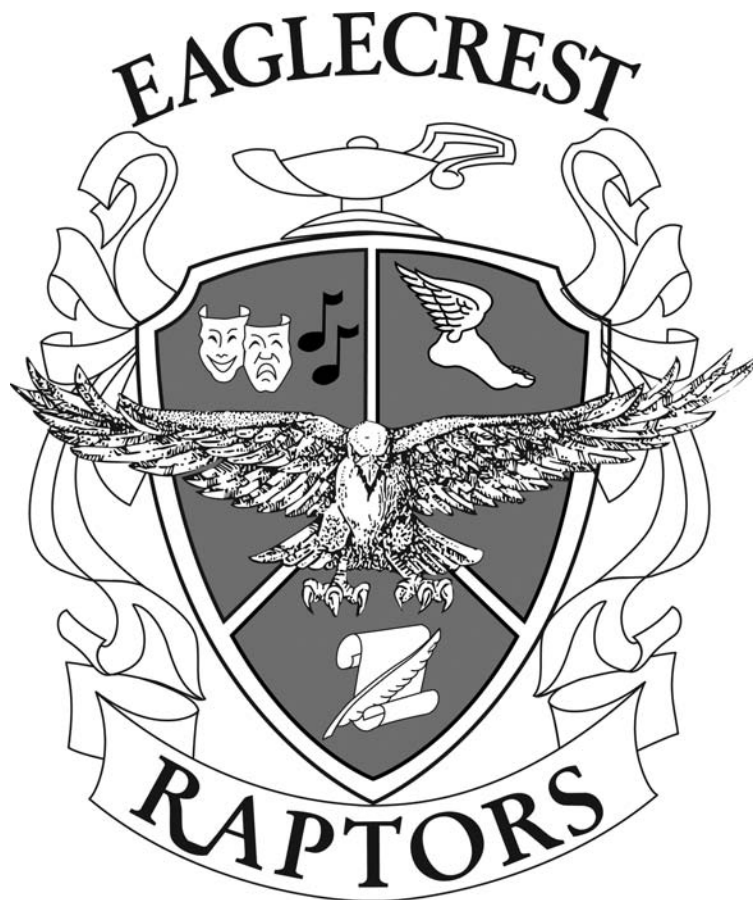


# Eaglecrest High School

5100 South Picadilly Street, Centennial, Colorado 80015 • 720-886-1000



**2012-2013**

**Course Description and Registration Guide**

# *Dedicated to Excellence*



Cherry Creek Schools

*“To inspire every student  
to think,  
to learn,  
to achieve,  
to care.”*

# INTRODUCTION

Welcome to Eaglecrest High School! This course description and registration guide has been developed to assist you in planning a course of study for your high school years.

The guide contains Cherry Creek School District graduation requirements, college admission criteria, Advanced Placement information, and descriptions of all the courses that will be offered at EHS for the 2012-2013 school year.

Review all of this information and work with your parents to plan your own course of study.

Your choice of courses should be based on graduation requirements, teacher recommendations, your interests and abilities, your past achievements, and your post high school plans.

It is important to note that some of the elective courses listed in this guide may not be offered if not enough students request the courses. Select alternate elective choices in case your first choice cannot be offered. (Please see registration form for specific instructions.)

## Registration Procedure for 2012-2013

1. Each student will have access to a course description and registration guide. You may view the course guide on the EHS website or visit counseling.
2. Each student will complete a registration form indicating the courses desired for the 2012-2013 school year. **Parent signature is required and many courses require teacher recommendations and signatures.** Students will complete online registration by mathematics classes in the EHS Computer Lab.
3. Ninth graders must enroll in seven classes plus Raptor 101, eleventh graders must enroll in six classes, and twelfth graders a minimum of five classes per semester.
4. Eaglecrest High School will develop a master schedule of courses based upon the pre-registration requests.
5. **Choose your courses and alternates carefully as schedule change opportunities are very limited.** It is our expectation that students will take the courses they request.

Please think carefully about your course selections for next year. Talk to your parent, teachers, and counselor. The Counseling Department, faculty, and administration are available to offer assistance in your decision-making process.

## CHERRY CREEK SCHOOL DISTRICT GRADUATION REQUIREMENTS

SUBJECT	UNITS
English	4.0 Units
Mathematics	3.0 Units
Science	3.0 Units
Social Studies	3.0 Units (including 1.0 US History and 0.5 Government)
Physical Education	1.5 Units
Health	.5 Units
Fine Arts, Industrial Education, or Career & Technical Education	1.5 Units
Other	5.5 Credits
<b>TOTAL</b>	<b>22.0 UNITS</b>

\*Academic core subjects include English, math, science, social studies, and world languages. All students must enroll in a minimum of four academic core units per year or three AP courses. Any consideration of a waiver of this expectation will be approved on an individual basis by the principal or administrative designee. Academic waiver requirements must be submitted on form IKF-1-E.

Students may participate in an Eaglecrest High School graduation ceremony only when all of the above Cherry Creek Graduation Requirements have been completed. Students who must attend summer school to complete **all** of their graduation requirements are eligible to participate in a summer commencement held in August.

# PROGRAM PLANNING GUIDELINES

Eaglecrest High School expects every student to embark on a rigorous program of study, combined by appropriate course choices. Extensive coursework, both core and elective is an important factor towards gaining admission to selected colleges and universities. We encourage parents and students to work together in order to align the student's academic choices with a four-year plan that culminates in admission to the college or university of choice.

The following pages are intended to serve as a guide for parents and students in planning a program of study that best matches their goals. What follows are test score minimums and recommendations for course work of various national and state colleges and universities. The beginning of each academic discipline's course page presents a recommendation, from the faculty of the department, for a program of study based on post high school plans

## DEFINITIONS

**Credit:** Recognition that a student has fulfilled a requirement leading to high school graduation. Awarded in units.

**Unit:** A measure of credit earned in a course. One unit of credit equals two successfully completed semesters of coursework.

**1/2 Unit:** A measure of credit equivalent to one semester (18 weeks) of successfully completed coursework.

**Grade Points**

Points assigned to each course credit in accordance with the letter grade earned in the course.

**Regular Grade Points Honors Grade Points**

- A = 4 grade points    A = 5 grade points
- B = 3 grade points    B = 4 grade points
- C = 2 grade points    C = 3 grade points
- D = 1 grade point    D = 1 grade points
- F = 0 grade points    F = 0 grade points

**Cumulative Grade Point Average:**

The average obtained by dividing the total number of grade points earned in high school by the total number of credits attempted.

**Current Grade Point Average:**

The average obtained by dividing the total of the grade points earned during the current grading period by the total number of credits attempted during the current grading period.

**Rank In Class**

A student's relative standing in his or her class, determined by comparing the cumulative grade point averages of all students in the class. Class rank is based on weighted grades.

## COLORADO COLLEGE ADMISSIONS REQUIREMENTS

In 2003, the Colorado Commission on Higher Education adopted the Higher Education Admission Requirements, which are entry requirements for students planning to attend any of Colorado's public four-year colleges or universities.

Private colleges and universities set their own admission standards, so students should contact those institutions directly for information regarding their enrollment policies.

Additionally, public two-year colleges have open enrollment policies, meaning that students applying to these schools do not need to meet the following admissions requirements.

Students planning to attend a four-year college or university in Colorado will need to complete the following classes in order to fulfill the Higher Education Admission Requirements. In addition to the Higher Education Admission Requirements, students must also meet the Admission Eligibility Index.

Meeting the Higher Education Admissions Requirements does not guarantee admission to a four-year public institution. Colleges and universities may have additional requirements.

Academic Area	2008/2009 Graduates	2010+ Graduates
English*	4 years	4 years
Mathematics (Must include Algebra I, Geometry, Algebra II or equivalents)	3 years	4 years
Natural/Physical Sciences (two units must be lab-based)	3 years	3 years
Social Sciences (at least one unit of U.S. or world history)	3 years	3 years
Foreign Language	not required	1-3 years
Academic Electives**	2 years	2 years

\*Two units of ESL English may count for HEAR requirements when combined with two units of successfully completed college preparatory English.

\*\*Acceptable Academic Electives include additional courses in English, mathematics, natural/physical sciences, social sciences, world languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses.

## CCHE Admission Eligibility Index

	SAT	400	500	550	610	690	750	800	840	880	930	970	1010	1050	1080	1120	1160	1200	1240	1280	1310	1350	1400	1440	1490	1550			
		ACT	<12	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
% H.S. Rank	H.S. GPA																												
0-1	0-1.3	45	47	49	51	53	55	57	59	61	63	65	68	70	72	74	76	78	80	82	84	86	88	90	93	95	97		
2-3	1.4-1.5	49	51	53	55	57	59	61	63	65	67	69	72	74	76	78	80	82	84	86	88	90	92	94	97	99	101		
4	1.6	51	53	55	57	59	61	63	65	67	69	71	74	76	78	80	82	84	86	88	90	92	94	96	99	101	103		
5-6	1.7	52	54	56	58	60	62	64	66	68	70	72	75	77	79	81	83	85	87	89	91	93	95	97	100	102	104		
7-8	1.8	54	56	58	60	62	64	66	68	70	72	74	77	79	81	83	85	87	89	91	93	95	97	99	102	104	106		
9-10	1.9	56	58	60	62	64	66	68	70	72	74	76	79	81	83	85	87	89	91	93	95	97	99	101	104	106	108		
11-12	2.0	58	60	62	64	66	68	70	72	74	76	78	81	83	85	87	89	91	93	95	97	99	101	103	106	108	110		
13-15	2.1	60	62	64	66	68	70	72	74	76	78	80	83	85	87	89	91	93	95	97	99	101	103	105	108	110	112		
16-18	2.2	61	63	65	67	69	71	73	75	77	79	81	84	86	88	90	92	94	96	98	100	102	104	106	109	111	113		
19-22	2.3	63	65	67	69	71	73	75	77	79	81	83	86	88	90	92	94	96	98	100	102	104	106	108	111	113	115		
23-26	2.4	65	67	69	71	73	75	77	79	81	83	85	88	90	92	94	96	98	100	102	104	106	108	110	113	115	117		
27-30	2.5	67	69	71	73	75	77	79	81	83	85	87	90	92	94	96	98	100	102	104	106	108	110	112	115	117	119		
31-34	2.6	69	71	73	75	77	79	81	83	85	87	89	92	94	96	98	100	102	104	106	108	110	112	114	117	119	121		
35-38	2.7	70	72	74	76	78	80	82	84	86	88	90	93	95	97	99	101	103	105	107	109	111	113	115	118	120	122		
39-43	2.8	72	74	76	78	80	82	84	86	88	90	92	95	97	99	101	103	105	107	109	111	113	115	117	120	122	124		
44-48	2.9	74	76	78	80	82	84	86	88	90	92	94	97	99	101	103	105	107	109	111	113	115	117	119	122	124	126		
49-53	3.0	76	78	80	82	84	86	88	90	92	94	96	99	101	103	105	107	109	111	113	115	117	119	121	124	126	128		
54-58	3.1	78	80	82	84	86	88	90	92	94	96	98	101	103	105	107	109	111	113	115	117	119	121	123	126	128	130		
59-62	3.2	79	81	83	85	87	89	91	93	95	97	99	102	104	106	108	110	112	114	116	118	120	122	124	127	129	131		
63-67	3.3	81	83	85	87	89	91	93	95	97	99	101	104	106	108	110	112	114	116	118	120	122	124	126	129	131	133		
68-72	3.4	83	85	87	89	91	93	95	97	99	101	103	106	108	110	112	114	116	118	120	122	124	126	128	131	133	135		
73-76	3.5	85	87	89	91	93	95	97	99	101	103	105	108	110	112	114	116	118	120	122	124	126	128	130	133	135	137		
77-81	3.6	87	89	91	93	95	97	99	101	103	105	107	110	112	114	116	118	120	122	124	126	128	130	132	135	137	139		
82-85	3.7	88	90	92	94	96	98	100	102	104	106	108	111	113	115	117	119	121	123	125	127	129	131	133	136	138	140		
86-89	3.8	90	92	94	96	98	100	102	104	106	108	110	113	115	117	119	121	123	125	127	129	131	133	135	138	140	142		
90-92	3.9	92	94	96	98	100	102	104	106	108	110	112	115	117	119	121	123	125	127	129	131	133	135	137	140	142	144		
93-100	4.0	94	96	98	100	102	104	106	108	110	112	114	117	119	121	123	125	127	129	131	133	135	137	139	142	144	146		

Students use their Index Scores to determine how likely they will be admitted to one of our 4-year public Colorado institutions. In order to find your score find your weighted G.P.A. in the left column and then your ACT score along the top row. Your Index Score is where those two points intersect.

If you haven't taken an ACT yet you can use your PLAN score and add 1 – 4 points to see where your predicted ACT score range may be.

The chart below indicates the average Index Score for each of our 4 year public Colorado institutions.

<b>CCHE INDEX SCORE FOR FIRST-TIME FRESHMAN</b>					
Institution	High Education Admission Requirements (HEAR)				
	No HEAR Req.		Phase I		Phase II
	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Adams State College*	80	80	80	80	80
Colorado School of Mines	110	110	110	110	110
Colorado State University	101	101	101	101	101
Colorado State University--Pueblo	86	86	86	86	86
Fort Lewis College	86	86	92	92	92
Mesa State College*	80	85	85	85	85
Metropolitan State College of Denver**	76	76	76	76	76
University of Colorado--Boulder	103	103	103	103	103
University of Colorado--Colorado Springs	92	92	92	92	92
University of Colorado--Denver	93	93	93	93	93
University of Northern Colorado	94	94	94	94	94
Western State College	80	80	80	80	80

\* Applies to students admitted to four-year programs only; \*\* Applies to admitted students 19 years of age and younger.

### Out-of-State and Private College Admissions:

Typically, out-of-state and private colleges have more stringent requirements than in-state public institutions. In order to stay competitive students should strive to keep their G.P.A. as high as possible, study for the ACT to earn a competitive score, and continue taking rigorous academic courses. Many of these schools require 2 to 4 years in the same World Language.

Instead of using an index score like in-state colleges, out-of-state colleges publish the *average* ACT scores that recently admitted students earned and the percentage of applicants they accepted.

The following chart gives some examples of the most selective, very selective and selective institutions based on the average ACT and percentage of students they accept as reported in Naviance.

