requirements may be waived. UCs are test blind for the class of '22.

Private College Requirements

Private institutions have requirements that vary from college to college. Students should use their Naviance account as well as visit the admissions page at the private college of their choice to get specific information. Generally, the list of courses required by the University of California provides a guideline for the high school courses that should be taken to qualify for admission to private colleges.

Concurrent Enrollment and a note on Community College/ College Classes: Students enrolling in college-level classes should understand that CHS will not enroll them in the same AP class since the AP course is recognized as the same level as the college course. Colleges would view this as repeating the same class. Concurrent courses (except PE) must be included on college applications, regardless of the grade earned. Some concurrent courses can be listed on the CHS transcript (max of 20 credits for graduation/max of

20 elective credits). Counselors must be notified and give approval to any class a student takes outside of CHS. The Concurrent enrollment form must be used to identify those courses prior to the CHS semester in which the course will be taken. It should be noted that in Spring and Summer of 2020 Community College classes, due to COVID-19, students earned PASS/NO PASS on their Carlmont High school Transcripts.

Planning Resources

COLLEGE PLANNING TIMELINE

The following checklist may be helpful to stay organized on the path to college. These are general guidelines and not all items are listed or applicable to everyone.

Freshman Year

- Visit all the resources on campus – Library, Counseling Office, College & Career Center
- Establish strong study habits and time management techniques
- Participate in extra-curricular activities and work toward leadership positions.
- Get involved! Join clubs, ASB and play sports! Explore and participate in community service
- Meet your counselor and review your four year plan
- Start a list of accomplishments or awards to be used when preparing a resume for college applications

Sophomore Year

- Concentrate on academic preparation and continue to develop basic skills and extracurricular interests
- Attend college admission representative visits in the College Center
- Explore Naviance and do some college/career browsing
- Volunteer, work or take classes over summer
- Add to your list of accomplishments
- Athletes: To play college athletics you must be certified by the NCAA. Start this process in late spring of your sophomore year at www.eligibilitycenter.org

Junior Year

- Take the Preliminary SAT Exam (PSAT)
- Register for SAT and/or ACT
- Attend college admission representative visits in the College Center
- Continue with community service, work or extracurricular activities
- Research and/or visit college campuses during your vacations
- Continue to log on to Naviance to explore careers, majors and colleges
- Contact teachers for letters of recommendation
- Attend summer college planning workshop

Senior Year

- Attend your meeting with your counselor at the beginning of the school year to complete a graduation check and finalize plans for after high school
- Check the College and Career Center for upcoming events and important deadline information
- Read your seq.org email regularly for application guidelines and reminders
- Finalize college application list
- If applying to a private school or scholarship, fill out the request for letter of recommendation form available on Naviance
- Contact teachers and your counselor for letters of recommendation
- Attend college admission representative visits in the College Center
- Know the various applications deadlines and submit applications on time
- Attend Financial Aid Workshop for parents and students
- Apply for FAFSA/Dream Act
- Research and apply for scholarships

Planning Resources

4-YEAR EDUCATIONAL PLAN WORKSHEET

Future Educational Goal

(2-year community college, 4-year college, specialized training, military, etc.):

Career Goal:

Directions:

1. Review graduation requirements.
2. Become familiar with college requirements.
3. Include courses below required for graduation and future plans on your four-year education plan.

****Note:** All students in support will be enrolled in seven classes. Students in AVID, and performing arts may enroll in seven classes when space and budget allows.

	<u>9th Grade</u>			<u>10th Grade</u>
1.	English I or AS English I		1.	English II or AS English II
2.	Life Skills/Ethnic Studies		2.	Modern European or AP European History (class of 2025 - World Studies/AP World History)
3.	P.E. 1		3.	P.E. 2
4.	Biology		4.	Lab Science
5.	Math		5.	Math
6.			6.	
(7.)	**		(7.)	**
Summer			Summer	
Students apply for AVID prior to 9th grade			BTI & Media Arts Pathways begin in this grade	
	<u>11th Grade</u>			<u>12th Grade</u>
1.	English III or AS English III		1.	ERWC or AP English Comp. or AP English Lit
2.	US History or AP US History		2.	Govt/Econ or AP Govt/Econ
3.			3.	
4.			4.	
5.			5.	
6.			6.	
Summer				

WEEKLY CLASS HOMEWORK AVERAGE

The chart below shows the projected number of hours per week a student will probably spend completing his/her homework.

English	Hours/week	Social Studies	Hours/week
English 1, 2, 3, 4	1 - 2.5 hours	Life skills/Ethnic Studies	1 - 1.5 hours
AS English 1, 2, 3	2.5 - 4 hours	Modern Euro Hist/World History	1-2 hours
AP Language	2.5 - 5 hours	US Hist	1-2 hours
AP Literature	2.5 - 4 hours	Gov/Econ	1-2 hours
		AP World History	4-5 hours
Marketing Pathway	Hours/week	AP US History	4-5 hours
Personal Finance	<1 hour	AP Government	4 hours
CTE-Intro to Business	1-3 hours	Psychology	1 hour
CTE-Marketing Com	1-3 hours	AP Psychology	4-6 hours
World Languages	Hours/week	AP MicroEconomics	1-2 hours
World Language 1, 2, 3	2-3 hours	Race, Ethnicity, & Immigration	1 - 1.5 hrs
Spanish III Honors	3 hours	Visual & Performing Arts	Hours/week
Spanish IV	2.5 hours	Instrumental Music	2 hours
AP Spanish	2.5 hours	Drama	1-2 hours
French III Honors	2 hours	Choral I, II	1 hour
French IV or AP	2.5 hours	Adv Choral	2 hours
Chinese III Honors , IV, AP	2.5 hours	Int/ Adv Dance	1-2 hours
Computer Science	Hours/week		
CTE-Intro to Prog Mobile Apps	< 1 hour		
CTE- Adv Comp Sci Structure	< 1 hour		
AP Computer Science	2.5 hours		
CTE-Machine Architecture	2 hours		
Math	Hours/week	AP Art Studio	4-10 hours
Integrated Math	1 hour	Digital Photo I/II	1/2 hour
		Science	Hours/week
Algebra I	2 hours	AP Environmental Studies	3-4 hours
Geometry Enriched	4 hours	Biology	2 hours
Geometry	2 hours	BT Biology	2 hours
Algebra II	3 hours	Human Biology	1 hour
Algebra II/Trig	3 hours	Biotechnology 1-2, 3-4	1/2 hour
Pre-Calculus	2.5 hours	AP Biology	5 - 6 hours
Precalculus Honors	4 hours	Chemistry	2 hours
AB Calc	2.5 hours	AP Chemistry	3 - 4 hours
BC Calc	3.5 hours	Physics	2.5 hours
Multi Variable	4 hours	AP Physics	6 hours
Statistics	2 hours	Green Technology	1-2 hours
AP Stats	4 hours		
Explorations in Data Science	1-2 hours	Biomanufact. Field Work	< 1 hour
Electives	Hours/week	Electives	Hours/week
ASB	1-2 hours	AVID I, II, III, IV	1 hour
Service Council	1-2 hours	AP Research/Seminar	2-4 hours
Leadership	1 hour	CTE Digital Journalism II	3 hours
Yearbook II & III-P	2 hours	CTE Digital Journalism III	3 hours

Planning Resources

TIME MANAGEMENT WORKSHEET

Fill this out for your busiest semester

School/Homework	Average hours/week
School (5 days x 7 hours)	35
Course Title	
• English:	
• Social Studies:	
• Math:	
• Science:	
• Language:	
• Elective 1:	
• Elective 2:	
Total school hours:	

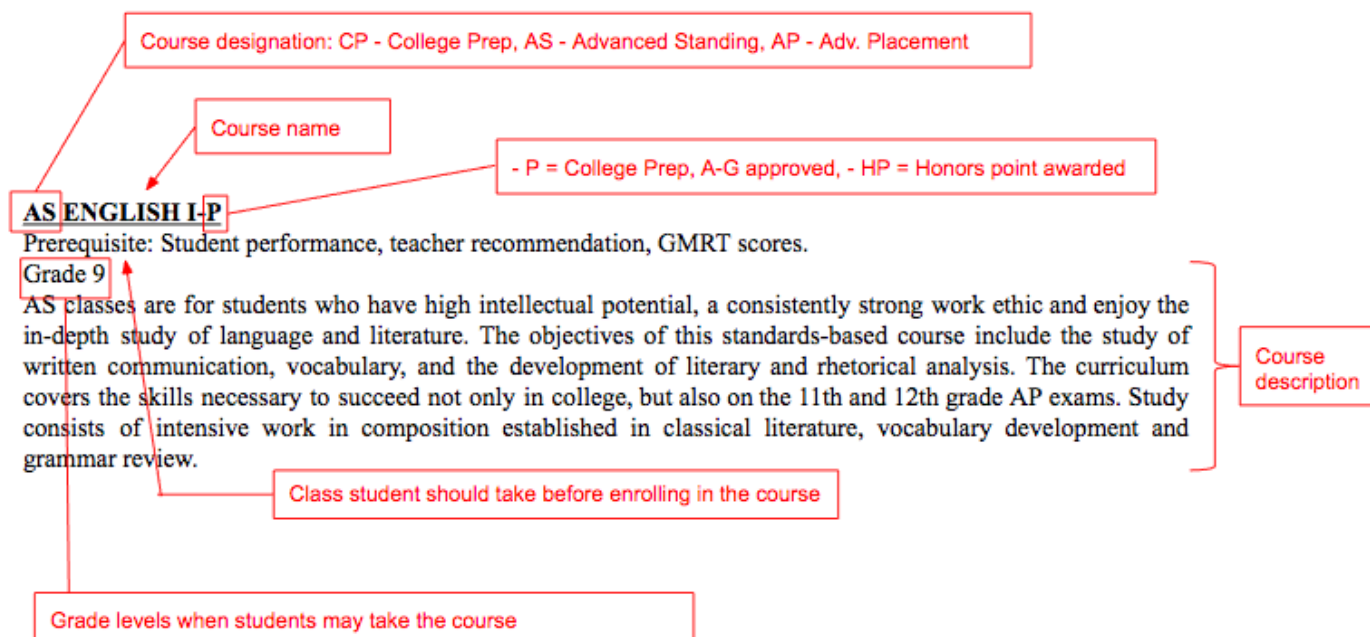
Extracurricular Activities (examples)	Average hours/week
Paid job	
Hobbies/ Interests	
Community Service	
Sports	
Music/ Performances	
Other:	
Total extracurricular hours:	

Daily Living Activities	Average hours/week
Sleep (7 days x 8 hours)	56
Necessities (eating, showering, chores, etc.)	14 (minimum)
Family time/responsibilities	
Free time (friends, TV, phone, internet, video games, etc.)	
Total daily living hours:	

Total Hours	Available hours/week
School/Homework Hours = _____	Maximum Hours
Extra-Curricular Hours = _____	168
Daily Living Hours = _____	
Your total hours <input type="text"/> VS.	

Course Offerings

HOW TO READ COURSE DESCRIPTIONS



NOTE: Course offerings are periodically updated and revised. The descriptions here are accurate at the time of printing, but it is advisable to check with guidance counselors each year for additions and changes.

P-	indicates the course satisfies the University of California A-G requirement
HP -	indicates the course is approved by the University of California as an honors
AS -	Advanced Standing
AP -	Advanced Placement
*	indicates the course meets the fine arts graduation requirement
+	indicates the course meets the Career Technical Education (CTE) graduation requirement

2022-2023 Course Offerings

English	Grade	Math	Grade	Science	Grade
English I - P	9	Algebra I-P	9	Biology-P	9-12
English I Intensive	9			CTE-Biotechnology 1-2-P	10-12
*English I Support	9	Geometry-P	9-12	CTE-Biotechnology 3-4-P	11-12
*English I Intensive Support	9	Geometry(9) - P	9	Biomanufacturing Field Work I-II - P	12
AS English I-P	9	Geometry Enriched-P	9	Human Biology-P	10-12
English II - P	10	Integrated Math -P	10-12	AP Biology-HP	11-12
English II Intensive	10	Algebra II-P	10-12	Chemistry-P	10-12
*English II Support	10	Algebra II/Trig-P	9-12	Chemistry for BioTech-P	11-12
*English II Intensive Support	10	Pre-Calculus-P	10-12	AP Chemistry-HP	11-12
AS English II- P	10	Pre-Calculus Honors-HP	9-12	Physics-P	10-12
*Intervention ELA	9-10	Statistics-P	11-12	AP Physics C:Mechanics-HP	11-12
*Intervention ELA Support	9-10	AP Statistics-HP	11-12	AP Environmental Science - HP	11-12
English III-P	11	AP Calculus-AB-HP	9-12	^Green Tech & Engineering - P	11-12
AS English III-HP	11	AP Calculus-BC-HP	9-12		
ERWC English IV-P	12	Multivariable Calculus-P	9-12	Physical Education	Grade
AP English Composition-HP	12	Explorations in Data Science - P	11-12	PE 1	9
AP English Literature-HP	12	Computer Science	Grade	PE 2	10 -12
ELA I-II/*ELD I - III	9-12	CTE- Intro Prog Mob.Apps-P	9-12	PE- Weight Training	10-12
ELA III - P	11	CTE-Adv Comp Sci Struc-HP	9-12	PE- Dance	10-12
*CTE-Dig. Journalism II-P	11-12	AP Comp. Science A:Java--HP	10-12	*Sports Leadership-P	9-12
*CTE-Dig. Journalism III-P	12	CTE Adv Com Sci Machine-HP	11-12	Business	Grade
Non Departmental	Grade	Non Departmental	Grade	Personal Finance - P	10-12
# AVID I-IV-P	9-12	#Student Leader - P	9	CTE- Intro to Business-P	10-12
#Community Service Leadership-P	10-12	Study Skills	9-12	CTE- Marketing Comm.-HP	11-12
AP Seminar - HP	11-12	Yearbook I - II - P	10-12	General Work Experience	12
AP Research - HP	12	#Leadership ASB - P	10-12		

Social Studies	Grade	World Languages	Grade	Performing Arts	Grade
Life Skills	9	Chinese I-III-P	9-12	Band II-P	9-12
Ethnic Studies - P	9	Chinese III Honors-HP	9-12	#Advanced Band-P	9-12
World History I-II-P	10	AP Chinese-HP	10-12	#Jazz Band II-P	9-12
	10	French I-III-P	9-12	Orchestra-P	9-12
AP World History-HP	10	French III Honors-HP	9-12	#Advanced Orchestra - P	9-12
US History-P	11	AP French Language-HP	10-12	Choral I-P	9-12
AP US History-HP	11	Spanish I-III-P	9-12	#Choral II-P	9-12
American Gov/Micro Econ-P	12	Spanish III-Honors-HP	10-12		
AP Am. Gov/ AP Micro Econ-HP	12	Spanish IV-P	9-12	#Advanced Choral-P	10-12
*Psychology-P	11-12	AP Spanish Language-HP	10-12	Drama I-P	9-12
*AP Psychology-HP	11-12			#Drama II-IV-P	10-12
*Race Immig&Ethnicity-P	11-12			#Intermediate Dance-P	9-12
				#Advanced Dance-P	9-12
Visual Arts	Grade				
Art I-P	9-12				
Digital Arts I-II-P	9-12				
Illustration/Design I-II-P	10-12				
CTE Graphic Design & Illustration -P	10-12				
Digital Photo I-II-P	9-12				
Ceramics I-II-P	11-12				
Art Studio-P	11-12				
AP Art Studio-HP	11-12				

KEY

AS = Advanced Standing
AP = Advanced Placement
HP = Honors College Prep

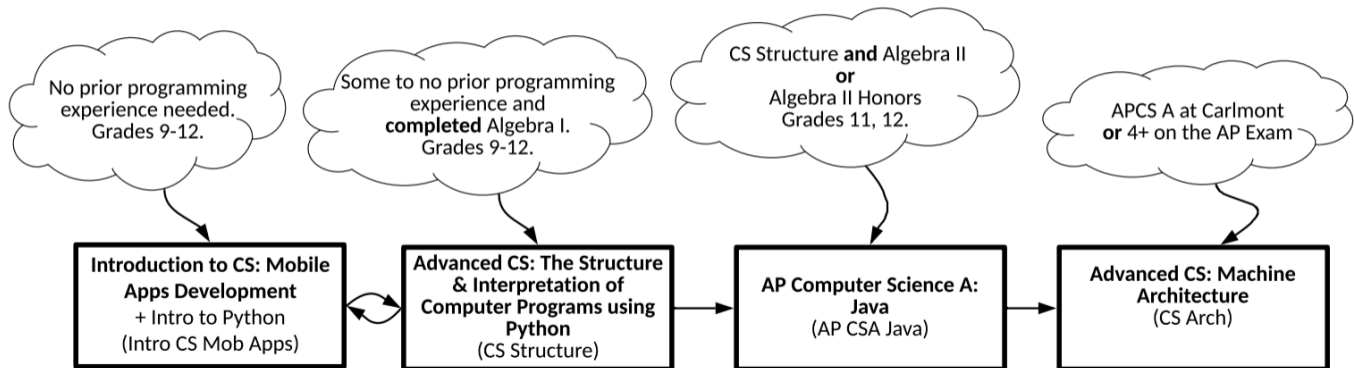
P = College Prep
= Audition/ Application Required
^ = Does not count for Lab Science
*= Counts as elective credit in a core department

Course Offerings

COMPUTER SCIENCE

Possible Pathway:

CARLMONT COMPUTER SCIENCE PATHWAY



+CTE- INTRO TO PROGRAMMING MOBILE APPS-P

Introduction to Computer Science: Mobile Apps Development

Grades 9-12

The course curriculum for Mobile Apps is split into two semesters. The first semester students use the block-based programming language App Inventor to build apps to use on Android mobile devices. Students build increasingly complicated apps utilizing many of the features that mobile devices offer including, but not limited to: location sensor, orientation sensor, accelerometer, proximity sensor, text to speech and speech to text, camera, sound recorder, texting, clock, video player and so on. In the second semester, students are introduced to the Python programming language using an engaging graphics-based curriculum provided by Carnegie Mellon University.

+ CTE- ADVANCED COMPUTER SCIENCE STRUCTURE & INTERPRETATION-P

Computer Science: The Structure and Interpretation of Computer Programs

Prerequisite: Algebra I Grades 9-12

An honors-level course that introduces students to Computer Science through the popular Python programming language. Students will become familiar with basic coding structures such as loops and conditional decisions, learn basic algorithms, and interpret written problems with code. The course is based on a program from the prestigious Carnegie Mellon CS Department and uses a flavor of Python that is rich with graphics. Students are programming animations and games within just a few weeks of beginning the course. It is great preparation for the AP class, as well as a rich standalone course to prepare students for college.

+AP COMPUTER SCIENCE A-HP

AP Computer Science A: Java

Prerequisites: Algebra II **and** CS Structure or Honors level math (Passed Algebra II/Trig or higher). Strongly recommended that students take the Python course, CS Structure, before taking this course.

Grades 11, 12

A one-year college-level course that prepares students for the national AP Computer Science A exam (the long-standing exam first offered in 1984). Students will develop computational programming skills in the Java language. Major topics include: (I) Object-Oriented Program Design; (II) Program Implementation; (III) Program Analysis; (IV) Standard Data Structures; (V) Standard Operations and Algorithms; and (VI) Computing in Context.

CTE- ADV COMPUTER ARCHITECTURE MACHINE ARCH-HP

Computer Science: Computer Architecture and Assembly Language

Prerequisites: AP Computer Science A or passing grade on AP Exam

Grades 11, 12

A one-year college-level course examining the internal organization and operation of digital computers. We begin by learning C Programming, a lower level language than either Python or Java. We then move on to MIPS Assembly and Machine Language, the underpinnings of higher level languages. The last quarter or so is reserved for a topic of the class's choice. This course requires a great deal of self-motivation and attention to detail, and it is great preparation for college.

P: This course meets the UC a-g (“g” college-preparatory elective) requirement.

+: This course meets the Career Technical Education (CTE) graduation requirement.

Course Offerings

ENGLISH

The Sequoia Union High School District English course of study is based on the Common Core Standards. The standards are composed of objectives for each grade level in the areas of language, critical thinking, speaking, writing, listening and reading achieved through the study of significant literature from various cultures. Students must pass four years of English to graduate; all courses are two semesters in duration.

ENGLISH I-P

Grade 9

English I is a standards-based course of study for students who are reading and writing at grade-level as determined by a variety of measures. The objectives of this course include the study of written communication and vocabulary and the development of literary and rhetorical analysis. The English I curriculum focuses on creative and expository writing, the development of public speaking skills, and a foundation in grammar.

ENGLISH I, II SUPPORT

Grade 9, 10

This course is designed for 9th or 10th-grade students who are enrolled in English I-P or English II-P and are reading at or above the 6th-grade level but not yet at grade level. The course uses a district-adopted curriculum, a language development program designed to ensure proficiency in the academic vocabulary, speaking, listening, and writing vital to success in school and life.

*Note: Students in this course earn five units of elective credit per semester.

ENGLISH I, II INTENSIVE AND ENGLISH I, II INTENSIVE SUPPORT

Grade 9, 10

This double period of English is designed for 9th or 10th-grade students who are reading below the 6th-grade level. The course exposes students to some grade-level texts and uses Scholastic's Read 180 curriculum, which focuses on reading comprehension skills, fluency, vocabulary, and writing.

*Note: Students in this course earn five units of English credit toward graduation and five units of elective credit per semester.

INTERVENTION ELA AND INTERVENTION ELA SUPPORT

Grade 9, 10

This double period of Reading Intervention is designed for 9th and 10th-grade students who are reading below the 4th-grade level and who score Pre-Decoder, Beginning Decoder, or Developing Decoder on the Scholastic Phonics Inventory, administered in the summer before the 9th-grade year or at the start of the 9th-grade year. The course uses Scholastic's System 44 curriculum, which focuses on phonics, decoding, sight words, and fluency.

*Note: Students in this course earn ten units of elective credit per semester. A student who takes Intervention ELA as a freshman will not earn English I credit; however, if in the future an Intervention ELA student proceeds to pass a complete year of a high school grade level English course, the student's ELA Intervention will count as having met the English I requirement for high school graduation.

AS ENGLISH I-P

Prerequisite: Student performance, teacher recommendation, GMRT scores.

Grade 9

AS classes are for students who have high intellectual potential, a consistently strong work ethic and enjoy the in-depth study of language and literature. The objectives of this standards-based course include the study of written communication, vocabulary, and the development of literary and rhetorical analysis. The curriculum covers the skills necessary to succeed not only in college, but also on the 12th grade AP exams. Study consists of intensive work in composition established in classical literature, vocabulary development and grammar review.

ENGLISH II-P

Grade 10

English II is designed for students who are performing at grade level.

The objectives of this course include the continuation of study in written communication, with an emphasis on logical organization and effective sentence structure, vocabulary building, and the development of literary analysis through the study of short stories, novels, plays, poetry, and forms of non-fiction. At this level, students are encouraged to look beyond the plot and examine themes, metaphors, similes and other elements of good writing.

AS ENGLISH II-P

Prerequisite: Student performance, teacher recommendation encouraged, and completion of English I.

Grade 10

AS English II is designed for students who are performing above grade level. AS classes are for students who have high intellectual potential, a consistently strong work ethic and enjoy the in-depth study of language and literature.

The objectives of this course include the continuation of study in written communication, with an emphasis on logical organization and effective sentence structure, vocabulary building, and the development of literary analysis through the study of short stories, novels, plays, poetry, and forms of non-fiction. At this level, students are expected to look beyond plot to examine the elements of figurative language.

ENGLISH III-P

Grade 11

The objectives of this course include the continuation of study in written communication, organization of sentence, paragraph and composition patterns, vocabulary building and the development of literary analysis through the study of American authors, past and present, short stories, novels, plays, poetry, and forms of non-fiction.