#### Most Selective

College / University	Average ACT	% of Applicants Accepted
Harvard University	32	7.23%
Stanford University	32	7.31%
Yale University	32	7.53%
Princeton University	33	8.80%
Columbia University	32	9.84%
Massachusetts Institute of Technology	33	10.08%
Duke University	32	14%

#### Very Selective

College / University	Average ACT	% of Applicants Accepted
University of Chicago	32	18.82%
Washington University in St. Louis	33	21.29%
University of California, Los Angeles	27	21.87%
Johns Hopkins University	31	22.25%
University of Virginia	30	32.60%
Colorado College	30	33.56%
New York University	29	38.10%
Rensselaer Polytechnic Institute	28	39.96%

#### Selective

College / University	Average ACT	% of Applicants Accepted
Pennsylvania State University	27	51.62%
The University of Washington	27	57.66%
The Ohio State University	28	61.92%
Texas A&M University	27	68.64%
The University of Denver	27	71.58%
The University of Arizona	24	75.36%
The University of Kansas	24	91.43%

*Average test scores and acceptance rates as reported to Naviance.*

## EAGLECREST HIGH SCHOOL ADVANCED PLACEMENT (AP) PROGRAM

Eaglecrest High School offers a comprehensive Advanced Placement Program. Sponsored by the College Board, AP is an intensive program of college-level courses and examinations offered at the high school level. AP examinations are graded on a scale of 1 to 5, with 1 indicating “no recommendation” and 5 indicating “extremely well qualified.” The College Board, the Advanced Placement Program, and the American Council on Education concur that scores of 3, 4, and 5, should be considered qualifying marks by colleges and universities.

Students who earn satisfactory grades on AP exams may be granted credit by their college or university. Students may also be eligible for AP Scholar awards. The AP Program offers several prestigious awards to recognize high school students who demonstrate college-level achievement on specified numbers of AP exams. The Advanced Placement Program charges a fee for each examination taken. Additional information is available in the Eaglecrest College and Career Center.

The AP Program offers students the following benefits, determined by comprehensive exam scores:

1. The opportunity to be well prepared for the rigor and challenge of college.
2. The opportunity to demonstrate to colleges a willingness to tackle more difficult courses.
3. Exemption by most colleges and universities from introductory courses and permission to take higher-level courses, that enable students to move ahead in areas of interest and perhaps to complete degree requirements early.
4. A potential academic credit that can give students a head start at more than 2,800 colleges.
5. Tuition savings - finish college in 3-4 years rather than 4-5 years (nearly 1,300 institutions grant up to a year of credit for a sufficient number of qualifying AP scores).
6. Time to explore subject areas that students would not otherwise be able to study and time to pursue internships or to study abroad.
7. Eligibility for honors and other special programs open to students who have received AP recognition.

Textbooks for AP Courses:

Below are several options for accessing the textbooks and workbooks for AP classes:

1. Because of the rigor of Advanced Placement, we recommend whenever possible purchasing AP textbooks and workbooks so that you may take notes, highlight, and otherwise use the book as a study tool. Textbooks and workbooks for Advanced Placement courses are available for purchase at Eaglecrest.
2. If you decide to purchase the AP books, you may do so on a payment plan. To do this, pick up a Payment Plan Request Form in the Back Main Office.
3. Books are available for check out through the Eaglecrest High School Bookroom. Please note, these books may not be written in and must be returned at the end of the school year in good condition.

## HONORS AND ADVANCED PLACEMENT COURSE OFFERINGS

### ENGLISH

Honors English 9  
Honors American Literature  
AP English Language and Composition  
AP English Literature and Composition

### MATHEMATICS

Honors Geometry  
Honors Algebra 2  
Honors Pre-Calculus/Trigonometry  
Honors Pre-Calculus/Trigonometry  
AP Statistics  
AP Calculus AB  
AP Calculus BC  
Calculus III/Differential Equations

### WORLD LANGUAGES

Honors French 4  
Honors German 4  
Honors Spanish 4  
AP French Language  
AP German Language  
AP Japanese Language  
AP Spanish Language

### SCIENCE

Honors Biology  
Honors Chemistry  
Honors Physics  
AP Biology  
AP Chemistry  
AP Environmental Science Honors  
AP Physics

### SOCIAL STUDIES

US History Honors  
AP US History  
AP Psychology  
AP Human Geography  
AP Government & Politics  
AP World History

### OTHER

Honors International Marketing/  
Business  
AP Computer Science A  
AP Computer Science AB  
AP Music Theory  
AP Studio Art  
AP Art History

## EAGLECREST HONORS DIPLOMA PROGRAM

### Overview

The Honors Diploma Program is an individualized program which provides structure and support for high-achieving students to prepare for college success. The program is designed to provide a well-rounded high school experience including Honors and Advanced Placement courses, extra-curricular activities, community service involvement, and extended learning opportunities. The goal of these components is to provide a variety of learning experiences to challenge and engage students during their high school years.

The National Association for Gifted Children (NAGC) has recognized Eaglecrest’s Honors Diploma Program for Excellence in Program Design and Management. Eaglecrest has been honored for its comprehensive and individualized program for high-achieving students.

### Program Components

Please see the listed requirements for earning an Honors Diploma. There are general requirements for all HD students to complete and unique requirements in each area of specialization.

### Academics

All Honors Diploma students complete an academic core consisting of honors and four or more Advanced Placement courses and advanced study in a world language. Throughout their four years of high school, all students maintain 3.5-weighted grade point average. In addition to these general program requirements, students also meet academic expectations in their areas of specialization.

## Advanced Learning Experiences

One of the unique and exciting aspects of the Honors Diploma Program is the Advanced Learning requirement. The purpose of these two projects is to encourage students to experience learning outside of the classroom.

The best Advanced Learning Experiences (ALE's) are designed around students' interests either in the present or in their future. Because these experiences are unique to each student, many different activities qualify as Advanced Learning.

## Community Service

By the end of their senior year, EHS Honors Diploma recipients complete a minimum of 60 hours of community service. Community service opportunities can be found both in and out of school.

## Extra-Curricular Activities

Each year Honors Diploma students participate in one or more extra-curricular activity (sports, clubs, or co-curriculars).

## Areas of Specialization

Upon acceptance as an Honors Diploma student, freshmen choose an area of specialization and create a 4-year plan of study. Through specialization, students are able to create a high school experience that best meets their individual needs, yet still meets expectations for overall achievement.

Students may choose a specialization from one or more of the following areas: Advanced Placement, Athletics, International Studies, Leadership, Performing Arts, and Visual Arts. Each area has unique course and activity requirements.

### • *Advanced Placement (AP)*

Advanced Placement is a national program of college-level courses for high school students. Students with qualifying grades on the year-end AP tests can earn college credit, placement or both.

The Advanced Placement specialization is for students who excel academically and desire to experience a broad array of college-level courses. Honors Diploma students specializing in AP complete 6 or more Advanced Placement courses and exams during their four years of high school.

Eaglecrest offers 26 Advanced Placement courses in a variety of subject areas: Art, Computer Programming, English, French, German, Japanese, Spanish, Mathematics, Music, Science, and Social Studies.

### • *Athletics*

Honors Diploma student-athletes maintain those traditions by performing at a highly competitive level. Students specializing in athletics participate in at least one sport for four years, show evidence of extensive training, and achieve all-state, or all-conference honors.

Eaglecrest is proud of its athletic traditions which include 10 state championships in football, cheerleading, softball, and volleyball. EHS athletes have also won individual state titles in wrestling and boys' and girls' track. Two EHS athletes hold state records in track.

### • *International Studies*

The International Studies area of specialization is met by completing the requirements for the EHS International Studies Certificate and by enrolling in an Advanced Placement world language course and exam. At Eaglecrest students have the option of studying French, German, Japanese, Latin, or Spanish.

Students interested in this area are looking for advanced study in world cultures and international themes. Many International Studies students enhance their language skills by participating in short-term foreign exchanges or educational travel.

### • *Leadership*

There are over 65 clubs offered at Eaglecrest ranging from Japanese Honor Society to Dodgeball Club. Involvement in clubs and honors societies gives students the opportunity to develop and practice leadership skills.

Honors Diploma students seeking a specialization in Leadership show commitment to and hold a leadership position in one of a variety of service clubs (e.g. Key Club, FCLA) student government, honors societies, or publications (newspaper, yearbook).

Students are also required to demonstrate their leadership by designing and executing a major project.

### • *Performing Arts*

Eaglecrest has a long tradition of excellence in the Performing Arts. In recent years musical productions have included Seussical, Ragtime, and West Side Story. In 2008, two EHS choirs won their classification in 5A competition at the Colorado Invitational Music Performance Festival. From all-state participants in choir and orchestra to the only handbell choir in the district, Eaglecrest Performing Arts offers an array of opportunities for students who wish to excel in performance. The Eaglecrest's Choirs have consistently received the highest rating at festivals around the United States and have performed at the Colorado Music Educators Convention four times in the past eight years. The 2009-2010 Eaglecrest High School Jazz Choir has been selected to perform at the Southwestern Division American Choral directors Association Conference and is one of the only two high school choirs selected to perform from Colorado.

Honors Diploma students who specialize in this area demonstrate extensive and high level performance in a discipline of performing arts.

Additionally students must complete at least one of the following courses: AP Music Theory, Dance Company, Dance Training, Cantare, Jazz Choir, Madrigals, Symphonic Band, Symphonic Orchestra, or Jazz Band 1.

### • *Science and Technology (Sci-Tech)*

The Science and Technology Program is for students interested in careers in computers, engineering, medicine, science, or advanced technologies.

Honors Diploma students who specialize in this area receive both a Sci-Tech and an Honors Diploma certificate by completing four credits in both science and math, as well as 4.5 credits of Sci-Tech electives. Additionally, Sci-Tech students complete an Advanced Learning Experience showcasing their scientific or technological skills.

One of many unique features of this program is the Infinity Project Engineering course co-sponsored by Southern Methodist University, Texas Instruments, and the National Science Foundation. Eaglecrest is one of only two schools in Colorado to offer this exclusive program.

Sci-Tech graduates attend a range of selective and highly selective colleges and universities including Colorado School of Mines, US Naval Academy, Rensselaer Polytechnic Institute, and Embry Riddle Aeronautical University.

### • *Visual Arts*

The halls of Eaglecrest are filled with the work of many talented artists. The Visual Arts Department offers a broad range of courses for students wishing to specialize in this area including ceramics, drawing and painting, design, photography, sculpture, and art history.

AP Studio Art is the culminating course for students who have completed Visual Arts courses in any media. Eaglecrest is one of only three Cherry Creek High Schools to offer this course. Students specializing in Visual Arts show evidence of exemplary performance over four years, complete AP Art History and/or AP Art Studio, create a portfolio, and publicly display their work.

## SCI-TECH CERTIFICATE PROGRAM

### Program Description

The Sci-Tech program, a STEM initiative, is recommended for highly motivated students seeking specific preparation to enhance their opportunities for careers and training in the fields of computing, engineering, medicine, science, and advanced technologies. Sci-Tech students take an above average course load concentrating on science, technology, engineering, and math. Courses in the Eaglecrest Sci-Tech program emphasize the direct application of science and math concepts through learning experiences with advanced technologies. Courses will provide preparation for college degree programs and post-high school, high-tech/high-wage technical training, and certification programs.

This program balances the theoretical and practical skills needed to be successful in technology-related careers. Upon successful completion of this program, a special certificate of honor is awarded at graduation.

### Sci-Tech Program Requirements

Students must have a minimum GPA of 2.5 overall, and a 2.5 GPA within math, science, and Sci-Tech elective courses. Students must sign up during their freshmen or sophomore year, and meet with their Sci-Tech advisor in the fall and spring of each year. A junior or senior year project is required - the project must be pre-approved, supervised, demonstrate the student's skills with technology, and be presented to the Sci-Tech steering committee. Sci-Tech seniors must apply for award of the certificate in the fall of their senior year. Ninety five percent attendance at Wednesday morning PLT meetings is mandatory.

### Sci-Tech Certificate Graduation Requirements

**(24.5 units - Minimum 2.5 GPA overall)**

- 4 units English (Must include .5 of Technical Writing)
- 3 units Social Studies
- 4 units Math (minimum 2.5 GPA in Math courses)
- 4 units Science (minimum 2.5 GPA in Science courses)
- 3 units World Language
- 1.5 units Physical Education
- .5 units Health
- 4.5 units Sci-Tech Electives\* - (min. 2.5 GPA in Sci-Tech Electives)
- 4.5 units of Sci-Tech Elective credit may be met taking any of the following courses:

Junior/Senior Problems	Graphic Design
Any AP Science	Technical Computer Applications
Any AP Math	Newspaper or Yearbook
AP Computer Programming	Online Earth and the Universe
Executive Internship (with approval)	Photography (all levels)
Post Secondary Options (with approval)	Astronomy and Space Science
Applications in Technology	Anatomy and Physiology
Intro to Applications in Technology	Geology
Advanced Applications in Technology	Biotechnology
Technical Drawing	Science Lab Assist
Technical Writing	Science Research
Industrial Design	Outdoor Naturalist
Architectural Design Technology	Computer Applications
Tech Theatre Design	Web Page Design
An approved Independent Study	Material Science

Selected technical courses from TH Pickens or District Vocational Education Program on an approved Sci-Tech summer institute or foreign exchange experience (Counts as two Sci-Tech elective program credits - not transcript credit.)

## INTERNATIONAL STUDIES CERTIFICATE

Eaglecrest High School offers the option of working toward a specially designated certificate with an emphasis on International Studies. This certificate is recommended for the highly motivated student seeking a wide base of exposure to international themes and cultures, while preparing for admission to a competitive college or university. Enrollment is limited to freshmen, as well as sophomores and juniors, who have just transferred to Eaglecrest. It is recommended that students enroll in this program in their first year of attendance. Enrollment occurs during April. Information packets are available from the counseling office or the International Studies chair. \*Requirements and specifications for the program are listed below:

### INTERNATIONAL STUDIES CERTIFICATE GRADUATION REQUIREMENTS

COURSES	UNITS
English	4
Social Studies	4
Mathematics	3
Science (includes Earth/Physical Science)	3
World Language (completion of fourth level)	4
Physical Education	1.5
Health	.5
Fine Arts/Technology Education/Business or Vocational Education/Speech/ Journalism/Media/other approved electives	<u>4.0</u>
<b>Total</b>	<b>24</b>

An unweighted GPA of 3.0 must be earned.

### ADDITIONAL REQUIREMENTS:

Sixty hours of approved community service are to be completed by graduation. Ten units of coursework must be taken from the international course selections listed below. NOTE: If a student cannot meet these standards, additional credit from special projects is available through arrangement with the International Committee (though special projects cannot be counted towards graduation requirements).

### CLASSES THAT FULFILL INTERNATIONAL POINTS

Ten units of coursework must be taken from the course selections listed below to earn the International Points necessary for program certification. Points may also be earned through special projects if a conflict occurs limiting a student's opportunity to pursue the prescribed courses. Special projects must be arranged and approved by the International Studies Program Coordinator and cannot be counted as credits toward graduation.

#### ENGLISH

World Literature  
AP Literature and Composition  
AP Language and Composition

#### BUSINESS

Honors International Marketing/Business Marketing 3  
AP Computer Science A  
AP Computer Science AB  
Accounting 3  
AP Macroeconomics

#### SCIENCE

Earth/Physical Science  
AP Environmental Science

#### FINE ARTS

AP Art History  
World Dance/World Cultures  
Ballroom Dance  
Gourmet Foods  
Eaglecrest Madrigals

#### WORLD LANGUAGE

French  
German  
Japanese  
Latin  
Spanish  
English Lang. Acquisition (ELA)

#### SOCIAL STUDIES

World Geography  
World History  
AP European History  
AP Human Geography

**Note: All international classes are identified in the course guide by the following icon:**



## EAGLECREST COUNSELING DEPARTMENT

The mission of the EHS counselors is to prepare each and every student to be college/career ready. Our focus is to support every student's potential in three domains: academic, college/career, and personal/social development.

We are committed to promoting and enhancing the academic achievement and personal growth of every student by continually reinforcing high expectations and supporting a successful post secondary transition.

The Counseling Department sponsors and/or conducts various student development workshops, presentations, and meetings (individual/group).

### **Raptor 101 Presentations: Freshman Presentations**

Three Keys to High School Success, Graduation Requirements, Understanding Your Transcript, Explore Test Interpretation, Career Exploration, Personal Learning Style.

### **Sophomore Presentations:**

PLAN Test interpretation and cumulative G.P.A. calculation  
Developmental guidance focusing on personal college and career development.

### **Junior Presentations/Meetings:**

GPA/Rank Overview, Graduation Progress, Senior Year Course Selection, College Search-Finding the "Right" Fit, Financial Aid/Scholarship Process, College Opportunity Fund (COF), National Collegiate Athletic Association Process/Procedures, College Entrance Exams (ACT/SAT), Letters of Recommendation, College Essay/Personal Statement, College Visits.

### **Senior Presentations/Meetings:**

GPA/Rank Overview, Graduation Progress, Colorado Index Score (test scores and G.P.A.), College Search Completion, Application Process, Transcript Requests, Financial Aid/Scholarship Deadlines, National Collegiate Athletic Association Follow Process Completion, Letters of Recommendation, College Essay/Personal Statement, College Interview Process.

### **Individual Meetings**

### **Military Preparation**

### **Post-Secondary Enrollment**

### **Student Support Groups**

## ACT DATES 2012-2013

**September 8, 2012**

**October 27, 2012**

**December 8, 2012**

**February 9, 2013**

**April 13, 2013**

**June 8, 2013**

Eaglecrest offers the ACT on all national test dates, to register please visit [www.actstudent.org](http://www.actstudent.org). You will find Eaglecrest under the city of Centennial, not Aurora. Remember to register 6 weeks before each test date to avoid late registration fees.

## SAT DATES 2012-2013

SAT dates will be available on the website, [www.collegeboard.org](http://www.collegeboard.org), in September. Tests are typically offered in October, November, December, January, March, May and June.

Eaglecrest is not a test site for the SAT. Please visit [www.collegeboard.org](http://www.collegeboard.org) to choose a testing location and register.

**INFORMATION FOR PROSPECTIVE COLLEGE ATHLETES ON  
NCAA CLEARINGHOUSE REQUIREMENTS**

**New Core GPA/Test Score Index  
(to be used with 14 core courses)**

Students who wish to participate in collegiate athletics at the Division I or II level must apply for certification with the National Collegiate Athletic Association (NCAA) Eligibility Center during the fall of the senior year of high school. Eaglecrest counselors can assist students in completing the paperwork necessary in this process. To register, please visit [eligibilitycenter.org](http://eligibilitycenter.org)

**Academic Eligibility**

**Division I Academic Eligibility Requirements  
16 Core-Course Standard**

All high-school athletes wishing to compete in college must register with the NCAA Eligibility Center. Information about the Clearinghouse can be found in our College and Career Center. Your NCAA initial eligibility will be evaluated using the 16 core course standard. To be classified as a qualifier under this standard, you will need to **graduate from high school** and have successfully completed 16 core courses as listed below and have a core-course grade-point average (based on a 4.000 scale) and a combined score on the SAT (English and Math, but not Writing) or a sum score on the ACT based on the new core GPA/test score index. (To get the ACT sum score add each of the subtests: English, reading, mathematics, and science)

**16 Core Courses:**

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 1 year of additional English, mathematics, or natural/physical science.
- 2 years of social science
- 3 years of additional courses (from any area above or world language, non-doctrinal religion/philosophy)

**Division II 14 Core-Course Standard**

**14 Core Courses:**

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 2 year of additional English, mathematics, or natural/physical science.
- 2 years of social science
- 3 years of additional courses (from any area above or world language, non-doctrinal religion/philosophy)

Division II does not use the sliding scale. The minimum core grade-point average is 2.000. The minimum SAT score is 820 (verbal and math section only) and the minimum ACT summary score is 68 (English, reading, mathematics, and science, but not writing).

Core GPA	SAT (combined)	ACT (Sum Score)
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

**EAGLECREST HIGH SCHOOL  
YOUR SIX-YEAR PLANNING GUIDE**

As you plan your four years of study at Eaglecrest, keep in mind not only the graduation requirements, but also your postgraduate goals (at least two years beyond high school). **Many colleges and universities require more credits in a core area than are required for graduation.** Use the provided materials to help plan your course of study.

	Grade 9	Grade 10	Grade 11	Grade 12
<b>ENGLISH</b> – 4.0 Credits				
<b>SOCIAL STUDIES</b> – 3.0 Credits Including 1.0 US History and 0.5 Government				
<b>MATH</b> – 3.0 Credits				
<b>SCIENCE</b> – 3.0 Credits				
<b>WORLD LANGUAGES</b> (Refer to college entrance requirements)				
<b>HEALTH</b> – 0.5 Credit				
<b>PHYSICAL EDUCATION</b> 1.5 Credits				
<b>PERFORMING/VISUAL ARTS, APPLIED TECHNOLOGY, BUSINESS, VOCATIONAL EDUCATION</b> – 1.5 Credits				
<b>OTHER</b> – 5.5 Credits				
<b>TOTAL</b> – 22.0 Credits				

In order to graduate from Eaglecrest High School, you must have earned a **minimum** of 22 credits, which include the above specific subject requirements.

**YEARS 13 AND BEYOND**

<b>POST-GRADUATE OPTIONS: COLLEGE – 4 YEAR</b>	<b>POST-GRADUATE OPTIONS: COLLEGE – 2 YEAR</b>
<b>Most Selective</b>	<b>MILITARY</b>
<b>Highly Selective</b>	<b>Army</b>
<b>Selective</b>	<b>Navy</b>
<b>Less Selective</b>	<b>Air Force</b>
<b>Two Year (Associate) + Two Year (Bachelors)</b>	<b>Marines</b>
	<b>Coast Guard</b>

**VOCATIONAL/TECHNICAL** \_\_\_\_\_ **POSSIBLE AREAS OF INTEREST** \_\_\_\_\_

## ENGLISH ENGLISH CURRICULUM

Course Title	Grade	Credit
Honors 9/CP English 9/English 9	9	1
American Literature & Comp. Honors/ CP American Literature & Composition	10	1
American Literature	9-10	1
CP World Literature and Composition/ World Literature & Composition	11-12	1
Advanced Placement Language/Composition	11-12	1
Advanced Placement Literature/Composition	12	1
CP English 12/English 12	12	1
Creative Writing	12	1/2
Reading and Writing*	9-10	1
Journalism*	9-12	1/2
Newspaper*	10-12*	1
Speech*	9-12	1
Yearbook*	10-12*	1
Advanced Forensics*	9-12	1

\*Elective credit - Does not fulfill 4 unit English requirements for graduation.

### GUIDELINES FOR SELECTING ENGLISH COURSES

\* All students must earn four units of English to graduate from Eaglecrest.

\* At the freshman level, English 9 is required. At the sophomore level, American Literature and Composition is required. A minimum of two additional units must be completed. At the junior level, World Literature and Composition is required. Juniors may also enroll in Advanced Placement Language and Composition. At the senior level, English 12 is required. Seniors may also enroll in Advanced Placement Literature and Composition.

### ENGLISH 9 HONORS

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 9

Students enrolled in Honors English 9 will accomplish the standards outlined in CP English 9 while independently reading literary and informational texts of greater complexity. For example, students will synthesize information, distinguish between key concepts and subordinate ideas, and defend or challenge authors' assertions by locating key pieces of information. Students will write longer and more complicated essays including literary analysis, will revise writing to make it more concise and precise, and will experiment with writing more sophisticated sentences. In this course students learn to identify and use elements of literature to analyze main idea, theme, and author's purpose in a variety of texts and genres. Emphasis is placed on close reading of text, analysis of authorial intent, and synthesis of text within and among genres. Students will also learn advanced essay writing skills including topic development detailed support (including research), fluency, and word choice. Vocabulary development and correct grammar and mechanics in writing are also key components of the course. A summer reading assignment is a required element of this class.



### COLLEGE PREP ENGLISH 9

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 9

**Oral Expression:** Students will prepare oral presentations and develop strategies for listening critically to the presentations of others. **Reading:** Students will read and interpret increasingly complex literary and informational texts. **Writing:** Students will write narrative, informational, and persuasive texts, working to establish a controlling idea and provide relevant support. Students will work to revise grammar, usage, and mechanics to achieve greater clarity. **Research:** Students will analyze informational materials, including electronic sources, for their relevance and accuracy. This course will examine, through thematic units, a range of literary and artistic expression. Students will learn to identify the elements of literature and use their reading to compare and contrast works in various writing activities. Reading, writing, and oral communication skills will be emphasized. Students will grow to recognize the interdependence of oral language, literature, and written language in a context of social and cultural expression.



### ENGLISH 9

**Prerequisite:** Approval of English and Student

Achievement Services Coordinator

**Credit:** 1 unit of English credit, 1 unit of elective credit

**Course Length:** Year

**Grade:** 9

Students enrolled in Essentials English 9 will study the standards outlined in CP English 9 while receiving support to accelerate their skills in reading and writing. For example, they will work to create logical statements about the main idea or purpose of paragraphs and draw reasonable conclusions about people and situations using evidence presented in texts. They will write short texts in a variety of genres, revise sentences to correct awkward and confusing sentence elements, and work to solve basic grammatical problems with punctuation, shifts in verb tense, etc. This yearlong course is designed to improve reading comprehension and writing skills while gaining exposure to literature. Students will study a variety of genres while developing skills in vocabulary, writing, reading, grammar, and mechanics. This course is designed to assist students in gaining proficiency in reading and writing. Approval of current English teacher or case manager is required. This course meets for two periods.

### AMERICAN LITERATURE AND COMPOSITION HONORS

**Prerequisite:** English 9, CP English 9 or Honors English 9

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 10

Students enrolled in Honors English 10 will accomplish the standards addressed in CP English 10 while reading increasingly complex literary and informational texts. For example, they will identify subtle evidence that conveys the author's or narrator's point of view, recognize and study the evolution of an author's argument, and identify clues that suggest possible motives for and effects of a person's actions or words. Students will experiment with more subtle organizational structures and incorporate more rhetorical strategies into their writing. This course continues the advanced sequence of skills and content begun in Honors English 9. The ideas and influences found in American literature and major literary movements are emphasized. Students use analysis skills to examine the social and historical context of texts as well as the elements authors use to develop themes. Essay writing continues to be a focus of advanced study. Students learn advanced techniques in a variety of genres of writing including argumentation, narration, research, and literary analysis. A summer reading assignment is a required element of this class.



## **COLLEGE PREP AMERICAN LITERATURE AND COMPOSITION**

**Prerequisite:** English 9 Essentials, English 9, or Honors English 9

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 10



**Oral Expression:** Students will gather and organize content that will influence an audience successfully. Students will listen actively to group members when accomplishing a group goal. **Reading:** Students will read literary, informational, and persuasive manuscripts in order to develop ideas and to understand traditional and contemporary texts. **Writing:** Students will use different organizational patterns to inform or to persuade, and their writing will feature a variety of stylistic devices while relying on a strong foundation of proper grammar and mechanic skills. **Research:** Students will evaluate the validity of multiple sources while collecting information in order to answer a question, propose solutions, or share findings. This course will focus on the United States in the 20th and 21st century incorporating American studies, American literature, and current issues. The course will emphasize the ideas and actions of those people who have shaped the world of yesterday and today and who will influence the world of tomorrow. Students will examine the impact of these historical figures through the study of literature, research, and composition. .

## **AMERICAN LITERATURE**

**Prerequisite:** Teacher Recommendation and Student Achievement Services Coordinator

**Credit:** 1 unit of English credit, 1 unit of elective credit

**Course Length:** Year

**Grade:** 10



Students enrolled in American Literature will study the standards addressed in CP American Literature and Comprehension while receiving support to accelerate their skills in reading and writing. **For example,** they will distinguish between what is most and least important in a text, identify interrelationships between and among people, events, or ideas in written or non-print sources, and make accurate generalizations about people and events based on evidence presented in a text. They will write texts in many genres, focusing on logic, organization, and more varied sentence structure, working to limit errors in usage. This course will focus on the United States from its inception through the twentieth century incorporating American history, American literature, and current issues. The writing focus will be on strong sentence development, frequent single paragraph writing, and the multi-paragraph essay. Skills in grammar, mechanics, vocabulary, usage, and editing will be emphasized. This course should be taken concurrently with United States History. This course meets for two periods.