ACADEMIC LITERACY

Grade 11

This course is designed for 11th-grade students who are enrolled in English III-P and US History-P and are reading at or above the 6th-grade level but not yet at grade level. The course collaborates with English and US History teachers to ensure proficiency in the academic vocabulary, speaking, listening, and writing vital to success in school and life.

*Note: Students in this course earn five units of elective credit per semester.

AS ENGLISH III-HP

Prerequisite: Student performance, teacher recommendation, and completion of English II.

Grade 11

AS English III is designed for students who are performing above grade level. AS classes are for students who have high intellectual potential, a consistently strong work ethic and enjoy the in-depth study of language and literature.

The objectives of this course include the continuation of study in written communication, organization of sentence, paragraph and composition patterns, vocabulary building and the development of literary analysis through the study of American authors, past and present, short stories, novels, plays, poetry, and forms of non-fiction. Students must complete the Advanced Placement summer reading to enroll in AP Literature and Composition in their senior year.

ERWC ENGLISH IV-P

Grade 12

The objectives of this course include the continuation of study in written communication with an emphasis on composition writing, vocabulary building and the development of literary analysis through the study of literature, short stories, novels, plays, poetry, and forms of non-fiction. Students completing this course with a C- or better meet the CSU criteria to enter college-level English.

AP LANGUAGE & COMPOSITION-HP

Prerequisite: Student performance, teacher recommendation, and completion of an English III course.

Grade 12

Advanced Placement Language & Composition is designed for seniors who are performing above grade level. AP classes are for juniors and seniors who have high intellectual potential, a consistently strong work ethic and enjoy the in-depth study of language and literature. This is a college-level course.

This English course is based on the National Advanced Placement standards. This course is organized under the guidelines established by the College Board. Students will read widely in many genres of literature, write frequent impromptu essays, as well as a critical term paper utilizing outside sources. All students in this class may take the national Advanced Placement Language and Composition test in May.

AP LITERATURE & COMPOSITION-HP

Prerequisite: Student performance, teacher recommendation, and completion of English III.

Grade 12

Advanced Placement Literature & Composition is designed for seniors who are performing above grade level. AP classes are for juniors and seniors who have high intellectual potential, a consistently strong work ethic and enjoy the in-depth study of language and literature. This is a college-level course.

This English course is based on the National Advanced Placement standards. This course is organized under the guidelines established by the College Board. Reading consists of both classics and recent works of recognized literary merit in all genres: novels, dramas, poetry and short stories. Frequent writing assignments include impromptu and timed essays and term papers. All students in this class may take the national Advanced Placement Literature and Composition test in May.

ENGLISH LANGUAGE DEVELOPMENT (ELD) / ENGLISH LANGUAGE ARTS (ELA)

All English Learners are placed in an appropriate English course based on their previous scores on the California English Language Development Test (CELDT) and the results of a locally adopted reading diagnostic test, students are initially placed in English Language Arts (ELA).

In addition, students scoring at the CELDT levels of Beginning, Early Intermediate, and Intermediate levels are placed in an English Language Development (ELD) course appropriate for their level (ELD I, II, or III). They receive 10 credits in English and 10 credits in English electives in these classes. English Learners at Early Advanced and Advanced levels on CELDT are placed in English I for which they receive 10 credits of English.

ELA I/ELD I - This level is for beginning English learners as determined by CELDT. The course follows the state and district ELA and ELD standards for beginning English learners. It prepares the EL student to follow simple oral directions, to understand common everyday vocabulary, to engage in short conversations, to respond to questions using simple sentence structures, to develop basic English literacy by reading a variety of level-appropriate fiction and non-fiction selections. Students learn to write complete sentences and paragraphs following familiar formats with minimal errors.

ELA II/ELD II - This level is for early intermediate English learners as determined by CELDT. The course follows the state and district ELA and ELD standards for early intermediate English learners. The course prepares the EL student to demonstrate basic conversational skills in a variety of settings and to deliver short oral reports. Students continue to read both fictional and expository selections and they analyze literature. They write short essays and stories and an evaluative composition.

ELA III/ELD III-Level III-P - This level is for intermediate English learners as determined by CELDT. The course follows the state and district ELA and ELD standards for intermediate English learners. Students continue to read fiction and non-fiction level-appropriate materials. They engage in more complex classroom discussions and continue to practice conversational skills in a variety of settings. Students write short persuasive essays in which they take a position on an issue and justify it with evidence.

Pathway Offerings

MEDIA ARTS PATHWAY

This pathway fulfills English, Art, and CTE (also possibly can earn college credit - pending completion of an articulation agreement with community colleges)

A graduate from the pathway will possess skills necessary to find a job and succeed in communications, journalism, graphic design, and more.

This is intended for the following students

- Interested in media or art studies
- Students who want to develop strong writing skills
- Students who want to write for publication and become part of the student media staff
- Does not need to be an AS student - looking for all students

Students should expect **several writing and art assignments to be completed each year** while in the pathway. Classes will require students to manage their own projects and be able to work in a cooperative team environment.

	English	Elective 1	Elective 2 (optional)
10th Required:	(fulfills English requirement) English 2 for Media Arts Pathway AS English 2 for Media Arts Pathway <i>(instead of Beowulf for summer reading, students will read Freakonomics)</i>	(optional but recommended) Digital Photo 1 Digital Art 1 (fulfills UC Art requirement)	
11th	English 3 AS English 3	CTE Digital Journalism 2 <i>(CTE, UC G Elective)</i> OR Yearbook 1	- Digital Photography - Digital Art - Studio Art/AP Studio Art
12th	English 4 (ERWC) AP English Language and Composition AP English Literature	CTE Digital Journalism 3 <i>(UC G Elective; pending articulation agreement for college credit)</i> OR Yearbook 2	- Digital Photography 2 - AP Art History - AP Studio Art 2

CTE Digital Journalism II and III (elective)

Prerequisites: **CTE Digital Journalism II**: Completion of English II for Media Arts or teacher recommendation.

CTE Digital Journalism III: CTE Digital Journalism II

Grades 11-12

This course provides students with an education in Media and Design Arts in the context of producing media for student publication. The class allows students to continue developing their media production skill while also allowing them to demonstrate ethical decision-making with their publications.

Students will be challenged through demonstration projects that will serve as the foundation to learn skills to create their own content. Students will produce more complex and challenging media designs that include student-generated writing, research, photography, graphics, and art.

The goals of this course are to educate and train the students in the media art field and provide skills that would allow students to successfully participate in collegiate or professional media organizations.

The class also can be used to fulfill the CTE graduation requirement as well as the UC G elective requirement for graduation.

YEARBOOK I (elective) & **YEARBOOK II** (elective)

Prerequisite Yearbook I- Teacher recommendation or completion of Media Arts English II

Yearbook II: Yearbook I **or** teacher recommendation.

Grades 11 -12

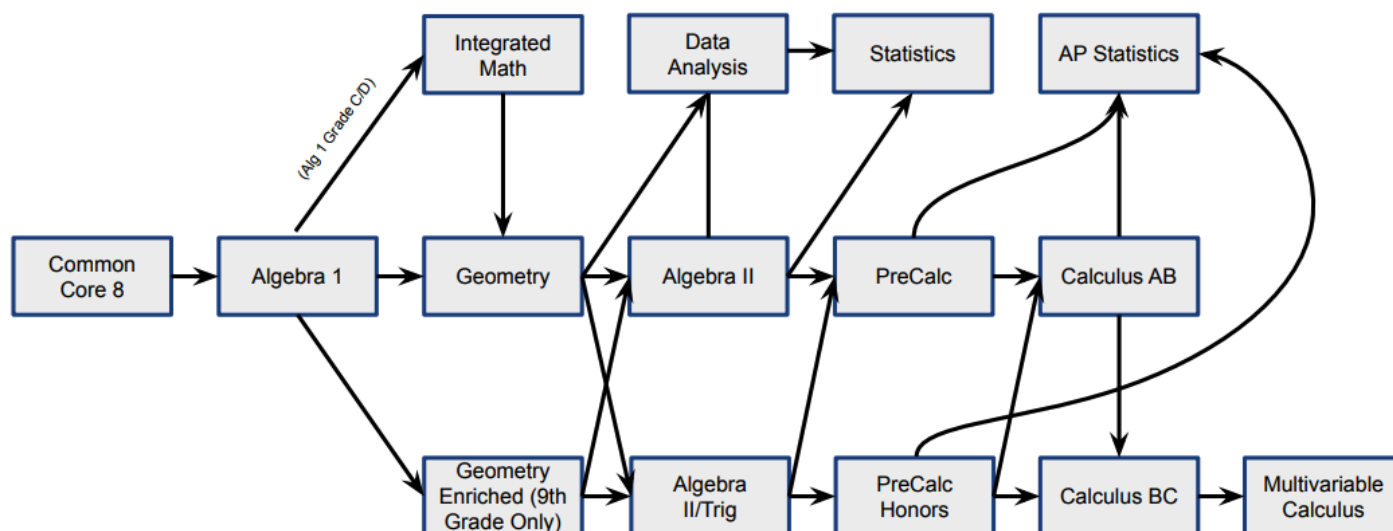
Production of the school annual; practical experience in journalist methods, art, business, magazine format, and style; key positions filled by advanced students.

Course Offerings

MATHEMATICS

Possible pathways:

Carlmont Math Pathways



CHS Graduation Requirement: 2 Years of Math (1 Year Algebra 1 & 1 Other Year)

CSU/UC Requirement: 3 Years of Math , 4 Recommended*

*Please Note: Students must pass Algebra 2 or Data Analysis with a C or higher to be CSU/UC eligible

ALGEBRA I-P

Grades 9-12

This course covers elementary algebra topics such as order of operations, rational number operations, solving linear equations and inequalities, polynomials, factoring, investigating patterns, functions, graphing of linear and quadratic functions, systems of linear equations, and radical expressions.

INTEGRATED MATHEMATICS

Prerequisite: Completion of Algebra I with teacher recommendation.

Grades 10-12

Algebra I concepts are reviewed while new Geometry topics are introduced. This course integrates Algebra I and Geometry topics. New topics include representing data, coordinate geometry, area, surface area and volume.

GEOMETRY-P

Prerequisite: Completion of Algebra I

Grades 9-12

This is a college-prep course that addresses the California State Standards for Geometry. Successfully completing this course ensures students are prepared for math topics that will be taught in subsequent math courses. Topics covered include inductive and deductive reasoning, angles, polygons, congruent triangles, constructions, circles, right triangles, similarity, solids, logic, and introductory trigonometry.

GEOMETRY ENRICHED-P

Prerequisite: B+ or higher in Algebra I or teacher recommendation

Grade 9

Designed for the upper-level student, this is a rigorous class that goes into more depth and breadth than the regular Geometry course. With an emphasis on deductive reasoning, this course studies all topics covered in regular geometry as well as enrichment topics. Students are required to understand and explain the logic behind their problem solving strategies.

ALGEBRA II-P

Prerequisite: Geometry or Geometry Enriched with a grade of C or higher

Grades 10-12

Algebra 2 is a college-prep course required for admission to almost all four-year colleges. Students review and expand upon concepts learned in Algebra I. The topics include linear, quadratic, exponential, and logarithmic functions, systems of equations, sequences, series, polynomials, rational expressions, the complex number system, statistics and probability. Real-world applications of each topic are explored throughout the course.

NOTE: Most four-year colleges require Algebra II (or Algebra II/Trigonometry) for admission.

ALGEBRA II/TRIGONOMETRY-P

Suggested Prerequisite: Completion of Algebra I or Geometry with a B or better and teacher recommendation.

Grades 9-12

Open to 9th-graders who have earned an A in an honors level, full-year algebra course in the 7th grade, an A in an honors level Geometry course in the 8th grade and an MDTP score of 36 or higher. Same content as Algebra II, but includes Trigonometry through Law of Sines and Law of Cosines.

PRE-CALCULUS-P

Suggested Prerequisite: Algebra II/Trig, Algebra II, Geometry, and Algebra I with a grade of "C" or better or department rec.