## **COLLEGE PREP WORLD LITERATURE AND COMPOSITION**

**Prerequisite:** CP English 9, CP American Lit/Comp, reading close to grade level.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



**Oral Expression:** Students will analyze messages for their accuracy and relevance. **Reading:** Students will critically read complex literary texts to interpret and evaluate their meaning. They will synthesize ideas from informational texts for a specific purpose. **Writing:** Students will work to stylistically and thematically refine narrative texts. They will refine informational and persuasive texts to inform or influence an audience while making ongoing revisions in grammar, usage, and mechanics to achieve greater clarity. **Research:** Students will study critical thinking and evaluate quality reasoning. World Literature is a college preparatory course which examines the western and non-western traditions depicted through literature, history, and the arts. Discussion, essay and creative writing, research, and other activities will provide students an opportunity to explore new cultures and compare them to their own. This course is strongly recommended for college-bound juniors and those who wish to excel on the ACT and SAT. This class also meets the requirements for the International Studies Certificate. World Literature should be taken concurrently with World History.

## **WORLD LITERATURE AND COMPOSITION**

**Prerequisite:** American Literature CP or American Literature

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 11



Students enrolled in World Literature and Comprehension will study the standards addressed in College Prep World Literature and Comprehension while receiving support to improve their skills in reading and writing. **For example,** they will check inferences against information provided in a text and make reasoned judgments about ideas and events based on evidence from print and non-print sources. They will analyze techniques used by the author of a text to reveal or conceal his or her point of view. They will revise writing to make it more concise and precise, work to write more sophisticated sentences, and edit to correct errors in usage. World Literature examines the western and non-western traditions depicted through literature, history, and the arts. Students continue developing skills in reading comprehension, essay writing, grammar, mechanics, and vocabulary while studying major authors and literary periods.

## **ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION**

**Prerequisite:** Two completed English credits

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 11-12



The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

By the end of the course, students should be able to analyze and interpret samples of good writing, identifying and explaining an author's use of rhetorical strategies and techniques; create and sustain arguments based on readings, research, and/or personal experience; and write for a variety of purposes, applying effective strategies and techniques in their own writing. Reading, analyzing, and writing expository, analytical, and argumentative essays will be emphasized, as well as the study of language through the analysis of literature. As students read prose and poetry, they become increasingly aware of how authors from different periods and disciplines suit their rhetorical choices to particular aims, and of the stylistic effects created by different syntactical choices and by different levels of diction. Students should develop some of the same flexibility. Reading comprehension, analogy study, vocabulary, grammar, and mechanics usage will be reviewed for ACT, PSAT, and SAT tests. This college level course, which applies toward the International Certificate, is for motivated, college-bound juniors who wish to achieve advanced placement and/or credit toward their freshman year in college. College placement and credit are determined by scores students earn on the College Board AP Exam administered in mid May and by the college or university selected by the student. This course is recommended as a foundation for and link to AP Literature and Composition, although it is not a prerequisite for that course. A summer reading assignment is a required element of this course.

## **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION**

**Prerequisites:** Three completed English credits

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 12



The AP course in English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.

Reading in an AP course is both wide and deep. The reading necessarily builds upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods – from the 16th century to the 21st century. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays.

This college-level course applies toward the International Certificate and is for motivated, college bound seniors who wish to achieve advanced placement and/or credit toward their freshman year in college. College placement and credit are determined by scores students earn on the College Board AP Exam administered in mid-May and by the college or university selected by the student. Students will read world literature, including European and American Literature, of various periods and genres. Emphasis in the course will be on reading literature analytically and writing critical analysis essays about that literature which demonstrate the synthesis of the student's creative and critical thinking as well as, the universalities of the literature. A summer reading assignment is a required element of this class.

## **COLLEGE PREP ENGLISH 12**

**Prerequisite:** World Literature or Advanced Placement Language and Composition

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 12



English 12 is a college preparatory course focusing on the literature and writing skills needed for college success. The course is thematically based, focusing on exploration of different cultures and voices through contemporary and classical literature in a variety of genres. Along with an extensive exploration of literature, research, and advanced essay writing are integral parts of this class.

## **ENGLISH 12**

**Prerequisite:** Essentials of World Literature or World Literature and Student Achievement Services Coordinator

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 12

Essentials of English 12 focuses on an exploration of different cultures and voices through contemporary and classical literature and a variety of genres. Students will continue developing skills in reading comprehension, essay writing, grammar, mechanics, and vocabulary with an emphasis on building skills for post-high school education.

## **CREATIVE WRITING**

**Prerequisite:** English 9 and American Literature/Composition

**Credit:** 1/2 unit elective

**Course Length:** Semester, only offered 2nd Semester

**Grade:** 12



This course is designed to be a self-reflective exploration through the writing process. Students will read and analyze models in various genres and then compose their own model. Students will explore a children's book, a script, non-fiction, fiction, and poetry. Students will work on fluency and editing skills through the writing process. Students will publish pieces in, [Out on A Limb](#).

## **COLLEGE PREP READING AND WRITING – ONLINE**

**Prerequisite:** None

**Credit:** 1/2 (English)

**Course Length:** Semester

**Grades:** 11-12

Students in this course will know the specifics of writing including vocabulary strategies and literary technique, be able to analyze and understand the styles and techniques of high-quality nonfiction writing including voice, word choice, sentence fluency and organization, and create nonfiction pieces modeled after styles studied in class.

## **CORE COMPOSITION 1 - ONLINE (Dual credit with the University of Colorado at Denver)**

**Prerequisite:** None

**Credit:** 1/2 (English) plus 3 college credits

**Course Length:** Semester

**Grades:** 11-12

Provides opportunities to write for different purposes and audiences, with an emphasis on learning how to respond to various rhetorical situations; improving critical thinking, reading, and writing abilities; understanding various writing processes; and gaining a deeper knowledge of language conventions. Students will be responsible for paying tuition for university credit.

## **CORE COMPOSITION 2 - ONLINE (Dual credit with the University of Colorado at Denver)**

**Prerequisite:** Core Composition 1

**Credit:** 1/2 (English) Plus 3 college credits

**Course Length:** Semester

**Grades:** 11-12

Focus on academic and other types of research-based writing and builds on the work completed in Core Composition I. Focuses on critical thinking, reading and writing, as well as working with primary and secondary source material to produce a variety of research-based essays. Emphasis on using both print-based and electronic-based information. Students will be responsible for paying tuition for university credit.

**THE FOLLOWING COURSES MAY BE TAKEN FOR ELECTIVE CREDIT BUT DO NOT FULFILL THE FOUR UNITS OF ENGLISH REQUIRED FOR GRADUATION:**

**JOURNALISM 1**

**Prerequisite:** (9th grade enrollment requires teacher approval)

**Credit:** 1/2 unit elective\*

**Course Length:** Semester

**Grade:** 10-12



This course is designed as an entry-level training ground for students who want to learn the basic requirements of the journalistic style of writing. It will serve as a prerequisite course to the current Journalism 2 class, which produces the student newspaper. Pieces may be submitted for publication in the student newspaper.

**NEWSPAPER**

**Prerequisite:** By application and approval from journalism instructor

**Credit:** 1 unit elective\*

**Course Length:** Year

**Grades:** 10-12



Journalism is for students who wish to further explore the publication process. Students will be exposed to advanced writing and editing experiences while assuming managerial positions on the school publications. May be repeated. Students are involved in story writing, editing, and public relations. Enrollment requires the student spend time outside of class to fulfill newspaper staff obligations

**SPEECH**

**Prerequisite:** None

**Credit:** 1 unit elective\*

**Course Length:** Year

**Grades:** 9-12



This course is designed for students interested in organized arguments and in expanded speaking experiences. The purpose of the class is to prepare for interscholastic debate competition. Emphasis will be placed on the application of research, logic and reasoning while debating current issues. Three styles of debate will be studied: Congressional Debate, Lincoln Douglas Debate, and Public Forum Debate. Parliamentary procedure will be studied for use in mock Student Congress as an alternative format. Students will also study various speaking styles including original oratory, extemporaneous, and interpretive speaking. Credit earned in this class may be applied to the elective units required for graduation.

**ADVANCED FORENSICS**

**Prerequisite:** None

**Credit:** 1 unit elective\*

**Course Length:** Year

**Grades:** 9-12

This course is designed for students interested in organized public speaking and debate. The purpose of the class is to prepare for interscholastic speech and debate competition. Students will research, write, and present original orations, speak extemporaneously on current events, and perform interpretive literature. Students will also study four styles of debate: Policy Debate, Lincoln-Douglas Debate, Public Forum Debate, and Congressional Debate. Students who take this course will be part of the Eaglecrest Speech and Debate Team. **Saturday competitions are required.** Students will earn membership in the National Forensic League, the national honor society for competitive speech and debate. This course is highly recommended for students interested in law or business. A fee of \$25 per semester is required for membership on the Eaglecrest Speech and Debate team. A fee of \$15 is required for membership in the National Forensic League. Credit earned in this class may be applied to the elective units required for graduation.

**YEARBOOK**

**Prerequisite:** By application and teacher recommendation

**Credit:** 1 unit elective\*

**Course Length:** Year

**Grades:** 10-12



Students who register for this course become staff members of the school yearbook. Students are involved in all aspects of yearbook production including reporting, editing, publication design, photo-journalism, advertising, business management, and promotion.

# *Eaglecrest High School's Mission Statement*

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*To be an exemplary  
learning community  
focused on preparing  
each and every  
student for college  
success.*



**R A P T O R Way**

**Respect Achievement Pride Teamwork Opportunity Responsibility**

# SOCIAL STUDIES

## SOCIAL STUDIES CURRICULUM

The department would recommend that ALL students consider taking four years of social studies. We want to encourage every student to have a better understanding of the world in which we live. We also want to support our students in becoming more actively engaged in participatory citizenship. Although we have made course recommendations for students who have identified a specific college goal, we welcome all students in our social studies classes. Current social studies teachers make recommendations for the following year. If your child is not presently enrolled in a social studies class or you would like more details about one of our programs, please feel free to call our department coordinator, Heather Nelsen at 720-886-1114.

Course Title	Grade	Credit
World Geography 9	9	1
United States History	10	1
Honors United States History	10	1
United States History - Essentials	10	1
World History	11-12	1
Advanced Placement World History	10-12	1
World History Essentials	11-12	1
Advanced Placement Psychology	12	1
Advanced Placement United States History	11-12	1
Advanced Placement U.S. Government and Politics	10-12	1
Advanced Placement Human Geography	9-12	1
Economics (You, Your Money, and the Marketplace)	11-12	1/2
Psychology	11-12	1/2
Sociology	11-12	1/2
United States Government	10-12	1/2
You and the Law	11-12	1/2

### WORLD GEOGRAPHY 9 (Required)

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 9



World Geography provides the skills and tools of spatial analysis to better understand the patterns of people, landscape and natural phenomena of the Earth. The topics of study reflect the Themes of Geography and the Geography Content Standards. The topics include local and world regions, climates, ecosystems, population issues, resources, international trade, environmental issues, natural hazards, geographic tools and technology.

World Geography is an issues-related course that is based on the six geography standards; Geographic Tools; Places and Regions; Earth's Physical Processes; Cultural Processes and Patterns; Human/Environment Interactions, and Applications of Geography. Building on the regional studies approach to geography in the 6th and 7th grades, our course involves a study of the world through the following topics: Framework of Geography; World Development/Demographics; Interdependence/Economics; Human-Environment Interactions; Conflict/Political Geography; Human Rights; and Population/Migration/Cities. In addition, all students participate in a Model United Nations project in the spring.

### UNITED STATES HISTORY (Required)

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 10



This is a course focusing on political, economic, social and cultural concepts of United States history. During the first semester students will study the Constitution and The Bill of Rights to the Progressive Era. During the second semester students will study the United States during the twentieth century. **MUST BE TAKEN CONCURRENTLY WITH AMERICAN LITERATURE AND COMPOSITION.**

### HONORS UNITED STATES HISTORY

**Prerequisite:** Teacher recommendation; reading and writing at or above grade level

**Credit:** 1 unit

**Course Length:** 1 Year

**Grade:** 10



Honors United States History focuses on the United States in the 19th and 20th centuries, incorporating American studies, American literature, and current issues. The honors course challenges students to go beyond the traditional curricular study to pursue a more in-depth investigation of the content. Students examine the impact of America's domestic and foreign policy on our nation and the country. The course emphasizes the ideas and actions of people who have shaped the world of yesterday and today and their influence on American identity.

### UNITED STATES HISTORY - ONLINE

**Prerequisite:** None

**Credit:** 1 unit (Social Studies)

**Course Length:** 1 Year

**Grades:** 9-12

United States History online offers an interpretive overview of American History using a thematic and standards-based approach to learning. The themes used to interpret history will revolve around the following areas: economic and political processes; immigration, urbanization, and the changing demographics of the United States; progressivism and the struggle for social justice; change and continuity in United States foreign policy. Our objective is to understand not only what happened in American history but also why it happened, using a variety of primary sources and a wide range of scholarly interpretations. The eras covered will range from European migration to North America through the present day.

### WORLD HISTORY

**Prerequisite:** Teacher recommendation. Reading and writing close to grade level

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



World History is a chronological, thematic, and comparative study of the major cultures of all regions of the world. Historical research skills are an important, required component of the course. Primary source materials (readings, art, artifacts, etc.) should be integral components of each unit. World History is a college preparatory, interdisciplinary class that studies the elements of world civilizations. Students compare historical events with contemporary issues enabling them to understand the relevance of history in our lives today. Discussions, simulations, research, and other activities enable students to become involved in their pursuit of the past. This course is highly recommended for college bound students and for those interested in academic challenge. **THIS COURSE MUST BE TAKEN CONCURRENTLY WITH WORLD LITERATURE AND COMPOSITION.**

### ADVANCED PLACEMENT WORLD HISTORY

**Prerequisite:** Current social studies instructor approval; Completion of AP Human Geography preferred but not required; reading and writing at or above grade level.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Advanced Placement World History is the newest course added to the Eaglecrest Social Studies AP curriculum. Unique among the AP social studies/humanities offerings from the College Board, the course covers 10,000+ years of prehistory/history. Divided into 6 chronological eras, the course will focus on key historical themes and content within each of these six periods. Themes include human migration; impacts of regional and transregional trade systems; the rise of empires and nation-states; the influence of religion, belief systems, and philosophy, cultural achievement in the form of art, architecture, etc., and much more. Along the way we will also find time to investigate the great events and people that make the study of history stimulating and worthwhile. Moreover, in AP World History care is taken to ensure that the student's ability to 'be' a historian is advanced. Analysis and evaluation of sources, historical forms of writing, and advancing the processes of thinking like a historian are all emphasized. In short, Advanced Placement World History is for the student who wants to not only learn the global human past, but also desires a deeper understanding of what makes history the "King" of the social sciences.

### ADVANCED PLACEMENT UNITED STATES HISTORY

**Prerequisite:** Instructor approval and students must meet Honors course standards through department screening.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



AP United States History is offered to students who wish to complete studies equivalent to an introductory college course in United States History. The AP program in United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. The structure of the course is designed to prepare students for the Advanced Placement test in the spring.

### ADVANCED PLACEMENT HUMAN GEOGRAPHY

**Prerequisite:** Teacher recommendation and students must meet Honors course standards through department screening. Reading and writing at or above grade level.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



AP Human Geography is offered to students who wish to complete studies equivalent to an introductory college course in human geography. The purpose of the Advanced Placement course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Geography topics will be covered in great depth and will include perspectives of human geography, population, cultural patterns and processes, political organization of space, urban and rural land use, and industrialization and economic development. The structure of the course is designed to prepare students for the Advanced Placement test in the spring.

Advanced Placement Human Geography is a college-level course offered to qualified and motivated juniors and seniors. Adhering to the essential outline by the College Board, the course is structured and delivered as an undergraduate university class.

The purpose of the Advanced Placement course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Geography topics will be covered in great depth and will include perspectives of human geography, population, cultural patterns and processes, political organization of space, urban and rural land use, and industrialization and economic development. This is an excellent course for students considering studying the social sciences at the university level.

### ECONOMICS

**Prerequisite:** United States History

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12



Current economic issues will serve as a foundation for the application of economic theory in this semester course. Analysis of the American economic system as it relates to the individual and other economic systems will be a focus. Specific units will cover microeconomic concepts such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic topics will include money and banking, monetary and fiscal policy, international trade and the impact of globalization. Comparative economic systems are also covered.

### PSYCHOLOGY

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12



Psychology is designed to provide students with a fundamental understanding of the science of human behavior. This class will present students with a basic view of the field of study and will cover theories of personality, mental, emotional and physical development as they relate to the understanding of behavior. Psychology is a one semester, academically challenging course, designed to provide the foundation for and introduction to basic psychological principles and theories. Students explore functions of the brain and mind; learning and cognitive processes; infant and adolescent development; studies in personality and abnormal and clinical psychology. Students will attain this knowledge through a variety of academic methods including long-range projects, experiments, and activities.

### ADVANCED PLACEMENT ART HISTORY

**Prerequisite:** None

**Credit:** 1 unit-1/2 credit may be added to social studies

**Course Length:** Year

**Grades:** 10-12



This course is designed for the college bound student pursuing ANY major. The emphasis will be upon learning about the art and history of other cultures. Reading and writing are an expectation and requirement of the course. Students should expect to participate in activities outside school grounds: museum and gallery visits, and other field trips. AP Art History will give college bound students a solid background for Humanities related courses at the university level. This course is an excellent choice for students who have interest in and of the following areas: Fine Arts, Language Arts, History, or Linguistics courses. This course is open to 10-12 grade students and does not have a prerequisite. BOOK/MATERIALS FEE: Required.

### ADVANCED PLACEMENT PSYCHOLOGY

**Prerequisite:** Social studies and science instructor approval, students must meet honors course standards through department screening.

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 12



AP Psychology is offered to qualified students who wish to complete studies equivalent to an introductory college course in Psychology. The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. The structure of the course is designed to prepare students for the Advanced Placement test in the spring.

### SOCIOLOGY

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12



This course examines the science of understanding society and group behavior. Emphases will be on society's culture, institutions, and organizations. Students will examine values and norms, socialization, social change, social problems, and contemporary issues. Sociology is a one semester, academically challenging course, designed to provide the foundation for and introduction to basic sociological principles and theories. Sociology is the study of groups and human interaction. In this survey style class, students will look at a variety of sociological topics including, culture, society, institutions, social inequality, and social deviance. Students will attain this knowledge through a variety of academic methods including long range projects, experiments, and activities.

## **GOVERNMENT**

**Prerequisite:** Sophomores can take this course only if it is taken concurrently with United States History.

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12



This course presents the fundamental concepts of American government. The functions of national, state, and local governments and their relationships to the citizens of the United States are covered. Various governmental problems at all levels of government are presented. The responsibilities and obligations of both the citizen and the government to each other are an integral part of this course. A comparison of other important political systems is included in the course.

## **ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS**

**Prerequisite:** Teacher recommendation and students must meet honors course standards through department screening. Reading and writing at or above grade level.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



AP Government and Politics is offered to qualified students who wish to complete studies equivalent to an introductory college course in government. The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. The structure of the course is designed to prepare students for the Advanced Placement test in the spring.

## **AMERICAN GOVERNMENT – ONLINE**

**Prerequisite:** None

**Credit:** 1/2 Credit (social studies fulfills state and civics requirements)

**Course Length:** Semester

**Grades:** 9-12

American Government focuses on the constitutional principles of the United States republican form of government and how to apply this constitutional knowledge to form an understanding of government and its relationships on the local, state, national, and international levels.

## **YOU AND THE LAW**

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12



This course focuses on basic concepts of American law and its application to everyday situations. In addition, the course provides background on the legal process and addresses a variety of legal problems teenagers may encounter. High-interest cases are explored through dramatizations, simulations, and other activities.

## **GEOGRAPHY - ONLINE**

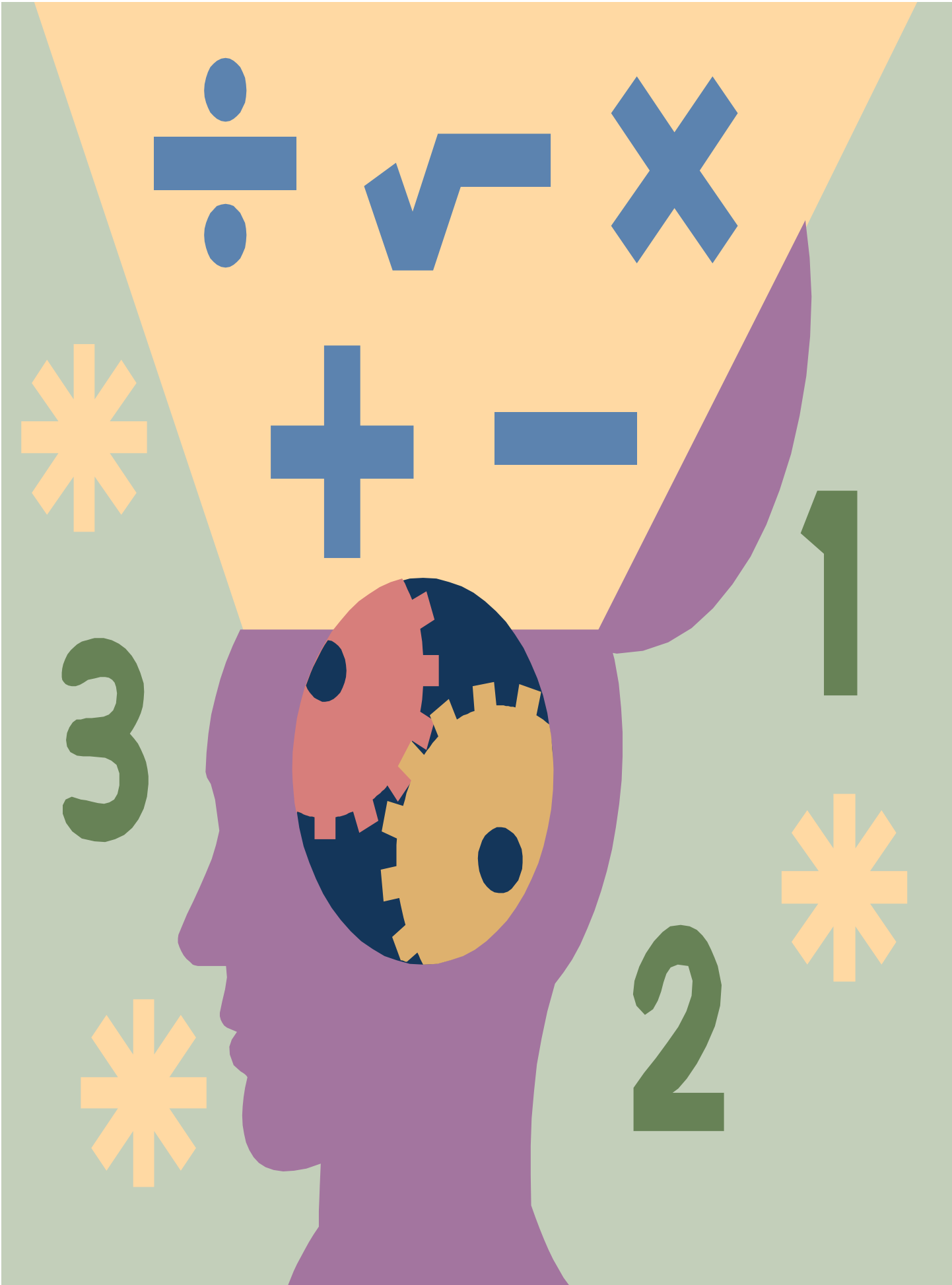
**Prerequisite:** None

**Credit:** 1/2 unit (Social Studies)

**Course Length:** Semester

**Grades:** 9-12

Geography is a semester long course designed to introduce students to the major themes of space, people, culture, economics and resource issues. Students in this course will be exposed to these geographical themes by studying major regions of the world including Africa, Asia, Europe, North and South America. Students taking this course are expected to master the use of maps and spatial data sets, as well as complete projects and papers.



# MATHEMATICS

## Most Selective – 4 credits needed

### 8th grade class: Algebra 1

9th	Geometry or Honors Geometry
10th	Algebra 2 or Honors Algebra 2
11th	Precalculus/Trig. or Honors Precalculus/Trig.
12th	AP Calculus (AB or BC) or AP Statistics

## Highly Selective – 3-4 credits needed

### 8th grade class: Algebra 1

9th	Geometry or Honors Geometry
10th	Algebra 2 or Honors Algebra 2
11th	Precalculus/Trig. or Honors Precalculus/Trig.
12th	AP Calculus AB or BC or AP Statistic or Discrete Math

### 8th grade class: Math 8

9th	Algebra 1
10th	Geometry or Honors Geometry
11th	Algebra 2 or Honors Algebra 2
12th	Precalculus/Trig. or Honors Precalculus/Trig. or Discrete Math

## Selective – 2 or 3 credits needed

### 8th grade class: Algebra 1

9th	Geometry
10th	Algebra 2
11th	Pre Calculus/Trig. or Discrete Math/College Algebra

### 8th grade class: Math 8

9th	Algebra 1
10th	Geometry
11th	Algebra 2

### 12th grade suggested choices from the elective classes below:

- Discrete Math (1.0 credit)
- Precalculus/Trig. or Honors Pre Calculus/Trig.
- AP Calculus – AB or BC
- AP Statistics

## MATHEMATICS CURRICULUM

The Mathematics Department of Eaglecrest believes in the philosophy set forth in the *Curriculum and Evaluation Standards for School Mathematics* (1989), the *Professional Standards for Teaching Mathematics* (1991), and the *Assessment Standards for School Mathematics* (1995), all published by the National Council of Teachers of Mathematics (NCTM). These documents served as the basis for the development of the Colorado State Model Content Standards and the Cherry Creek District Proficiencies. These *Standards* state that a school curriculum should be organized so as to permit all students to reach their fullest mathematical potential. Students should learn to value mathematics, become confident in their own ability, become mathematical problem solvers, learn to communicate mathematically, and learn to reason mathematically.

Course Title	Grade	Credit
Foundations of Math 1	9-10	1
Foundations of Math 2	9-11	1
Foundations of Math 3	11-12	1
Algebra 1X	9-12	1
Algebra 1	9-12	1
Geometry	9-12	1
Honors Geometry	9-10	1
Algebra 2	9-12	1
Honors Algebra 2	9-12	1
Pre-Calculus/Trigonometry	9-12	1
Honors Pre-Calculus/Trigonometry	9-12	1
Discrete Math/College Algebra	11-12	1
Advanced Placement Statistics	11-12	1
Advanced Placement AB Calculus	11-12	1
Advanced Placement BC Calculus	11-12	1
Calculus 3/Differential Equations	11-12	1

## ALGEBRA 1X

**Prerequisite:** Approval of Mathematics Coordinator/Teacher recommendation

**Credit:** 1 unit of Mathematics credit, 1 unit of elective credit

**Course length:** Year

**Grades:** 9-12

This course meets for two periods.

Algebra 1X is designed for students who have struggled with mathematics in middle school and need the structure and support of a daily math class. A student who successfully completes Algebra 1X will be prepared for geometry the following year. Algebra 1X deals with the fundamental concepts of algebra focusing on those topics related to evaluating expressions and solving equations. Topics include polynomials, linear and quadratic equations, systems of equations, radicals, graphing, inequalities, functions, real numbers, probability and statistics. Whenever possible, students will develop concepts through a problem solving approach.

## ALGEBRA 1

**Prerequisite:** Teacher recommendation

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9-12



Algebra 1 is the study of algebraic symbolism, systems of equations, graphing, problem solving, and probability and statistics. The students will build upon their previous knowledge to further understand the characteristics and representations of various functions and relations, including first-degree equations and inequalities, polynomials, exponential and radical expressions, and quadratic equations.

## GEOMETRY

**Prerequisite:** Successful completion of Algebra 1.

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9-12



Geometry presents a thorough study of ideas and logical reasoning through the use of the axiomatic system. The course will include the topics of plane, solid, and coordinate geometry. Concepts studied will include lines, planes, angles, triangles, circles, polygons, area, surface area, volume, perimeter, and right triangle trigonometry. The maintenance of algebraic skills will be emphasized.

## HONORS GEOMETRY

**Prerequisite:** Completion of Honors Algebra 1 with a C or better and with teacher recommendation

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9 or 10



This course deals with the same topics as geometry, but in more depth. Additional topics to be covered are logic, laws of sines and cosines, and Euclidean Geometry.

## ALGEBRA 2

**Prerequisite:** Successful completion of Algebra 1 and Geometry can be taken concurrently with geometry with teacher recommendation.