Grades 10-12

A challenging elective course whose purpose is to prepare students to take AP Calculus AB or AP Statistics. It covers trigonometry, including circular trig, triangle trig, and real world modeling with sinusoidal functions. The emphasis is on integrating graphing into the study of all concepts. The remainder of the course curriculum covers a wide range of topics including function theory, complex numbers, logarithms, polar coordinates, vectors, analytic geometry, matrix algebra, infinite series, probability, statistics, and a preview of calculus.

PRECALCULUS HONORS-HP

Suggested Prerequisite: Completion of Algebra II-Trigonometry with a B or better

Grades 9-12

Further instruction in functions, probability, statistics, data analysis, trigonometry, matrices, conic sections, polar coordinates, parametric equations, infinite series, and vectors; Analytic Geometry/Calculus Honors also includes the Calculus topics of limits, differentiation and integration.

AP CALCULUS AB-HP

Prerequisite: Completion of Analytic Geometry/Calculus with a grade of C or better or completion of Pre-Calculus with a grade of B or better.

Grades 11, 12

This is a college-level honors course. Topics include differentiation of functions, finding tangents to curves, computing rates of change, solving related rates and problems involving distance, velocity, and acceleration, integration of functions including exponential and logarithmic functions, finding volumes of solids of revolution, computing area under curves, and applying the Fundamental Theorem of Calculus.

AP CALCULUS BC-HP

Prerequisite: Completion of Analytic Geometry/Calculus with a grade of B or better, or completion of Calculus AB with a B or better.

Grades 11, 12

This course includes all of Calculus AB, but goes deeper into integration and differentiation, with analysis of polar and parametric equations, vectors and infinite series. Students who complete the course will be prepared for the BC level of the Advanced Placement Calculus exam.

STATISTICS-P

Prerequisites: C or higher in Algebra II.

Grades 12

The purpose of Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Course work will include exploring data, planning a study, anticipating patterns, and statistical inference. Hands-on activities will be emphasized.

AP STATISTICS-HP

Prerequisites: B or higher in Analytic Geometry/Calculus or Precalculus or concurrent enrollment in Analytic Geometry/Calculus or Precalculus.

Grades 11, 12

The purpose of AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Course work will include exploring data, planning a study, anticipating patterns, and making statistical inferences. Students who complete the course will be prepared for the Advanced Placement Statistics exam.

MULTIVARIABLE CALCULUS-P

Prerequisites: B or higher in AP Calculus BC or A in AP Calculus AB

Grade 12

This course covers all of the topics in UC Berkeley Math 53 and Cañada College Math 253. Topics include: Parametric Equations, Polar Coordinates, Vectors, 3-D Geometry, Vector Functions, Partial Derivatives, Multiple Integrals, and Vector Calculus.

EXPLORATIONS IN DATA SCIENCE - P

Prerequisites: Geometry

Grades 11, 12

In this course students will learn to understand, ask questions of, and represent data through project-based units. The units will give students opportunities to be data explorers through active engagement, developing their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, modeling with data, making and evaluating data-based arguments, and the importance of data in society. At the end of the course, students will have a portfolio of their data science work to showcase their newly developed knowledge and understanding. The course has received A-G approval, meaning the course can be taken as an alternative to Algebra 2, or in addition to Algebra 2.

Course Offerings

MARKETING PATHWAY: Marketing, Sales, and Service

Carlmont Business Course Offerings (2021/2022)

			<div>Personal Finance<ul style="list-style-type: none">• Outside of Marketing Pathway• Recommended for 11-12 graders</div>
Marketing Pathway	<div>Introduction to Business<ul style="list-style-type: none">• Required to participate in DECA / FBLA• Recommended for 10 - 12 graders• Bus 100 at Canada and CSM</div>	<div>Marketing Communications<ul style="list-style-type: none">• Prerequisite: Intro to Business• Recommended for 11-12 graders• Bus 180 at Canada and CSM</div>	<div>3rd Class in Pathway<ul style="list-style-type: none">• To be determined</div>
	<div>Carlmont Business Club<ul style="list-style-type: none">• Not an academic class• Meets Wednesdays during lunch and afterschool</div>		
Freshman	Sophomore	Junior	Senior

Carlmont's Marketing Pathway is for students interested in exploring the world of business. The two-course pathway includes Introduction to Business and Marketing Communications.

Using both creative and systems processes, students will develop marketing concepts and principles and their practical application in marketing and management. Subject matter includes market research, economics, marketing budgets, creative development and design, and marketing foundations/functions with emphasis on public relations, advertising, branding, promotion, product/service management, pricing and distribution. Specialized programs of study in this field may include sports marketing, hospitality marketing, advertising or market research.

+CTE- INTRODUCTION TO BUSINESS- P

Grades: 10-12

Introduction to Business is the introductory course in the Marketing Pathway. This course provides a broad overview of the structure and function of the modern American business organization, examining critical business topics including: current business trends, entrepreneurship and small businesses, competition in global markets, ethical behavior and social responsibility, financial markets, management of resources (both human and financial), and world-class marketing. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects (i.e. marketing). Students who are currently enrolled or have completed this course will be eligible to participate in business related Career Tech Service Organizations (CTSOs) like DECA and FBLA. Introduction to Business is modeled after the BUS 100 Introduction to Business course at Canada College and College of San Mateo and students in the course may be eligible to earn dual enrollment credit.

+CTE- MARKETING COMMUNICATIONS- P

Grades: 10-12

Prerequisite: Introduction to Business ***Applying for honors status for 2020-21 school year ***

Marketing Communications is the second class in the Marketing Pathway at Carlmont High School. This course is designed to provide students with an understanding of the principles of marketing. The course introduces modern business marketing concepts and strategies and familiarizes students with standards, procedure and techniques used in marketing. Topics include marketing research, components of the marketing mix, consumer / business buying behavior, target marketing, green marketing, digital marketing/social networking, global marketing, branding, personal selling and social responsibility and ethics in marketing.

This course is structured so that students can develop more in-depth knowledge and skills in Marketing. Students learn skills that can be applied to real world careers, and provide students with opportunities to enhance learning as related to Common Core State Standards (CCSS) and CTE Curriculum standards. Marketing Communications is modeled after the BUS 180 Marketing course at Canada College and College of San Mateo and students in the course may be eligible to earn dual enrollment credit.

PERSONAL FINANCE - P (elective)

Prerequisite: Successful completion of two year math graduation requirement

Grades 10, 11, 12

Personal finance focuses on a student's role as a citizen, student, family member, consumer, and active participant in the business world. The intent of this course is to inform students of their various financial responsibilities and to provide them with opportunities for self awareness, expression, and satisfaction in a highly technical and competitive society. This course will help students investigate many important areas of interest that will enhance their financial security. They will also better understand their own wants, needs, and values, and how these affect personal financial decisions. Understanding the concepts presented in this course will enable them to make wise decisions and will help their financial future and make them a more effective consumer.

Course Offerings

PHYSICAL EDUCATION

PE 1

ALL 9th grade students will take PE 1

This course is designed for introducing and developing student fitness and recreation, including **Individual Sports** (*Swimming, Frisbee Golf, Golf, Track and Field, Jump Rope, Yoga, Pilates, Singles Tennis, recreational games*), **Dual Sports** (*Tennis, Badminton, Pickleball*), **Rhythm and Dance** (*Beginning Dance, Line Dances, Ballroom, Square*), **Aquatics** (*Freestyle, Elementary Backstroke, Backstroke, Breaststroke, Sidestroke*), and Circuit Fitness Training. Students will develop flexibility, muscular strength and endurance, cardio respiratory endurance, and proficiency in appropriate sport skills. They will understand history, rules, and strategies of sports, and many of the aspects for developing a positive self-image and healthy body.

The California Physical Fitness Test has been suspended as part of the graduation requirement. The California Physical Fitness Test is still administered as a participation element only. The students will work on aerobic capacity (mile run and interval training); body composition (Body Mass Index, fitness training in weight room); abdominal strength and endurance (curl-ups, leg lifts, core strength); trunk extensor or strength and flexibility (trunk lifts); upper body strength (push-ups, fitness training); and endurance and flexibility (sit and reach, various stretching techniques, yoga). The California Physical Fitness Test is listed below:

California Physical Fitness Test		
Zone Number	Healthy Fitness Zone	Type of Test
1	Aerobic Capacity	Mile Run
2	Body Composition	Body Mass Index - omitted
3	Abdominal Strength and Endurance	Curl-Ups
4	Trunk Extensor Strength and Flexibility	Trunk-Lifts
5	Upper body Strength and Endurance	Push-Ups
6	Flexibility	Sit and Reach

PE 2

Grades 10-12

This course is designed to increase the skill levels in **Team Sports** (*Volleyball, Basketball, Flag Football, Soccer, Indoor Soccer, Floor Hockey, and Softball*) emphasizing the importance of life-long activities and fitness. Including, **Aquatics** (*Elementary Backstroke, Breaststroke, Sidestroke, Crawl stroke,, Beginning Life Saving*), **Combatives/Self-Defense** (*mental focus, self-discipline, self-confidence, positive attitude and effective practical defensive skills based on the combative skills of martial art and related disciplines*), **Gymnastics/Tumbling** (*coordination, balance, and rhythm to perform tumbling and gymnastic routines*). Use isometric, isotonic, and isokinetic contractions to develop strength and endurance. Determine individual center of gravity with regard to body alignment to perform tumbling and gymnastic routines),

PE WEIGHT TRAINING

Prerequisite: Physical Education Department recommendation.

Grades 10-12

This course is designed for those students wishing to further their fitness levels working in a structured program of strength training exercises and aerobic conditioning.

PE- DANCE

Prerequisite: Department recommendation.

Grades 10-12

Beginner to intermediate level dance class. Students are exposed to a variety of genres and styles of dance, which may include, but are not limited to ballet, modern, jazz, tap, musical theater, hip hop, jazz-based aerobics, and ethnically-based forms. Traditional and contemporary dance steps and styles, basic coordination, aerobic fitness, strength and flexibility, choreographic concepts, and performance skills are the focus of the class.

***PE-INTERMEDIATE DANCE –P**

Prerequisite: Teacher recommendation.

Grades 10 -12

This course is designed for those students who have attained a proficient level of Beginning Dance (as demonstrated through an audition). Intermediate Dance involves student participation in various aspects of movement. It will continue to enhance their aesthetic perception and valuing, creative expression, and the study of dance heritage. Various activities and performances throughout the course will accomplish these goals. By further expressing, exploring and creating, students will build upon existing knowledge of this movement art. All students will perform in the spring dance show. This course meets the PE or the fine arts graduation requirement as well as the UC “f” requirement.

***PE-ADVANCED DANCE XL-P**

Prerequisite: Teacher recommendation.