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9-12



Algebra 2 students will study both real and complex numbers, as well as relations, functions and their operations. Students will work with linear, quadratic, and higher-order polynomial, radical, rational, absolute value, exponential/logarithmic functions, including graphing and transformations of graphs. The counting principle, probability, and statistics are also covered.

## HONORS ALGEBRA 2

**Prerequisite:** Completion of Honors Algebra 1 and Honors Geometry with a grade B or better or completion of Algebra 1 and Geometry with a A or better or **TEACHER RECOMMENDATION**

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9-12



This course includes the same topics as Algebra 2 covered in more depth with the addition of these topics: vectors, matrices, and determinants.

## PRE-CALCULUS/TRIGONOMETRY

**Prerequisite:** Students must have earned a C or better in Algebra 2

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9-12



This course encompasses the prerequisite topics needed for the study of AP Calculus AB. These include functions that are linear, polynomial, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise defined. Trig applications include vectors and parametric equations.

## HONORS PRE-CALCULUS/TRIGONOMETRY

**Prerequisite:** Successful completion of Algebra 2 and teacher recommendation

**Credit:** 1 unit

**Course length:** Year

**Grades:** 9-12



This course encompasses the prerequisite topics needed for the study of AP calculus AB and AP Calculus BC. These include functions that are linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric and piecewise defined. Trig applications include vectors, parametric equations, and polar equations. Also limits and differentiation.

## DISCRETE MATH/COLLEGE ALGEBRA\*

**Prerequisite:** Successful completion (C or better) of Algebra 2/Trigonometry

**Credit:** 1 unit

**Course length:** Year

**Grades:** 11-12



Semester one is a Discrete Mathematics Course. This course is a survey of investigations of topics from modern mathematics. Major units include basic probability and statistics, social choice (voting systems, weighted voting systems fair division, and apportionment) and graph theory (Euler and Hamilton paths and circuits, shortest paths, optimum networks, and scheduling and conflict problems). Emphasis is on investigation, analysis, and communication. This course is intended for the college-bound student interested in pursuing non-mathematical studies.

Semester two is a College Algebra Course. This course will cover advanced math topics necessary for college success in math or non-math related majors. Topics studied include: graphs and applications of linear, quadratic, polynomial, and exponential functions; conic sections and elementary trigonometry. Students intending to pursue a college education and not taking Pre-Calculus are strongly encouraged to take this course.

Students who qualify will have the opportunity to take this course (MAT 121) for college credit through the Community College of Aurora. In order to qualify, students must have an ACT score of 23 or higher OR score above the recommended level on the Elementary Algebra portion of the Accuplacer Exam.

\*College Algebra is College Ready.

## ADVANCED PLACEMENT STATISTICS

**Prerequisite:** Successful completion (C or better) of Algebra 2/Trigonometry. This course may be taken concurrently with Precalculus, AP Calculus AB or AP Calculus BC.

**Credit:** 1 unit

**Course length:** Year

**Grades:** 11-12



This is an advanced course in statistics. Topics include exploratory analysis of data, planning a study and collection of data, producing statistical models using probability distributions, and statistical inference. The pace and rigor of instruction will be geared toward preparing students for the AP Exam, which they are expected to take in the spring.

**NOTE: Students can earn college credit by taking the Advanced Placement Statistics Examination in the spring.**

## ADVANCED PLACEMENT CALCULUS AB

**Prerequisite:** Successful completion (C or better) of Precalculus or Honors Precalculus

**Credit:** 1 unit

**Course length:** Year

**Grades:** 11-12



This course emphasizes a multi representational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically and verbally. Topics include graphs and limits, differentiation, applications of differentiations, integration, and applications of integration. The primary goal of this course is successful performance on the AP calculus AB Exam.

## ADVANCED PLACEMENT CALCULUS BC

**Prerequisite:** Successful completion (C or better) of Honors Precalculus

**Credit:** 1 unit

**Course length:** Year

**Grades:** 11-12



This is the more rigorous of the two AP calculus courses we offer. Students will learn both the theoretical foundations and proper techniques of both differential and integral calculus and apply them extensively in problem-solving contexts. The pace and rigor of instruction will be geared toward preparing students for the AP Exam, which they are expected to take in the spring.

**NOTE: Students can earn college credit by taking the Advanced Placement Calculus Examination in the spring. Students may take AP Calculus AB or BC Exam.**

## CALCULUS 3/DIFFERENTIAL EQUATIONS

**Prerequisite:** Completion of BC Calculus with a grade of 3 or higher on the AP exam.

**Credit:** 1 unit

**Course length:** Year

**Grades:** 11-12



Calculus 3: This course represents the continuation of the calculus sequence. It is a systematic approach to the understanding of multivariable calculus. Topics include: vectors and vector valued functions, functions of several variables, multiple integrals, and vector analysis.

Differential Equations: Differential equations are widely used as a tool for modeling diverse phenomena ranging from population growth to elementary particles. Topics include first order equations, linear equations with constant coefficients, higher order equations, Laplace transforms, systems of equations, and applications.

### **FOUNDATIONS OF MATH 1**

**Prerequisite:** Teacher recommendation and Student Achievement Services Coordinator

**Credit:** 1 unit/See SAS Coordinator

**Course length:** Year

**Grade:** 9-10



Essentials is designed to bolster basic mathematics and study skills and to develop a problem solving foundation for exploring mathematics. This course is especially designed to address pre-basic and basic levels of proficiencies and to support the success of a student in Foundations Math Essentials 2.

**\*\*Note:** Most students earn elective credit only in this course and not mathematics graduation credit.

### **FOUNDATIONS OF MATH 2**

**Prerequisite:** Teacher recommendation and Student Achievement Services Coordinator

**Credit:** 1 unit/See SAS Coordinator

**Course length:** Year

**Grade:** 9-11



This course only taught in the Student Achievement Services department, is designed for students who completed Foundations of Math 1 with a C or better and need another year of preparation before entering Algebra 1.

**\*\*Note:** Most students earn elective credit only in this course and not Mathematics graduation credit.

### **FOUNDATIONS OF MATH 3**

**Prerequisite:** Teacher recommendation and Student Achievement Services Coordinator

**Credit:** 1 unit/See SAS Coordinator

**Course length:** Year

**Grade:** 11-12



Foundations of Math 3 applies algebra topics and techniques in every day money management problem solving. Topics include: types of loans, interest problems, budgeting and managing finances. This course is not available to students who have completed Algebra, Geometry, and Algebra 2.

### **COLLEGE ALGEBRA - ONLINE (Dual credit with the University of Colorado at Denver)**

**Prerequisite:** Algebra II with a C or better

**Credit:** 1/2 unit (Mathematics) plus 3 college credits

**Course length:** Semester

**Grade:** 11-12



Topics in algebra designed for students who intend to take calculus in college. Functions, domains, ranges, graphs, data scatter plots and curve fitting, solving equations and systems of equations, polynomial functions, rational functions, and selected other topics. Graphic calculators and/or computer algebra systems are used extensively. Applications are emphasized. Students are responsible for paying tuition for university credit.

### **COLLEGE TRIGONOMETRY - ONLINE (Dual credit with the University of Colorado at Denver)**

**Prerequisite:** College Algebra

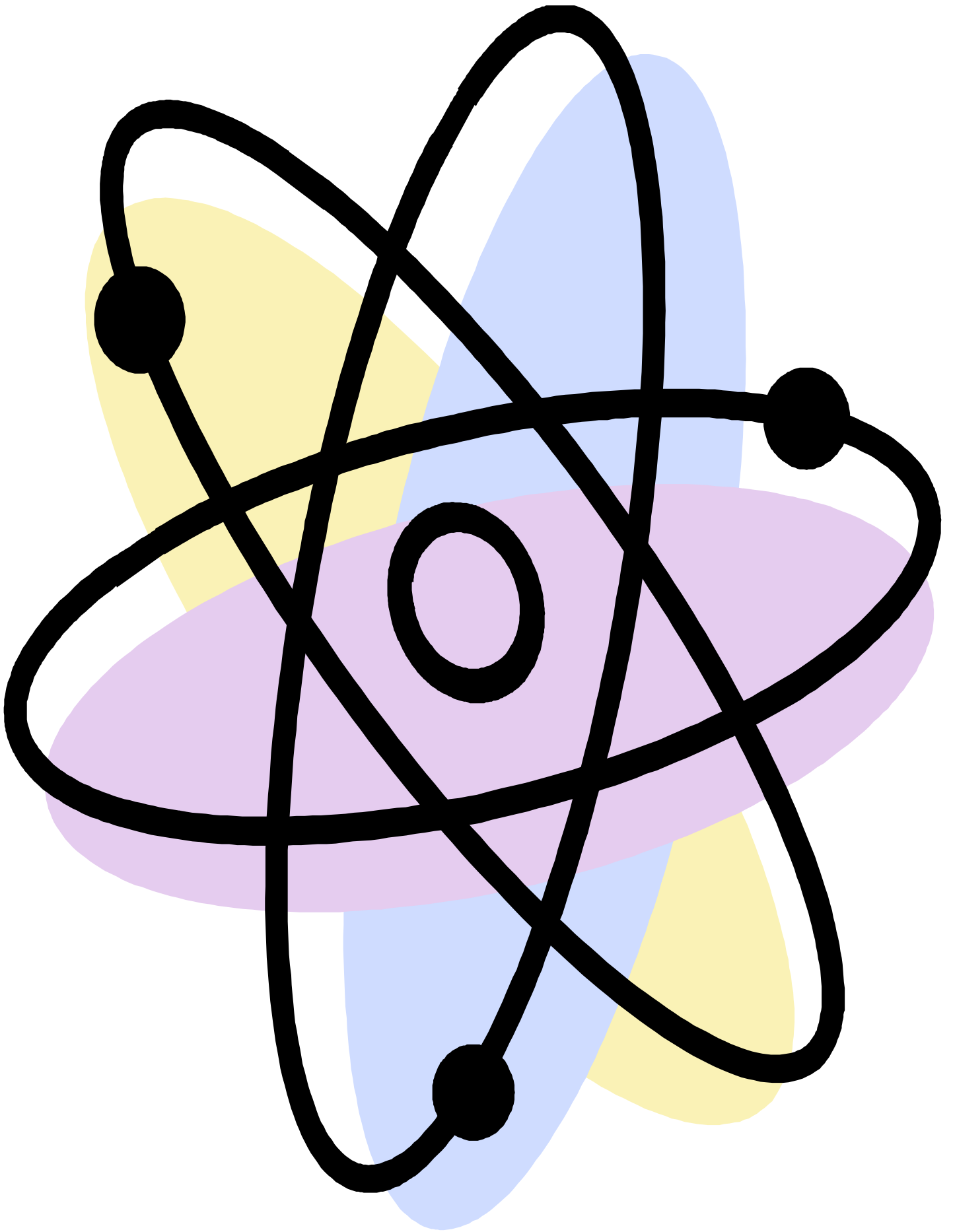
**Credit:** 1/2 unit (Mathematics) plus 3 college credits

**Course length:** Semester

**Grade:** 11-12



Topics in trigonometry, analytic geometry, and elementary functions designed for students who intend to take calculus in college. Angles and trigonometry functions of acute angles, analytic trigonometry, fundamental trigonometric functions and identities including hyperbolic trigonometry, parametric equations, and polar coordinate system. Graphic calculators and/or computer algebra systems are used extensively. Applications are emphasized. Students are responsible for paying tuition for university credit.



# SCIENCE

## Most Selective – 4 credits needed

- 9th Biology or Honors Biology (9th grade math: Geometry)
- 10th Chemistry or Honors Chemistry
- 11th Physics or Honors Physics, AP Environmental Science or AP Biology
- 12th AP Environmental Science, AP Biology, AP Chemistry, or AP Physics C (Mechanics) or AP Physics C (Mechanics & Electromagnetism)

## Very Selective – 3-4 credits needed

- 9th Biology or Honors Biology (9th grade math: Geometry)
- 10th Chemistry or Honors Chemistry
- 11th Physics or Honors Physics, AP Environmental Science or AP Biology
- 12th AP Environmental Science, AP Biology, AP Chemistry, or AP Physics C (Mechanics)

## Selective Colleges – 2-3 credits needed

- 9th Biology (9th grade math: Geometry)
- 10th Earth & Physical Science
- 11th Chemistry
- 12th Physics (strongly suggested) or \*Elective

## Less Selective – 2-3 credits needed

- 9th Biology (9th grade math: Algebra 1)
- 10th Earth & Physical Science
- 11th Chemistry (strongly suggested) or \*Elective
- 12th \*Elective

\*Other Science Electives: Anatomy, Astronomy, Conservation Biology & Colorado Ecology, Geology, and Materials Science

## SCIENCE CURRICULUM

Course Title	Grade	Credit
Biology/Honors and Essentials	9	1
Earth and Physical Science and Essentials	10	1
Chemistry/Honors	10-12 (9)*	1
Conservation Biology & Colorado Ecology	11-12	1
Physics/Honors	11-12 (10)*	1
Materials Science	10-12	1
Geology	11-12 (10)*	1/2
Astronomy	11-12 (10)*	1/2
Anatomy and Physiology	11-12	1/2
Science Research	9-12	1
Advanced Placement Chemistry	11-12	1
Advanced Placement Environmental Science	11-12 (10)*	1
Advanced Placement Biology	11-12 (10)*	1
Advanced Placement Physics C-(Mechanics)	11-12	1
Advanced Placement Physics C-(E&M)	11-12	1/2

\*Students in grades shown in parentheses may take course only with permission of science coordinator.

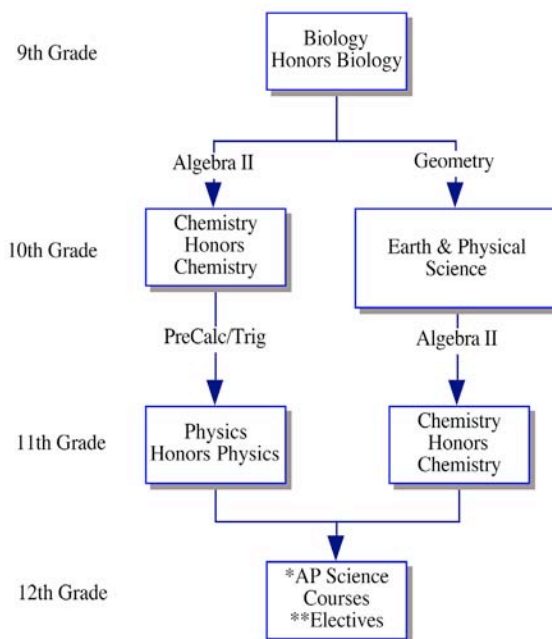
†=These courses may be taken for Honors credit - see instructor.