Grades 10-12

This course is designed as a technique, choreography and performance class. This class is meant to provide a more challenging level of technique and choreographic assignments for students who have successfully auditioned. The class consists of students who have moved up from the beginning or intermediate level classes as well as new students to the program. Advanced Dance involves student participation in various aspects of movement. It will continue to enhance their aesthetic perception and valuing, creative expression, and the study of dance heritage. Various activities and performances throughout the course will accomplish these goals. By further expressing, exploring and creating, students will build upon existing knowledge of their movement art. All students will perform in the spring dance show. This course meets the PE or the fine arts graduation requirement as well as the UC “f” requirement

SPORTS LEADERSHIP-P

Prerequisite: none

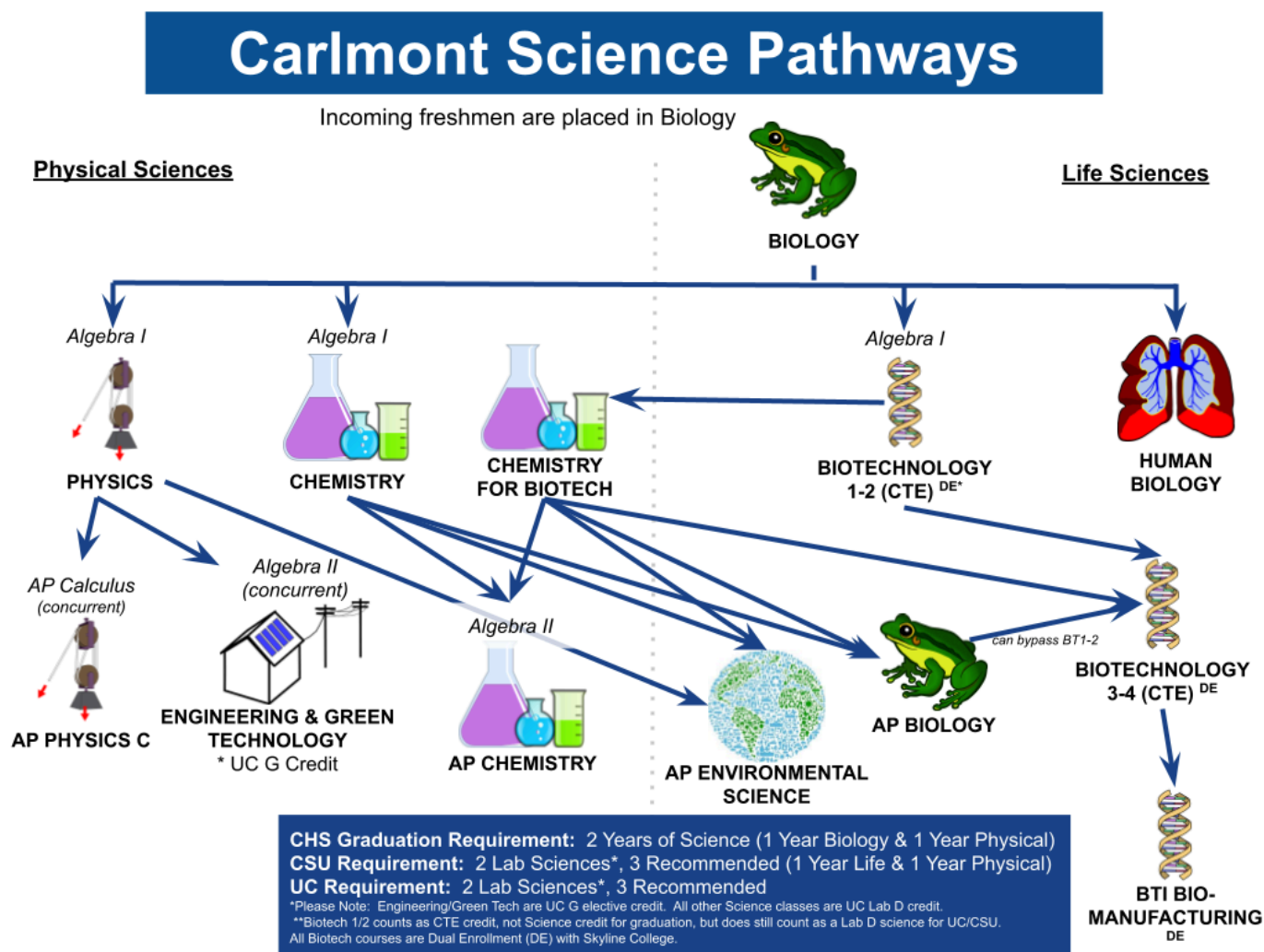
Grades 9-12

Sports Leadership will promote the essential components of character and leadership, develop critical thinking and problem solving skills, build basic skills and prepare students for life after high school, help students create short and long term goals and help students develop strong values and high standards. The course will engage students with a traditional classroom curriculum and a variety of hands-on activities, lessons and projects geared towards enhancing their character development and leadership skills, while learning how to run a high school athletic program. Students will work with their peers to help create a more rewarding athletic experience for Carlmont athletes, the student body and the community. Facility management, game day preparations, website maintenance, athletic training, booster club and special event planning will be emphasized. Guest speakers and/or field trips will be incorporated to expose students to collegiate athletic programs and professional teams. Students will work closely with the administrator in charge of athletics, the athletic director, the athletic trainer, coaches, other leadership classes, journalism, photography and yearbook.

Course Offerings

SCIENCE

Possible pathways:



BIOLOGY-P

Grades 9-12

A one-year laboratory survey course that studies living organisms and their interrelationships. Topics include cell biology, energetics, ecology, genetics, evolution, and system interactions. Questions explored include how organisms live and grow, their interaction with their environment, the basics of inheritance, and species relatedness. A special three-week laboratory unit on biotechnology also emphasizes bioethical issues. This course is UC/CSU approved to meet the “laboratory science” (d) requirement.

AP BIOLOGY-HP

Prerequisite: Successful completion of Biology-P, Chemistry-P, and Algebra I with a grade of B- or better, and department recommendation

Grades 11, 12

This course is equivalent to a two-semester introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: cellular processes, energetics, cell communication, genetics, evolution, and ecology. Emphasis is on developing students' ability to think critically, analyze and interpret data, and express and interrelate biological concepts. The College Board AP labs further develop analytical and critical thinking skills. A variety of inquiry-focused activities, case studies, labs, free-response, and multiple choice-type examinations prepare students for success on the national AP Biology Examination. This course is UC/CSU approved to meet the "laboratory science" (d) requirement.

AP ENVIRONMENTAL SCIENCE - HP

Prerequisite: Successful completion of Biology-P, Chemistry-P or Physics-P, and Algebra I with a grade of B- or better, and department recommendation

Grades 11, 12

This is an introductory college-level course intended to prepare students for the AP Environmental Science Exam. In AP Environmental Science students work towards understanding the interrelationships of the natural world. Topics include ecology, Earth systems, resource management, pollution and climate change. Students will be analyzing solutions and risks of natural and human-made environmental problems. Labwork, fieldwork and discussion of current laws and events surrounding the environment are a focus of the class. This course is UC/CSU approved to meet the "laboratory science" (d) requirement.

HUMAN BIOLOGY-P

Prerequisite: Successful completion of 1 year of Biology-P

Grades 10-12

This course focuses on human nutrition, physiology, behavior, the senses, and genetic disorders. Students explore a variety of issues including pathogenic diseases and health choices. Students also perform dissections on chicken tissue, bull frogs, cow eyes, sheep brains, and fetal pigs. Students also get opportunities to practice hands-on modeling with both digital tools and physical supplies. This course is recommended for students who are interested in learning more about their own anatomy and physiology, and/or students interested in medicine, dentistry, medical terminology, nursing, or any other medical field. This course is UC/CSU approved to meet the "laboratory science" (d) requirement.

CHEMISTRY - P

Prerequisite: Successful completion of Algebra I and Biology or department recommendation.

Grades 10-12

The course follows a logical, sequential development of fundamental chemistry concepts and skills. Core topics include atomic structure, chemical bonding, chemical reactions, gasses, solutions, acids and bases, energy, and kinetics. Students gain extensive laboratory experience, with emphasis on logical analysis and computational skills. This course is UC/CSU approved to meet the "laboratory science" (d) requirement.

AP CHEMISTRY-HP

Prerequisite: Completion of Chemistry with a B or better and completion of Algebra II, and department recommendation

Grades 11, 12

This course is taught as a second year chemistry course due to the amount and degree of difficulty of the material to be covered. Topics that involve qualitative material will be quickly reviewed whereas those involving calculations will be studied in detail (e.g. solutions, thermodynamics, chemical equilibrium, and kinetics). Emphasis is made on problem solving and critical thinking of chemical systems. Laboratory work includes eight guided-inquiry college-level experiments and write-ups in research notebooks. Extensive review and practice examinations prepare students for the national AP Chemistry examination which all students are expected to take. Colleges may offer credit for successful completion of the national exam. This course is UC/CSU approved to meet the "laboratory science" (d) requirement.

PHYSICS – P

Prerequisite: Successful completion of Biology and prior/concurrent enrollment in Geometry

Grades 10 - 12

This course covers the fundamental principles of Physics, including motion, forces, electricity, magnetism, heat, light, and sound waves. Conceptual understanding of the content is gained through hands-on labs and projects. Special emphasis is given to data analysis, problem solving and critical thinking skills. Competence in solving algebraic equations and trigonometry is mandatory. This course is UC/CSU approved to meet the “laboratory science” (d) requirement.

AP PHYSICS - C - Mechanics - HP

Prerequisite: Concurrent enrollment in AP Calculus and successful completion of physics.

Grades 11, 12

This course covers classical mechanics in great depth – motion in 1 and 2 dimensions, rotational motion, forces, energy, rotational dynamics, gravitation and planetary orbits and simple harmonic motion. This course is intended for students with a strong interest in physical science. Concepts are introduced through inquiry-based laboratories, lectures, discussion and readings. Emphasis is on rigorous problem-solving and critical thinking. Competence in trigonometry and algebra, and concurrent enrollment in calculus is mandatory. Colleges may offer credit for successful completion of the national AP exam. This course is UC/CSU approved to meet the “laboratory science” (d) requirement.

ENGINEERING AND GREEN TECHNOLOGY - P Grades 11-12n

Prerequisite: Successful completion of Geometry and at least 2 years of science including Physics.

This year-long course introduces students to the many areas of environmentally conscious development through hands-on projects. Topics and projects may include alternative energy, design thinking, waste management, sustainable development, and structures and bridges. Students may learn the phases of the design process and about the current innovations in Green Technology and can expect to get much practice in how to work cohesively and productively in a team. The class focuses heavily on climate change and how we can combat it. As an elective This course is UC/CSU approved to meet the “elective” (g) requirement.

CTE- BIOTECHNOLOGY 1 & 2-P

Prerequisite: Completion of Algebra I, and for community college credit need Biology with a grade of C- or better.

For students who meet the prerequisite requirements and pass the biotechnology course, dual enrollment credit will be given by Skyline College for successful completion. Units awarded vary by course. More information can be provided by the counselors.

Grades 10-12 (Introductory level)

A one-year laboratory course consisting of two semesters that serves as an introduction to the field of biotechnology. Includes concepts and vocational information. Students will develop laboratory, critical thinking, and communication skills currently used in the biotechnology industry. Through extensive research and workplace experience, students will evaluate career opportunities in the field of biotechnology. As a part of the biotechnology career pathway, students will enroll in Introduction to Biotechnology 1; the next semester they will take Biotechnology 2. Biotechnology 1 & 2 is UC/CSU approved to meet the “laboratory science” (d) requirement for college admissions.

CTE- BIOTECHNOLOGY 3 & 4-P

Prerequisite: Successful completion of Biotechnology 1-2 or AP Biology with a grade of C or better.

For students who meet the prerequisite requirements and pass the biotechnology course, dual enrollment credit will be given by Skyline College for successful completion. Units awarded vary by course. More information can be provided by the counselors.

Grades 11-12 (advanced level)

Biotechnology 3 & 4 are the second two semesters of the four- year Carlmont Biotechnology Career Pathway. Biotechnology 3 & 4 are designed to give students an introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology. Students develop laboratory skills, critical thinking, and communication skills currently used in the biotechnology industry. Through extensive reading, laboratory work, and workplace experiences, students will explore and evaluate career opportunities in the field of biotechnology. Biotechnology 3 & 4 is UC/CSU approved to meet the “laboratory science” (d) requirement for college admissions.

CHEMISTRY FOR BIOTECHNOLOGY- P

Prerequisite: Successful completion of Biotechnology 1-2.

Grades 11, 12

This is a chemistry course for students who have completed and passed CTE-Biotechnology 1 & 2-P. This includes students in Carlmont’s BTI program and students following an independent sequence of courses. Topics and content of this course are similar to chemistry: but topic sequence, labs, and projects have been adjusted to complement the skills and knowledge from the Biotech 1-2 course. Students gain extensive laboratory experience, emphasizing logical analysis and computational skills. Additionally there is a focus on the application of chemistry skills to the field of biotechnology. This course is UC/CSU approved to meet the “laboratory science” (d) requirement.

BIOMANUFACTURING FIELDWORK- P

Prerequisite: Participation in the Biotechnology Institute (BTI) Sophomore and Junior year. Successful completion of Biotechnology 1-2 and Biotechnology 3-4.