## ADDITIONAL SCIENCE ELECTIVES (Does not fulfill science requirements)

Science Lab Assistant	10-12	1/2
Laboratory Technician	10-12	1/2

The Colorado Commission on Higher Education requires that students entering any state funded university or college complete 3 years of science, including 2 lab based courses. It is strongly recommended that students planning on entering college after high school complete 4 years of science to increase their likelihood of gaining acceptance to the school of their choice.

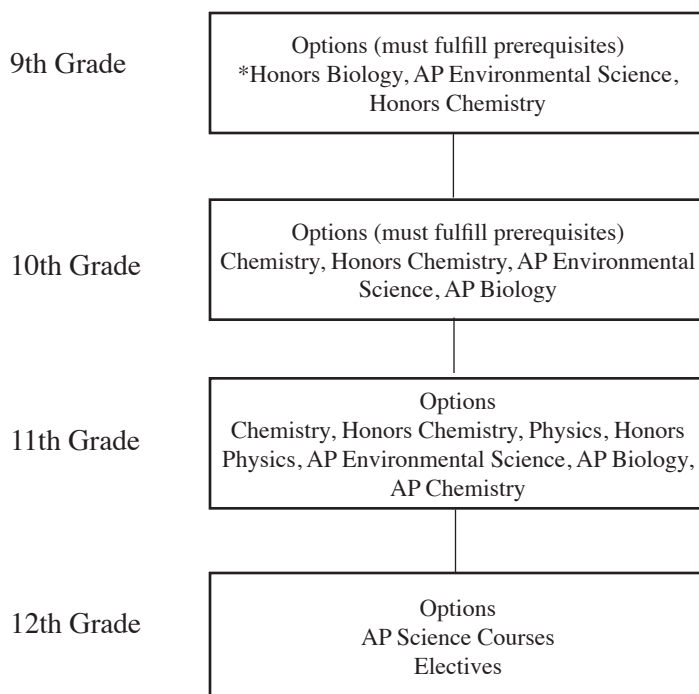
# SCIENCE FLOW CHARTS



\*AP Science Courses include AP Environmental Science, AP Biology, AP Chemistry, AP Physics C (Mechanics), AP Physics C (Mechanics & EM)

\*\*Elective courses include Anatomy, Astronomy, Conservation Biology and Colorado Ecology, Geology, and Materials Science

## ACCELERATED PATHWAY



**ALL SCIENCE COURSES REQUIRE TEACHER SIGNATURES OR PERMISSION OF THE EAGLECREST SCIENCE DEPARTMENT COORDINATOR.**

**BIOLOGY**

**Prerequisite:** Middle school science teacher recommendation

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 9



In this class, students will explore relationships between structure and function in organisms and the interaction of cells and organisms with each other and their environments. Units of study will include: ecology, chemistry of life, cellular structure and function, genetics, evolution, classification, and human systems. Laboratory activities reinforce concepts and principals presented.

**BIOLOGY HONORS**

**Prerequisite:** Middle School Science Teacher recommendation is required. A or B in 8th grade Science

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 9



In this class, students will explore relationships between structure and function in organisms and the interaction of cells and organisms with each other and their environments. Units of study will include: ecology, chemistry of life, cellular structure and function, genetics, evolution, classification, and human systems. Laboratory activities reinforce concepts and principals presented. This course covers the same topics as the regular biology program, but in a greater depth and at an accelerated rate.

**EARTH AND PHYSICAL SCIENCE**

**Prerequisite:** Successful completion of Biology

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 10



EPS is a full-year course designed to provide the student with a solid foundation in basic chemistry, physics, and Earth science concepts. Students will study common forms, properties, and changes in matter and energy, and will relate physics and chemistry concepts to the processes and interactions of scientific investigation, and reinforce algebraic math skills used to solve science problems.

**EARTH AND PHYSICAL SCIENCE ESSENTIALS**

**Prerequisite:** 8th grade science teacher or counselor recommendation and Student Achievement Services Coordinator

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



Essentials of EPS is a standards-based, laboratory science clas. Units of study include: commong forms, properties, and changes in matter and energy, and will relate physics and chemistry concepts to the processes and interactions of scientific investigation.

**BIOLOGY - ONLINE**

**Prerequisite:** None

**Credit:** 1 unit (Science)

**Course Length:** Year

**Grades:** 9-12

Biology is an ecological approach to the study of life science. Students will discover the interrelationships between organisms and the environment, how organisms are classified, and mechanisms for adaptations that lead to biodiversity. Students will perform simulations and labs at home with equipment provided.

**CHEMISTRY**

**Prerequisite:** Students must be concurrently enrolled in or have successfully completed Algebra II (C or better). Students must get approval from their current science teacher.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12 (9th by permission only)



This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter and the interaction of mass and energy. Units of study include: matter and its changes, atomic structure, chemical composition, nomenclature, reactions, stoichiometry, gas laws, periodicity, bonding, molar geometry, and thermo chemistry. Laboratory activities reinforce concepts and principles presented in this course.

**CHEMISTRY HONORS**

**Prerequisite:** Student must be concurrently enrolled in or have successfully completed Algebra II (C or better). Students must get approval from their current science teacher.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10- 12 (9th by teacher recommendation only)



This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter and the interaction of mass and energy. Units of study include: matter and its changes, atomic structure, chemical composition, nomenclature, reactions, stoichiometry, gas laws, periodicity, bonding, molar geometry, and thermo chemistry. Laboratory activities reinforce concepts and principles presented in this course. This course covers the same topics as the regular Chemistry program, but in a greater depth and at an accelerated rate.

Students enrolled in honors chemistry will find the pacing of the course to be more rigorous, additional topics will be covered and there is an increase in the amount of independent study.

**PHYSICS**

**Prerequisite:** Current science teacher recommendation and successful completion of lab science courses 9/10 and completion or concurrent registration in Algebra II

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11- 12 (10th by permission only)



This course helps students understand the physical laws of our world. Units of study include: forces, motion, energy, light, waves, electricity, and magnetism. Laboratory work serves to promote understanding and to illustrate the experimental nature of physics.

### PHYSICS HONORS

**Prerequisite:** Current science teacher recommendation and completion or concurrent registration in Pre-Calculus

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12 (10th by permission only)



This course helps students understand the physical laws of our world. Units of study include: forces, motion, energy, light, waves, electricity, and magnetism. Laboratory work serves to promote understanding and to illustrate the experimental nature of physics. This course covers the same topics as the regular Physics program, but in a greater depth and at accelerated rate.

### ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

**Prerequisite:** Successful completion of Earth and Physical Science, and Biology, or recommendation of science teacher. Advanced reading skills required.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12 (10th by permission only)



AP Environmental Science is designed to be the equivalent of a college introductory Environmental Science course. The curriculum for this class is the College Board Advanced Placement Environmental Science Curriculum. Units of study will include: Earth science concepts, the atmosphere, global water resources and use, soil and soil dynamics, ecosystem structure, energy flow, global water resources and use, soil and soil dynamics, ecosystem structure, energy flow, ecosystem diversity, natural ecosystem change, and natural biogeochemical cycles. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course.

Field trips and fieldwork are a part of this course. Students are expected to take the AP exam in the spring. **Exam fee required.**

### ADVANCED PLACEMENT BIOLOGY

**Prerequisite:** Successful completion of Biology, and completion of or currently taking Chemistry, or recommendation of science teacher. Advanced reading skills required with the ability to analyze and synthesize material.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



AP Biology is designed to be the equivalent of a college introductory biology course. The curriculum for this class is the College Board Advanced Placement Biology Curriculum. Units of study will include: chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course.

The depth and pace of the subject matter, as well as, the complexity of laboratory experiments may require meetings outside of class times and nightly homework. Students will be expected to take the AP exam in May.

### ADVANCED PLACEMENT CHEMISTRY

**Prerequisite:** Successful completion of Chemistry or permission of instructor. Students should be concurrently enrolled in or have completed Pre-Calculus

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



AP Chemistry is designed to be the equivalent of a college introductory Chemistry course. The curriculum for this class is the College Board Advanced Placement Chemistry Curriculum. Units of study will include: atomic theory and atomic structure, chemical bonding, nuclear chemistry, gases, liquids and solids, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics and descriptive chemistry. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course.

The depth and pace of the subject matter, as well as the complexity of the laboratory experiments requires meeting for the equivalent of one and a half class periods. College credit is awarded by individual universities based on the students' performance on the national AP Chemistry exam given in May. **Exam fee required.**

### ADVANCED PLACEMENT PHYSICS C - (MECHANICS)

**Prerequisite:** Physics/Honors Physics OR any AP Calculus

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Advanced Placement Physics matches the first-semester course in the college sequence that serves as the foundation in physics for students majoring in science or engineering. Strong emphasis is placed on solving a variety of challenging problems, some of which require basic and intermediate calculus. The course will comprise a variety of topics in Newtonian mechanics, including kinematics, Newton's laws, momentum, energy, rotational motion, gravitation, and simple harmonic motion. Students who take this course will be expected to take the AP Physics Mechanics exam in May. **Exam fee required.**

### ADVANCED PLACEMENT PHYSICS C - (ELECTRICITY AND MAGNETISM - 2ND SEMESTER)

**Prerequisite:** Concurrent enrollment in AP Physics C - Mechanics) and any Calculus course

**Credit:** 1/2 unit

**Course Length:** 2nd Semester

**Grades:** 11-12



This course matches the second semester of the college sequence that serves as the foundation in physics for students majoring in science or engineering. The sequence is preceded by courses in physics. Strong emphasis is placed on solving a variety of challenging problems, some of which require intermediate or advanced calculus. Topics include electrostatics, circuits, magnetism, and electromagnetic inductance.

The depth and pace of the subject matter require a background in both physics and calculus, so students must be concurrently enrolled in AP Physics C - (Mechanics) and any calculus course. Students will be expected to take the AP Physics Electricity and Magnetism exam in May.

## MATERIALS SCIENCE

**Prerequisite:** Algebra 1 with a C or better, Geometry co-requisite. Teacher signature from previous science class

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Approximately 15 billion tons of raw materials are extracted from the Earth annually to produce every kind of stuff found in every kind of thing. Materials Science is the study of the formation, structure, and properties of these materials, from the microscopic to the macroscopic scale. Metals, polymers, composites, and ceramics are the four basic components of solid-state chemistry that comprise materials science. Students will examine and make predictions concerning these four components through hands-on, lab-based learning. Students will have the opportunity to learn about why certain materials are used in manufacturing and have a practical, relevant application of science to their world. This course is applicable in every field from auto mechanics to medicine and aerospace engineering.

## CONSERVATION BIOLOGY AND COLORADO ECOLOGY

**Prerequisite:** Successful completion of two years of Science, including Biology

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Conservation Biology and Colorado Ecology (CBCE) provides and introduction to important conservation biology concepts and focuses on the Earth's biological diversity, the values of maintaining biodiversity, how threats influence populations and species, and solutions to dealing with those threats. The course investigates Colorado ecology issues and expands our investigations to worldwide concerns. This course goal is to empower students and future generations to make informed conservation decisions that facilitate a balance between protecting biological diversity and providing for human needs on a local, national, and international level. The CBCE course curriculum fulfills requirements for the EHS International Studies Certificate Program.

## ANATOMY AND PHYSIOLOGY

**Prerequisite:** Successful completion of two years of science.

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12



Anatomy and Physiology is designed for students with an interest in the human body and/or medical sciences. This course starts with a basic overview of cells and their components, as well as, a review of the chemistry necessary to properly understand how cells and parts of the human body function. Students will study the organ system in great depth; including structure, shape, function, and relationship to other systems. This course involves a mixture of lecture, lab work, and dissection.

## ASTRONOMY

**Prerequisite:** Successful completion of two years of science.

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12 (10 by permission only)



This course focuses on the modern science of astronomy and cosmology. The process of scientific study provides the foundation of this course. Students will study the relationship of the Earth with our solar system, our galaxy and the universe. Some topics include planets, stars, black holes, quasars, stellar evolution, and other solar phenomena.

## GEOLOGY

**Prerequisite:** Successful completion of two years of science.

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12



This course examines the physical and historical geology of the Earth. Topics studied will include rock and mineral identification through physical and chemical techniques, plate tectonics and landforms, mass wasting, and natural resources.

## GEOLOGY - ONLINE

**Prerequisite:** None

**Credit:** 1/2 unit (Science)

**Course Length:** 1 Semester

**Grades:** 11-12

Geology will examine the Earth as a dynamic system. Students will examine processes for and evidence of how the Earth renews itself, including weathering, erosion, and plate tectonics. Students will also learn about the costs, benefits and consequences of using every resources. Students will perform labs at home with equipment provided.

## STUDENT ASSISTANT-SCIENCE

**Prerequisite:** 1 year of science or approval of instructor directing the assistant.

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12



The student will assist the science teacher in a variety of duties and responsibilities. These may include equipment care and organization, assisting in set-ups for experimentation, and assisting with clerical work.

## LABORATORY TECHNICAL ASSISTANT

**Prerequisite:** Must have been a Student Lab Assistant and have specific permission of instructor

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12



This course is designed to give the student a basic understanding of the maintenance and operation of a science laboratory, and may also include the chemistry prep room, animal room, and/or greenhouse. Students will acquire skills, which they must demonstrate, in the preparation of laboratory materials and will assist in classroom activities. Students are selected based on prior achievement, maturity, and sense of responsibility.

# WORLD LANGUAGES

## Most Selective

Students should complete 4 – 6 levels of study in a chosen language by the end of their senior year.

## Selective - Competitive 1

Students should complete 2 – 6 levels of study in a chosen language by the end of their senior year.

## Selective - Highly

Students should complete 3 – 6 levels of study in a chosen language by the end of their senior year.

## Competitive 2 - Less Selective

Students are strongly encouraged to complete two levels of study in a chosen language by the end of their senior year.

This is not a requirement, but is a strong recommendation from the World Language faculty. All Colorado State supported colleges will require one year of a world language for admission in 2010.