For students who meet the prerequisite requirements and pass the biotechnology course, dual enrollment credit will be given by Skyline College for successful completion. Units awarded vary by course. More information can be provided by the counselors.

Grade 12

Biomanufacturing is the culminating class in the Biotechnology Institute. Biomanufacturing is a college-level class designed to give students skills and experience with industry-quality lab experiments and protocols. Students refine laboratory skills, critical thinking, and communication skills currently used in the biotechnology industry through intensive projects involving planning, laboratory work, and manufacturing. Biomanufacturing is a dual enrollment class with Skyline College, earning students college credit upon successful completion, and is UC/CSU approved to meet the “laboratory science” (d) requirement for college admissions.

BIOTECHNOLOGY INSTITUTE: Recognized Leaders in Science Education

Prerequisite: Successful completion of Biology, acceptance into program. Applications due in February.

Grades 10-12

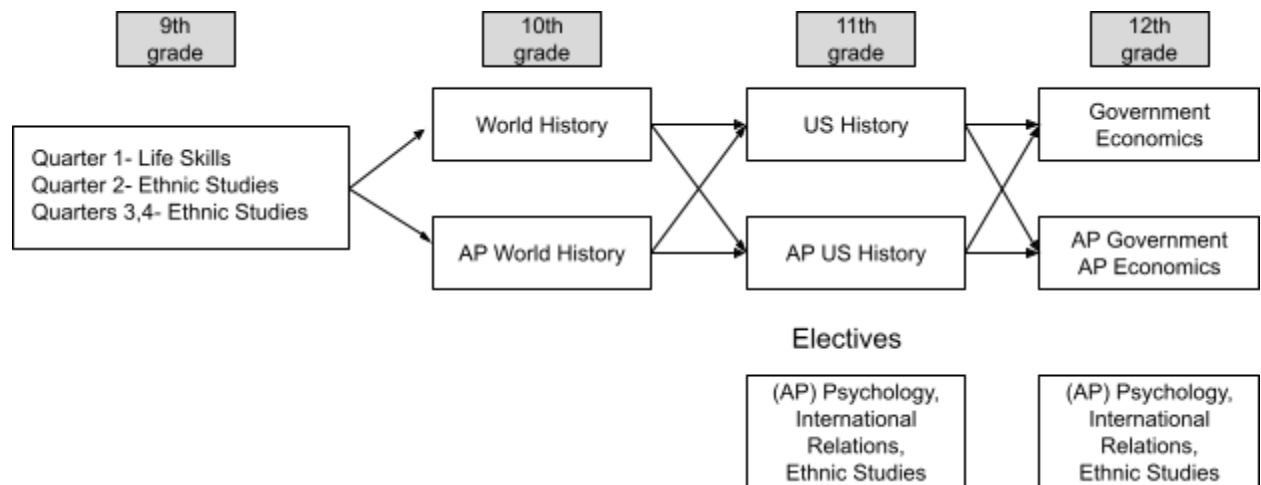
Carlmont High School’s Biotechnology Institute (BTI) is a three-year, cross-curricular program that offers science-themed English and social studies classes as well as a series of courses in biotechnology. Special benefits include access to state-of-the-art lab equipment and facilities; field trips to both start-ups and pioneering companies in the biotechnology industry; and the opportunity to build relationships with professionals in the scientific community through on-campus symposiums, and a year-long mentor program. BTI graduates receive dual enrollment units from Skyline College. For more information, please visit www.carlmontbti.org.

Industry-Driven Biotechnology Pathway

10th Grade	11th Grade	12th Grade
Biotech 1 - 2 (CTE)	Chem for Biotech	Biomanufacturing (Potential CC credit)
Elective (foreign lang)	Biotech 3 - 4 (CTE)	Science Elective
Math Geometry, Alg II, Alg II Trig	Math Alg II, Alg II Trig, or Pre-Calc	Statistics -AP or regular Alg II prereq for Stats Pre-Calc for AP Stats
Modern European History - Biotech History of Science and Technology	US History - Biotech The Innovation that is American	Government and Economics Biotech Contemporary Environmental and Political Issues
English II - Biotech	English III - Biotech	English IV - Biotech
Over the course of three years, English classes will explore bioethics, science fiction, and careers in STEM. Technical writing will also be central to the program.		
PE	Fine Art	Computer Science

Course Offerings

SOCIAL STUDIES



LIFE SKILLS

Grade 9

Life skills is an introductory, quarter-long course that covers mental, emotional, social, personal, and community health, as well as substance abuse. It introduces high school to freshmen, including discussions of high school success skills and goal setting while addressing state- and district-approved Health Education Standards. Using “high school success” as a framework, the course integrates critical academic skills, goal-setting paradigms, and career/college tools. Many of the health concepts such as drug abuse, family communication, suicide, stressors, and disease prevention connect easily to personal applications and decision making skills. Students will regularly revisit their career, academic and personal goals, through the lens of prevention and awareness of key health issues.

ETHNIC STUDIES 1-P & 2-P

Grade 9

Ethnic Studies is a three quarter social science-focused course where students will develop the skills to critically examine local, national, and global histories through the lens of race, gender, and class. This will enable students to identify locations of power and where injustice and oppression exist, to imagine and reshape those systems with the intent of finding joy, solidarity, “collective hope,” and healing. This course aims to leverage existing methodologies to question dominant narratives, systems, and their creation and to establish new ones. The course will center indigeneity, Blackness, race, ethnicity and its intersections to other social categories such as gender and class. Intersectionality and the critical skills of Ethnic Studies are key in our framework and in all our units, departing from a traditional “Ethnic Studies” model that divides each unit into racial categories.

This course is designed to build a foundation for other high school social studies courses, where these lenses and critical analysis will be further honed and utilized in a variety of historical contexts.

WORLD HISTORY 1-P & 2-P

Grade 10

World Studies/History is a two semester survey course that studies major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. Students trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives. This course meets California standards for tenth grade HISTORY.

AP WORLD HISTORY-HP

Prerequisite: Student performance, teacher recommendation, and successful completion of Ethnic Studies 1 & 2.

Grade 10

AP World History is designed for students who are performing above the high school level, have a consistently strong work ethic, and enjoy the study of history. This one-year course of study is based on the 10th grade California Social Science and National Advanced Placement standards. The course covers the span of World History from roughly 1200 to the present. In addition to providing a basic narrative of events and movements, the goals of AP World History are to develop (a) an understanding of some of the principal themes in modern world history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students that successfully navigate this class will be prepared to take the AP World History national exam in May and may earn college credit for this course.

U.S. HISTORY-P

Grade 11

U.S. History is designed for students who are performing at the eleventh grade level.

A one-year course of study based on the 11th grade California Social Science Standards. The objectives of this course include the study of the development of U.S. political, economic and social institutions from progressivism to present, and preparation for competency as citizens in a democratic society through an understanding of American political traditions.

AP U.S. HISTORY-HP

Prerequisite: Student performance and teacher recommendation.

Grade 11

AP U.S. History is designed for students who are performing above the high school level, have a consistently strong work ethic, and who enjoy the in-depth study of American history and government.

This one-year course of study is based on the 11th grade California Social Science and National Advanced Placement standards. This course is organized under the guidelines established by the College Board to prepare students for the national AP examination. This course covers the entire span of United States History; is an in-depth study of the development of American political, economic, and social institutions; includes selected interpretive study of ideas, issues, analytical materials, and biographical information. Students in this class will take the AP U.S. History national exam in May and may earn college credit for this course.

ECONOMICS-P

Grade 12

Economics is designed for students who are performing at the 12th grade level. This is a one semester course of study based on the California content standards for economics. It is designed to allow students to master fundamental economic concepts, the basic economic principles of micro- and macroeconomics, international economics, and comparative economic systems.

AP MICROECONOMICS-HP

Prerequisite: Student performance and teacher recommendation.

Grade 12

AP Micro is designed for students who are performing above the high school level, have a consistently strong work ethic, and who enjoy the in-depth study of economics.

This one-semester course will focus on microeconomics, examining in-depth basic economic theory and specific aspects of our economy as related to consumers, businesses, and our government. Based on the National Advanced Placement Standards for microeconomics, it is designed to prepare students to be successful on the national AP examination. As well, the course will review all of the California content standards for high school economics, including basic macroeconomics.

AMERICAN GOVERNMENT-P

Grade 12

American Government is designed for students who are performing at the 12th grade level.

This one semester course of study is based on the California content standards for American government. It provides an understanding of the institutions of American government, comparing systems of government in the world today and analyzing the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judicial branches.

AP AMERICAN GOVERNMENT-HP

Prerequisites: Successful student performance in US History and teacher recommendation.

Grade 12

AP American Government is designed for students who are performing above the high school level, have a consistently strong work ethic, and who enjoy the in-depth study of American government and politics.

This one-semester course is based on the 12th grade California Social Science and National Advanced Placement standards. This course is organized under the guidelines established by the College Board and provides an analytical perspective on government and politics in the U.S. Students in this class will take the AP American Government national exam in May and may earn college credit for this course.

PSYCHOLOGY-P (Elective)

Grades 11, 12

This elective course is a two-semester survey that explores the field of psychology including: History and Approaches; The Brain; Motivation; Consciousness; Human Development; Learning; Memory; Personality; Disorders and Treatment; and Social Psychology. Completing both semesters of this course is necessary to meet the UC requirement for the “g” elective.

AP PSYCHOLOGY-P (Elective)

Prerequisite: Desire to take a challenging course and complete college-level work.

Grades 11, 12

This two-semester, college-level survey course prepares students for the AP Psychology Exam. It explores the field of psychology including: History and Approaches; Research Methods; The Brain; Sensation and Perception; Motivation, Emotion and Stress; Consciousness; Human Development; Learning; Cognition; Intelligence; Personality Theory; Disorders and Treatment; and Social Psychology. There is no summer homework and no homework over winter break. Completing both semesters of this course is necessary to meet the UC requirement for the “g” elective.

ETHNIC STUDIES: RACE, ETHNICITY, AND IMMIGRATION- P (Elective)

Grades 11, 12

This elective course is a two-semester survey that explores the topic of race and ethnicity through sociological, historical, political, and economic lenses. Topics include racial and ethnic identity, struggles and contributions of underrepresented racial and social groups in American history, and evidence based analysis of the current impact of racial identity on housing, employment, education, and the justice system. Students will engage in reading, writing, research, evidence based argumentation, group collaboration, and high level critical thinking. Completing both semesters of this course is necessary to meet the UC requirement for the "g" elective.

Course Offerings

VISUAL & PERFORMING ARTS

ART

Unless noted, all courses are year-long, UC “f” approved.

***ART 1-P**

Grades 9-12

This class is designed to introduce the new art student to the world of art. The student will learn artistic concepts and fundamentals within a framework of learning about cultural world art. The art student will create 2 dimensional and 3 dimensional art, and be exposed to a variety of techniques including, but not exclusively, watercolors, clay, papier mache, book-making, collage, jewelry design, ceramics, painting, and drawing, and much more. Students need not have prior art experience.

DIGITAL ARTS 1:

Grades 9-12

In this course, students are introduced to and become familiar with three digital tools in the Adobe Creative Suite: Photoshop, Illustrator, and Premiere Pro. Emphasis is placed on the creative process as students learn how to use these digital tools to visually communicate their own vision, opinions, and passions. Emphasis is placed on supporting imagination and creativity! Students will explore the artforms of video editing, photo manipulation and digital illustration as they also explore how these skillsets translate into many different professional fields.

DIGITAL ARTS 2:

Grades 10-12

This class is for students who have already taken Digital Arts I. It focuses on developing each student’s artistic interests, voice and studio habits. General themes will be provided as students work with the teacher to dive into technical and conceptual topics that are of interest to the student and his/her/their future artistic goals.

***CERAMICS I-P**

Prerequisite: Previous art class is highly recommended.

Grades 11, 12

This course is a technical and aesthetic exploration of three-dimensional design through the medium of clay. The course will include two-dimensional basic drawing and layout skills. The student will participate in a wide range of experiences using additive and subtractive sculpture techniques designed to build artistic and creative confidence. The products created in this course may serve as functional items or fine art works. Topics will be supported by homework in some or all of the following areas: writing, reading, computer work, and portfolio development.

***CERAMICS II-P**

Prerequisite: Ceramics I-P with letter grade B or better or consent of instructor.

Grades 11, 12

Advanced Ceramics is a course offering the serious visual art student a way to expand upon his/her creative expression, aesthetic valuing, perceptions, and historical and cultural context. Particular attention is given to student recognition and application of the relationships of the visual arts toward various ways the arts are used to create expressive communication. Students will compile enough work to demonstrate their abilities and techniques through the use of a portfolio, which can be used for college entrance or employment in a visual art field. Topics will be supported by homework in some or all of the following areas: writing, reading, computer work, and portfolio development.

ILLUSTRATION & DESIGN-P / CTE GRAPHIC DESIGN & ILLUSTRATION-P

Prerequisite: Previous art experience is recommended, or entrance via teacher approval.

Grades 10-12

This course is designed to introduce the art student to more advanced drawing and design techniques. The students will create commercial art-based work, such as editorial illustration, tattoo design, text design, cartoon illustration, product and logo design, and much more. The media used includes pen and ink, paint, watercolors, airbrushing, silk-screening, digital illustration via Procreate on iPads and more. This class will improve your drawing and painting skills as well. This class can help prepare the student for a career in commercial art and students can create portfolios. For students enrolled in the CTE section, there is emphasis on digital illustration and design and career-related projects. CTE Approved

ILLUSTRATION & DESIGN II-P

Prerequisite: Illustration & Design I or entrance via teacher approval.

Grades 10-12

This course is offered to students who have completed Illustration and Design 1 in high standing (an A or B) and/or have teacher approval. This class is designed for students who want to have a serious career focus in their artistic experience and are willing to do rigorous work in creating a professional portfolio and to learn advanced art techniques within the illustration and design fields. Students must be highly motivated, creative, and independent learners and artists. Students will finish this class “art career-ready.” This is for students who are confident in their technique and are looking for creative inspiration. All artistic mediums, including digital, are encouraged in this class.

***DIGITAL PHOTOGRAPHY I-P**

Prerequisite: Previous art class is highly recommended.

Grades 10-12

This is an introductory course in which students will learn the manual functions of the camera, editing and other tools in Photoshop and how to develop good compositions and creative photographs. Students have access to cameras if needed and work in a lighting studio. Students will take photographs on and off campus.

*** DIGITAL PHOTOGRAPHY II-P**

Prerequisite: Photography I-P with letter grade B or better or consent of instructor.

Grades 11, 12

This is an advanced course concentrated on the creative aspect of photography, in which students develop their style, build a portfolio that shows diversity, create a theme and learn advanced editing techniques. Cameras, a variety of lenses and a lighting studio are provided.

Photographs will mostly be taken off campus.

STUDIO ART-P

Prerequisite: Two years of high school visual arts course work and/or interview with instructor and portfolio review.

Grades 10, 11,12

Art Studio concentrates on building a well-rounded portfolio centered around developing one’s style. The media used are drawing, water base and oil base painting, printmaking, charcoal and conte, colored pencil and mixed media. Observational drawing and painting skills will be developed in still life and portraiture while most other projects are conceptual, creating stylized pieces. The art pieces are geared to be used in an AP or college portfolio if needed.

***AP ART STUDIO:--HP**

Prerequisite for an art portfolio- Art Studio or entrance via teacher approval.

Prerequisite for a photo portfolio- Photo 1 or 2 or entrance via teacher approval.

Grades 11,12

This is an advanced course that requires students to do a theme-based portfolio in any 2 dimensional media such as drawing, painting, design, digital work, photography, etc. The topic can be based on anything as process is shown such as notes, sketches, references, etc. and roughly 9 final pieces for art and 12 for photography. The work is uploaded to the AP site. 5 artworks are also mailed in to the college board that should show high quality. These works can be taken from the theme or any other completed artwork of high quality. Photo students have additional photos assigned of a variety of themes and have access to cameras, lenses and a lighting studio.

**Students will develop a portfolio of artwork to be presented for Advanced Placement credit.

**Student lab fees may apply for portfolio development.

DRAMA

***DRAMA I (Introduction to Theatre)-P**

Grades 9 - 12

This course is a beginning exploration into all areas of the dramatic arts. We will begin with a study of improvisation and theater games as well as explore the origins of theater history beginning with Greek and Roman drama. Throughout the year, we continue studying theater history and will cover such periods as Medieval, Elizabethan, Commedia del Arte and Modern Theater. We will learn stage directions and presence as well as a variety of acting techniques such as pantomime, monologue and scene study and character analysis. We will focus on the basics for stage work such as blocking and movement, voice and diction and script analysis. Stage combat, make-up, introduction to stagecraft, Children's Theater and Reader's Theater will also be included in the year long course.

***DRAMA II (Acting & Directing)-P**

Prerequisite: Audition required

Grades 10 - 12

This course is an in depth study into areas of acting, directing, play analysis, playwriting and Shakespearean and 20th century world theater styles. Drama II builds upon the concepts introduced in Drama I, by allowing the students to experience a wider variety of acting methods and techniques. The course begins with a unit on improvisation and theater games and the skills learned will be practiced and reinforced throughout the year. Historical studies of Modern Theater styles include Realism, Naturalism and Post/Modern or Absurd Theater. Four standard dialects will be learned including British, Cockney, American Southern and Irish. Students will have the opportunity to write an original scene and perform it as well as perform scenes from Children's Theater for children's audiences. A One-Act Play Festival that is student produced and directed is put on in the spring by the Advanced students and a Drama Showcase culminates the year.

***DRAMA III-P**

Prerequisite: Audition required

Grades 10-12

Students in Drama III will continue to develop their acting, vocal and playwriting technique, while being given the opportunity for the first time to produce and direct their peers. Students in Drama III-IV select scripts for the annual One Act Festival in the spring, cast the shows, direct or co-direct a one-act as well as perform all the tasks necessary for production including lighting, set and make-up design. The students find all their own costumes and props as well as design sound for their individual shows. In addition to these responsibilities, the Drama III-IV students create and distribute publicity material for the One Act Festival. As directors, they set rehearsal schedules, create the blocking or movement for their actors and provide any assistance with character development. Students who choose not to be directors can choose to perform such duties as Stage Manager, Producer or Stage Crew member. All Advanced Drama students are involved in the Children's Theater performances as well as have the opportunity to perform in the Drama Showcase.

***DRAMA IV-P**

Prerequisite: Audition required

Grades 10-12

Drama IV is the culminating course for students who have had three prior years' experience in Drama class, or its equivalent in classes. The course is an in-depth, hands-on workshop environment focusing on acting, directing, producing and/or technical theatre. Special emphasis is placed on further developing the individual student's approach to performance and production in class and through community outreach performances (local elementary and middle schools, mall venues, etc.) The student's work is then tailored within the perimeters of the class to help them clearly define and execute their after high school plans in relation to the field of theatre arts and other related fields of study. Emphasis continues to be placed on historical and contemporary performance theories for theatre, film and TV. Students continue to gain experience using performance theories for greater character development, analysis of dramatic literature, dramaturgy and playwriting.

DANCE

***INTERMEDIATE DANCE-P**

Prerequisite: Teacher recommendation

Grades 10 –12

This course is designed for those students who have attained a proficient level of Beginning Dance (or the equivalent). Intermediate Dance involves student participation in various aspects of movement. It will continue to enhance their aesthetic perception and valuing, creative expression, and the study of dance heritage. Various activities and performances throughout the course will accomplish these goals. By further expressing, exploring and creating, students will build upon existing knowledge of this movement

art. All students will perform in the spring dance show. This course meets the PE or the fine arts graduation requirement as well as the UC “P” requirement.

***ADVANCED DANCE XL-P**

Prerequisite: Teacher recommendation

Grades 10 –12

This course is designed as a technique, choreography and performance class. This class is meant to provide a more challenging level of technique and choreographic assignments for students who have moved up from Intermediate Dance as well as offering a challenge to new members of the program. Advanced Dance involves student participation in various aspects of movement. It will continue to enhance their aesthetic perception and valuing, creative expression and the study of dance heritage. Various activities and performances throughout the course will accomplish these goals. By further expressing, exploring and creating, students will build upon existing knowledge of their movement art. All students will perform in the spring dance show. This course meets the PE or the fine arts graduation requirement as well as the UC “P” requirement.

For beginning dance, see physical education.

MUSIC

+*Band II (Concert Band)-P

Prerequisite: At least two years instrumental experience or by teacher approval.

Grades 9-12

Emphasis on rehearsal and performance techniques of standard and current band literature and is the first step into the Carlmont band program. Performs for concerts and band festivals. Band II is an intermediate level band. Meets the CTE graduation requirement. May be repeated for credit.

+*ADVANCED BAND (Symphonic Band)-P

Prerequisite: Admission by audition only. Contact Mr. Switzer or Ms. Webster to schedule an audition.

Grades 10-12 and by audition for Grade 9

Intense study of standard and current band literature. Performs for concerts, band festivals, school, and community activities. Spring musical orchestra members are selected from this group. May be repeated for credit.

+*JAZZ ENSEMBLE-P

Prerequisite: Admission by audition only. Contact Mr. Switzer or Ms. Webster to schedule an audition.

Grades 10-12 and by audition for Grade 9 to schedule an audition.

Grades 9-12 by audition and teacher approval.

Rehearses and performs advanced level standard and current big band jazz literature written for the following instruments: saxophones, trumpets, trombones and rhythm section. Performs for concerts, jazz festivals, and school and community activities. Spring musical orchestra members are selected from this group. May be repeated for credit.

+*STRING ORCHESTRA (Intermediate Orchestra)-P

Prerequisite: At least two years instrumental experience or by teacher approval. Contact Mr. Switzer or Ms. Webster to schedule an audition.

Grades 10-12 and by audition for Grade 9

Grades 9-12

Emphasis on rehearsal/performance techniques of standard and current string orchestra literature and is the first step into the Carlmont orchestra program. Performs for concerts and orchestra festivals. This course is an intermediate level string class. May be repeated for credit.

+*SYMPHONY ORCHESTRA (Advanced Orchestra)-P

Prerequisite: Admission by audition only. Contact Mr. Switzer or Ms. Webster to schedule an audition.

Grades 10-12 and by audition for Grade 9 to schedule an audition.

Study of standard and current full orchestral literature. This is an advanced performing ensemble composed of orchestral strings, winds and percussion. Spring musical orchestra members are selected from this group. This group performs for concerts, orchestra festivals and community activities. Open to advanced players by audition only. May be repeated for credit.

CHOIR

***CHORAL I (Women's Choir/Highlanders)-P**

Grades 9-12

Choral I requires no prior singing or musical experience to join. We will sing and perform music written for beginning/intermediate SA (Women's Choir) and SATB (Highlanders) voices and explore concepts of basic vocal technique, music theory and sight singing. Students who have sung in Choral I are eligible to join Concert Choir their second year. Annual Spring Tour. May be repeated for credit.

+*CHORAL II (Concert Choir)-P

Prerequisite: Successful completion of Choral I or by placement assessment. Visit www.carlmontchoirs.com to schedule a placement assessment.

Grades 9-12

Concert Choir is designed for SATB intermediate singers. This class is open to all choir students who have successfully completed a year in Choral I. We will continue to explore vocal technique, music theory, and sight singing. Annual Tour. Good citizenship is required. May be repeated for credit.

+*CHORAL II (Treble Clef)-P

Prerequisite: Placement assessment, visit www.carlmontchoirs.com to schedule a placement assessment.

Grades 9-12

Treble Clef is designed for advanced singers. We will continue to explore vocal technique, music theory, and sight singing. Music is challenging university level SSAA/SSA Repertoire. This class will also participate in spring choral festivals and competitions. Annual Spring Tour. Good citizenship is required. May be repeated for credit.

+*ADVANCED CHORAL (Chamber Singers)-P

Prerequisite: Placement assessment, visit www.carlmontchoirs.com to schedule a placement assessment.

Grades 9-12

Chamber Singers is an auditioned group of experienced singers. Music is challenging university level SATB div. repertoire. This is the top choir at Carlmont High School and expectations are high. Expect to be challenged! Competitions and festivals will be a required part of participation in this choir. Annual Tour. Good citizenship required. May be repeated for credit.

Course Offerings

WORLD LANGUAGE

NOTE: * = 3rd year of WL will satisfy CTE graduation requirement

CHINESE I-P OR FRENCH I-P OR SPANISH I-P

Grades 9-12

Practical mastery of skills necessary for understanding, speaking, reading, and writing the language; teaching of basic grammatical structures; appreciation of the culture and heritage of the countries in which the language is spoken.

CHINESE II-P OR FRENCH II-P OR SPANISH II-P

Suggested Prerequisite: Completion of Chinese I or French I or Spanish I with a C or better or department recommendation.

Grades 9-12

Continuation of Chinese I, French I or Spanish I; intensified study in the basic skills: listening, reading, speaking, and writing, (& typing for Chinese) as well as a progression to intermediate grammar structures; emphasis on vocabulary enrichment; introduction to literature; and appreciation of the culture and heritage of the countries in which the language is spoken. The class is conducted mostly in the target language.

***+CHINESE III-P OR FRENCH III-P OR SPANISH III-P**

Suggested Prerequisite: Completion of Chinese II or French II or Spanish II with a C or better or department recommendation.

Grades 10-12

Continuation of Chinese I, French II or Spanish II; refinement of the four basic skills; study of advanced grammar structures, development of composition skills; additional reading in the literature; appreciation of the culture and heritage of the countries in which the language is spoken. The class is conducted principally in the target language.

***+CHINESE III-P OR FRENCH III-HP (HONORS) OR SPANISH III-HP (HONORS)**

Prerequisite: Completion of Chinese II or French II or Spanish II with a B+ or better and teacher recommendation.

Grades 10-12

Continuation of Chinese II, French II, or Spanish II, refinement of the four basic skills, study of advanced grammar structures, development of composition skills, additional reading of literature, appreciation of the culture and heritage of the countries in which the language is spoken. This course also provides preparation for the AP level French or Spanish courses which includes an introduction to test taking skills. The class is conducted principally in Chinese, French, or Spanish. This course is a prerequisite for those students wishing to study in the AP Chinese, AP French, or AP Spanish program.

+CHINESE IV-P OR FRENCH IV-P OR SPANISH IV-P

Suggested Prerequisite: Completion of Chinese IV, French III, or Spanish III with a C or better or department recommendation.

Grades 10-12

Continuation of Chinese III, French III, or Spanish III; appreciation of the culture and heritage of the countries in which the language is spoken; emphasis on literature and culture with vocabulary building, composition, and oral competency. The class is conducted entirely in the target language..

SPANISH II-NS-P *(for the native speaker)* (not offered 2022-2023)

Prerequisite: Ability to understand and communicate verbally in Spanish and be able to write simple basic sentences.

Grades 9-12

Department recommendation by Spanish for Native Speakers teacher preferred. Beginning course designed for students who speak Spanish but wish to improve their reading, writing, speaking, and vocabulary skills. This literature-based course includes basic principles of composition, grammar, spelling, sentence structure, punctuation, accents, and paragraph organization. The literature component includes the study of Latin American and Spanish literature and culture with selections from novels, myths, short stories, plays, and poetry. Class is conducted entirely in Spanish.

+SPANISH III-NS-P *(for the native speaker)* (not offered 2022-2023)

Suggested Prerequisite: Completion of Spanish for Native Speakers II with a C or better or teacher recommendation.

Grades 9-12

Intermediate course of study in literature and composition; in-depth study of the indigenous civilizations and cultures of Hispanic America and Spanish settlements in southwestern United States; instruction in writing compositions. Career research component. Continued focus and study of Latin American and Spanish literature and culture with more selections of novels, myths, short stories, plays, and poetry. Class is conducted entirely in Spanish.

Course Offerings

NON DEPARTMENTAL

AP CAPSTONE

AP SEMINAR-P (ELECTIVE)

Prerequisite: None

Grade 11

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. This course is an English elective and does not count towards the required 40 credits of English classes. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

AP RESEARCH (ELECTIVE)

Prerequisite: AP-Seminar

Grade 12

AP Research is the second course in the AP Capstone sequence. It allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design a yearlong investigation to address a research question. Students reflect on their skill development, document their processes, and curate artifacts. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense.

AVID

AVID I, II, III, IV-P

Prerequisite: The AVID staff selects students through an application process. Students can apply at the end of their 8th grade year, or as a current freshman or sophomore to join the following semester.

Grades 9-12

AVID (Advancement via Individual Determination) prepares motivated students in “the academic middle” for a four-year college by encouraging them to enroll in the rigorous curriculum and supporting them in their classes. Curriculum includes study skills, note taking, writing, test preparation (PSAT, SAT, ACT), and organization to ensure that students are ready academically for college. The class awards elective credit and includes tutoring, field trips to colleges, speakers, college application and scholarship help, and motivational activities.

LEADERSHIP

STUDENT LEADERSHIP (ASB) - P

Prerequisite: Officers are elected by their peers. Commissioners are appointed via an interview process.

Grades 9-12

Leadership – A.S.B. is a course that incorporates all elements of Leadership 1 and 2 and utilizes those skills to plan, organize, and produce all of the student government activities. It is specifically designed for those students who are either elected in as officers or appointed as commissioners. Students in A.S.B. must demonstrate proficiency at the Leadership 1 and 2 levels.

LEADERSHIP I - P

Grade 9

Leadership 1 is a course designed to actively engage students in a variety of hands-on activities, lessons, and projects that will teach them the basic skills of leadership. Students participating in this course will be able to:

1. Demonstrate responsible personal and social behavior.
2. Demonstrate the ability to use effective interpersonal skills.
3. Demonstrate the ability to use the decision-making skills of appropriate goal setting, risk taking, and problem solving.
4. Understand that challenge, enjoyment, creativity, self-expression and social interaction are important, life-enhancing experiences and are found in this curriculum.
5. Demonstrate an understanding of and respect for differences.

COMMUNITY SERVICE LEADERSHIP - P

Grades 10-12

Community Service Leadership is a course that will build on the basic knowledge gained in Leadership 1. Students will utilize work-based/workplace learning experiences to demonstrate and expand upon knowledge and skills gained during classroom instruction. Students will also work with peers to promote divergent and creative activities that benefit the student body using effective leadership, group dynamics, team and individual decision making, and conflict resolution. Students must demonstrate proficiency at the Leadership 1 level to be eligible for Community Service Leadership.

SPORTS LEADERSHIP-P

Prerequisite: none

Grades 9-12

Sports Leadership will promote the essential components of character and leadership, develop critical thinking and problem solving skills, build basic skills and prepare students for life after high school, help students create short and long term goals and help students develop strong values and high standards. The course will engage students with a traditional classroom curriculum and a variety of hands-on activities, lessons and projects geared towards enhancing their character development and leadership skills, while learning how to run a high school athletic program. Students will work with their peers to help create a more rewarding athletic experience for Carlmont athletes, the student body and the community. Facility management, game day preparations, website maintenance, athletic training, booster club and special event planning will be emphasized. Guest speakers and/or field trips will be incorporated to expose students to collegiate athletic programs and professional teams. Students will work closely with the administrator in charge of athletics, the athletic director, the athletic trainer, coaches, other leadership classes, journalism, photography and yearbook.

ASSISTANCE / SUPPORT

STUDENT CLERK

NOTE: 2.5 units of credit per semester (half the credits of regular courses).

Grades 10-12

Assistance in school offices or helping individual teachers, performing services such as typing, data entry, record-keeping, and filing.

TECHNICAL ASSISTANT

Grades 10-12

Assistance to teachers as laboratory aides, locating and preparing materials for laboratory setups, acting as peer tutors, translating materials. Assisting in school offices by answering main switchboard, office and copy machine operation and maintenance duties, delivering messages, and miscellaneous office duties.

STUDY SKILLS

Grades 9-12

A support class offered to students through the IEP process. Students will work with a case manager to receive assistance with classes, organizations skills, and IEP goals.

PHOENIX

Grades 10-12

Students enrolled in this course are recovering credits or improving a grade to be a-g eligible. Carlmont uses Edgenuity software to facilitate credit recovery in a variety of subjects. **Edgenuity classes are College Board, A-G approved but not approved through NCAA for collegiate athletes.**

Carlmont High School Programs and CTE Pathways

CHS has two programs beginning in the 10th grade: Media Arts and the Biotechnology Institute. 10th grade students are also able to take advantage of several CTE Pathways: Marketing and Computer Science.

Both Media Arts and BTI require students to apply for the program. Both programs include CTE classes and dual enrollment courses..

BIOTECHNOLOGY INSTITUTE: Recognized Leaders in Science Education

Students must successfully complete Biology and apply to be accepted into the program. Applications go out second semester and are due in February. Students begin in the 10th grade and participate in a small learning community in their English, Science, and Social Studies classes through their Senior year. This three-year, cross-curricular program offers Science-themed English and Social Studies classes along with Science and CTE classes in Biotechnology. Students have the opportunity to build relationships with professionals in the scientific community through on-campus symposiums and a year-long mentor program. BTI graduates receive dual enrollment units from Skyline College. For more information, please visit www.carlmonbtbi.org and page 31 of this Program Planning Handbook.

MEDIA ARTS PROGRAM

Students interested in journalism and yearbook should consider the Media Arts Pathway. Applications go out second semester and are due in February. The objective of this pathway is to give participants the necessary skills for jobs in communications, journalism, publication, graphic design, and more. Students begin in the 10th grade with an English class focused on non-fiction readings and writing. Students may be in AS or CP English. Students will also take an Art elective of their choice and go into Journalism or Yearbook their junior and senior years. Students who participate in this pathway all three years will fulfill their Fine Art and CTE requirements. Some of the courses in this program are articulated with community colleges. For more information, contact Mr. Raisner jraisner@seq.org and see page 19 of this Program Planning Handbook.

MARKETING PATHWAY

Carlmont's Marketing Pathway is for students interested in exploring the world of business. The two-course pathway includes Introduction to Business and Marketing Communications. Both classes are modeled after equivalent community college courses and students will receive college credits upon successful completion.

Using both creative and systems processes, students will develop marketing concepts and principles and their practical application in marketing and management. Subject matter includes market research, economics, marketing budgets, creative development and design, and marketing foundations/functions with emphasis on public relations, advertising, branding, promotion, product/service management, pricing and distribution. Specialized programs of study in this field may include sports marketing, hospitality marketing, advertising or market research. See page 34 of this Program Planning Handbook for course descriptions or contact John Rowe jrowe@seq.org

COMPUTER SCIENCE PATHWAY

Carlmont offers four computer science classes that can be taken as a pathway or individually as stand-alone. This pathway offers introductory, CTE, honors, and AP classes. Many classes are articulated with community colleges. Students who progress through the pathway will use the programming language App Inventor to build apps, develop computational programming skills in the Java language, the Python programming language, and C and MIPS Assembly for the Machine Architecture capstone class. For more information, review this Program Planning Handbook on page 15 or contact Karyn Voldstad kvoldstad@seq.org

CTE Summary:

Course ID	Course Name	CTE (Y/N)	Honors (Y/N)
768101	CTE Biotechnology I-II-P	Yes	No
768102	CTE Biotechnology III-IV-P	Yes & lab Science	No
173403	Biomanufacturing Field Work-P	No	No
761105	CTE Digital Journalism II-P	Yes	No
761106	CTE Digital Journalism III-P	Yes	No
770302	CTE Intro to Programming - Mobile Apps -P	Yes	No
770310	CTE Adv Com Sci Struc&Inter-HP	Yes	Yes
770311	AP Computer Science A: Java-HP	No	Yes
770312	Advanced Com Sci Machine Arch-HP	Yes	Yes
771100	CTE Intro to Business-P	Yes	No
771101	CTE Marketing Communications -HP	Yes	Yes
871119	CTE Graphic Design and Illustration-P	Yes	No