## WORLD LANGUAGE CURRICULUM

Course Title	Grade	Credit
French 1	9-12	1
French 2	9-12	1
French 3	9-12	1
Honors French 4	10-12	1
Advanced Placement French Language	11-12	1
German 3	10-12	1
Honors German 4	11-12	1
Advanced Placement German	11-12	1
Japanese 1	9-12	1
Japanese 2	9-12	1
Japanese 3	10-12	1
Advanced Placement Japanese	11-12	1
Latin 1	9-12	1
Latin 2	10-12	1
Latin 3	11	1
Honors Latin 4	12	1
Spanish 1	9-12	1
Spanish 2	9-12	1
Spanish 3	9-12	1
Honors Spanish 4	10-12	1
Advanced Placement Spanish Language	11-12	1
Advanced Placement Spanish Literature	11-12	1

## ELA CURRICULUM

English Language Acquisition Intake	9-12	1
English Language Acquisition I	9-12	1
English Language Acquisition II	9-12	1
English Language Acquisition III	9-12	1

## GUIDELINES FOR SELECTING A WORLD LANGUAGE

The study of a second language is an integral part of the international focus of Eaglecrest High School. As our world becomes increasingly interdependent, knowledge of other languages and cultures is becoming imperative. It is crucial to begin a second language early in order to build a strong foundation for successful language acquisition. Study through Level 3 of a secondary language is a minimum required by many colleges and universities. Students wishing to graduate with an International Studies certificate or Honors Diploma from Eaglecrest must complete through Level 4 of a World Language.

Eaglecrest modern language classes stress the communicative skills of speaking, listening, reading, and writing through real-life situations created in class or by means of modern technology. These courses are designed on a continuum progressing from very basic language structures and vocabulary in the beginning levels to more complex found in the upper levels. Each level builds and expands on structures and vocabulary learned at previous levels.

Because of Eaglecrest's ability to offer the latest in technology, including international communication via Internet, interactive video, satellite receiving capabilities, travel opportunities, our international focus, and our language program is very exciting.

Latin, the language of the ancient Romans, is the source of the modern Romance languages (French, Spanish, Italian, Portuguese and Romanian) and of 60% of our English vocabulary. It is useful for students wishing to improve their understanding of English grammar and vocabulary. An emphasis will be placed on reading and on the study of the daily life, history, and mythology of the Ancient Romans and Greeks.

## ADVANCED PLACEMENT LANGUAGES

Eaglecrest offers Advanced Placement World Language courses in French, German, Japanese, and Spanish. Students who enroll in AP World Language courses should already have a good command of grammar and vocabulary and have competence in listening, reading, speaking, and writing. Students who receive grades of 3 or better on the AP Language Examinations have achieved a level of proficiency comparable to that of college students who have completed **FIVE OR SIX SEMESTERS** of college language courses.

### FRENCH 1

**Prerequisite:** Grade level reading proficiency is recommended. Willingness to invest study time outside of school. Current World Language or English instructor's signature.

**Credit:** 1 unit  
**Course Length:** Year  
**Grades:** 9-12



This academically rigorous course is an introduction to the basic language skills in French: speaking, reading, writing and listening. Students will focus on listening comprehension and oral proficiency while they study and use basic grammatical structures. By the end of the course, students will be able to listen to and understand, read, write and speak simple dialogues and paragraphs in French. In addition, students will begin the study of the culture and people of French-speaking countries.

### FRENCH 2

**Prerequisite:** French 1A and 1B or French 1. Appropriate level of proficiency. Completion of level 1 or 1B with a "C" or better. Current World Language instructor's approval.

**Credit:** 1 unit  
**Course Length:** Year  
**Grades:** 9-12



Demonstrated proficiency in French 1, Middle School French 1A and 1B, or teacher recommendation. Students will continue to develop proficiency in the French language by expanding their skills in speaking, listening, reading and writing while continuing the study of French-speaking cultures. Grammar and vocabulary become more complex. In addition to daily oral practice, students will read and respond in writing to French materials.

### FRENCH 3

**Prerequisite:** French 2. Appropriate level of proficiency. Completion of level 2 with a "C" or better. Current World Language instructor's approval.

**Credit:** 1 unit  
**Course Length:** Year  
**Grades:** 9-12



Demonstrated proficiency in French 2 or teacher recommendation. Students will extend their vocabulary development, knowledge of grammar, and syntactical structures. There will be an emphasis on the development of reading and writing skills. Oral presentations and compositions will help students to express themselves with accuracy and confidence. Students will improve their reading comprehension by reading a variety of French genre. In addition, a more in-depth study of French life and culture will be studied.

#### **HONORS FRENCH 4**

**Prerequisite:** French 3. Appropriate level of proficiency. Completion of level 3 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Demonstrated proficiency in French 3 or teacher recommendation. Students will work on mastering their fluency in speaking and writing, and increase understanding reading and listening skills. The course stresses vocabulary building through oral discussion, reading and composition. Through an exploration of Francophone countries, various aspects of French civilization will be studied. This course will be conducted entirely in French.

#### **ADVANCED PLACEMENT FRENCH**

**Prerequisite:** French 4. Appropriate level of proficiency. Completion of Level 4 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Demonstrated proficiency in French 4 or teacher recommendation. The studies in this course are those required for students to successfully prepare to take the French Language Advanced Placement examination in the spring. Materials dealing with French history, civilization, literature, and culture will be used as a basis for intensive oral and written work.

#### **GERMAN 3**

**Prerequisite:** German 2. Appropriate level of proficiency. Completion of level 2 with a “C” or better. Current World Language instructor’s approval .

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Demonstrated proficiency in German 2 or teacher recommendation. Students will extend their vocabulary development, knowledge of grammar, and syntactical structures. There will be an emphasis on the development of reading and writing skills. Students will demonstrate their ability to communicate in a variety of ways with accuracy and confidence especially through oral presentations and compositions. Students will improve their reading comprehension by reading a variety of German genre. In addition, a more in-depth study of German life and culture will be studied.

#### **HONORS GERMAN 4**

**Prerequisite:** German 3. Appropriate level of proficiency. Completion of level 3 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Demonstrated proficiency in German 3 or teacher recommendation. Students will work on mastering their fluency in speaking and writing, and increase understanding reading and listening skills. The course stresses vocabulary building through oral discussion, reading and composition. Students will read a variety of literary, historical and contemporary works and will focus on German contributions to the arts and humanities. This course will be conducted entirely in German.

#### **ADVANCED PLACEMENT GERMAN**

**Prerequisite:** German 4. Appropriate level of proficiency. Completion of level 4 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Demonstrated proficiency in German 4 or teacher recommendation. This course will increase students’ confidence and control of all language skills including listening, speaking, reading, writing and culture in preparation for the Advanced Placement examination. Emphasis is on extensive in-depth reading and writing assignments based on literature, history and contemporary issues. Listening and speaking practice include class and online discussions, oral presentations, and speaking and listening practice in the language lab.

#### **JAPANESE 1**

**Prerequisite:** Grade level reading proficiency is recommended. Willingness to invest study time outside of school. Current World Language instructor’s approval or English instructor’s signature.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



This academically rigorous course is an introduction to the basic language skills in Japanese: speaking, reading, writing, and listening. Students will focus on listening comprehension and oral proficiency while they acquire an understanding of the Hiragana and Katakana alphabets as well as several Kanji (Chinese) characters. In addition, students will begin the study of the culture and people of Japan.

#### **JAPANESE 2**

**Prerequisite:** Japanese 1. Appropriate level of proficiency Completion of level 1 with a “C” or better. Current World Language instructor’s approval .

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



Demonstrated proficiency in Japanese 1 or teacher recommendation. Students will continue to develop proficiency in the Japanese language by expanding their skills in speaking, listening, reading and writing while continuing the study of the Japanese culture. Approximately 50 kanji are introduced. Students are prepared to have simple daily conversations and to understand and produce short essays and letters.

#### **JAPANESE 3**

**Prerequisite:** Japanese 2. Appropriate level of proficiency Completion of level 2 with a “C” or better. Current World Language instructor’s approval .

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Demonstrated proficiency in Japanese 2 or teacher recommendation. Students will continue to strengthen and refine their skills in speaking, listening, reading and writing Japanese while at the same time deepening their knowledge of the Japanese-speaking culture. Students will expand their knowledge of grammatical structures so that they will be able to express themselves more fluently in oral and written form and be able to access increasingly complex information through listening and reading. One hundred new kanji are introduced. Emphasis is placed on advanced conversation, grammar and composition.

### ADVANCED PLACEMENT JAPANESE

**Prerequisite:** Japanese 3. Appropriate level of proficiency. Completion of level 3 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Demonstrated proficiency in Japanese 3 or teacher recommendation. This academically rigorous course emphasizes the use of language for active communication. The objectives are: the development of a strong command of vocabulary and structure; the development of an understanding of the spoken language in various conversational situations; the ability to read and comprehend Japanese in a variety of Japanese genre; and the ability to express ideas in Japanese coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken form.

### LATIN 1

**Prerequisite:** Grade level reading proficiency is recommended. Willingness to invest study time outside of school. Present World Language or English instructor’s signature.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



Within the context of the Roman civilization and culture, this academically rigorous course will concentrate on learning the form and structure of Latin. Latin’s practical application to other languages especially English and its everyday usefulness are stressed. Basic grammar will be presented with a principal focus on reading. Emphasis is placed on vocabulary, syntax, translation, and word derivations.

### LATIN 2

**Prerequisite:** Latin 1. Completion of level 1 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Demonstrated proficiency in Latin 1 or teacher recommendation. Students will expand their knowledge of vocabulary, syntax and word derivations while continuing the study of grammar needed to read authentic Latin texts. Students improve translation skills through various readings and continue the study of history, mythology and culture. Comparisons with English grammar and derivatives are emphasized.

### LATIN 3

**Prerequisite:** Latin 2 completion of level 2 with a ‘C’ or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11



Demonstrated proficiency in Latin 2 or teacher recommendation. This academically rigorous course introduces students to Latin genre including Eutropius, Pliny, Cicero, Sallust and Ovid. Also, modern usage in law and medicine are studied. Emphasis is placed on the ancient rhetorical tradition and its influence on modern oratory.

### HONORS LATIN 4

**Prerequisite:** Latin 3 completion of level 3 with a ‘C’ or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 12



Demonstrated proficiency in Latin 3 or teacher recommendation. During this academically rigorous course, students will read and analyze prose and poetry by Ovid, Vergil, Horace, and/or Catullus. Students may be prepared to take the International Baccalaureate exam or the certificate in Classical Languages which offers the same university credit as the Advanced Placement examination.

### SPANISH 1

**Prerequisite:** Grade level reading proficiency is recommended. Willingness to invest study time outside of school. Present World Language or English instructor’s signature.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



This academically rigorous course is an introduction to the basic language skills in Spanish: speaking, reading, writing and listening. Students will focus on listening comprehension and oral proficiency while they study and use basic grammatical structures. By the end of the course, students will be able to listen to and understand, read, write and speak simple dialogues and paragraphs in Spanish. In addition, students will begin the study of the culture and people of Spanish-speaking countries.

### SPANISH 2

**Prerequisite:** Spanish 1A and 1B or Spanish 1. Appropriate level of proficiency. Completion of level 1 or 1B with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



Demonstrated proficiency in Spanish 1, middle school Spanish 1A and 1B, or teacher recommendation. Students will continue to develop proficiency in the Spanish language by expanding their skills in speaking, listening, reading and writing while continuing the study of Spanish-speaking cultures. Grammar and vocabulary become more complex. In addition to daily oral practice, students will read and respond in writing to Spanish materials.

### SPANISH 3

**Prerequisite:** Spanish 2. Appropriate level of proficiency. Completion of level 2 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12



Demonstrated proficiency in Spanish 2 or teacher recommendation. In this academically rigorous course, students will continue to acquire, expand and refine their knowledge and skills in speaking, listening, reading and writing Spanish while at the same time deepening their knowledge of Spanish-speaking cultures and the diversity within those cultures. Students will be expected to communicate ideas more fluently through spoken and written Spanish and will be able to access increasingly complex information through listening and reading.

#### **HONORS SPANISH 4**

**Prerequisite:** Spanish 3. Appropriate level of proficiency Completion of level 3 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Demonstrated proficiency in Spanish 3 or teacher recommendation. During this academically rigorous course, students enhance and expand their communicative skills through class discussion, individually reading Spanish literature from the Spanish-speaking world, oral presentations, written compositions, and comprehensive grammar review. Students also learn about Hispanic contributions to the arts and humanities. This course is conducted entirely in Spanish.

#### **ADVANCED PLACEMENT SPANISH LANGUAGE**

**Prerequisite:** Spanish 4. Appropriate level of proficiency. Completion of Level 4 with a “C” or better. Current World Language instructor’s approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12



Demonstrated proficiency in Spanish 4 or teacher recommendation. This academically rigorous course focuses on the use of language for active communication through the development of a robust command of vocabulary and structure, an understanding of the spoken language in various conversational situations, the ability to read and comprehend a variety of Spanish genre, and fluently and accurately express ideas orally and in writing. An in-depth study of Hispanic culture is also an important component of this course.

#### **ADVANCED PLACEMENT SPANISH LITERATURE**

**Prerequisite:** Appropriate level of proficiency. Level 4 Current World Language instructor’s approval or Department Coordinator approval.

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12



Demonstrated proficiency in Spanish 4 or teacher recommendation. During this academically rigorous course, students read, comprehend and analyze a variety of Spanish authors, genres, literary periods, and themes in the literature of Spain and Latin America. Reading comprehension skills and a review of grammar to improve writing skills are also included.

#### **INTAKE ELA**

**Prerequisite:** None

**Credit:** 2 English credits

**Course Length:** Year

**Grades:** 9-12

This course is for students who are new to the USA and have no or very little English language skills. Listening, speaking, reading, writing, vocabulary, and grammar are taught in a whole language context. This course meets every day. An ELA assessment is required.

#### **BEGINNING ELA or ELA I**

**Prerequisite:** None

**Credit:** 1 English credit

**Course Length:** Year

**Grades:** 9-12



This course is for students who have very limited English proficiency. Listening, speaking, reading, writing, vocabulary, and grammar are taught in a whole language context. An ELA assessment is required.

#### **INTERMEDIATE ELA or ELA II**

**Prerequisite:** None

**Credit:** 1 English credit

**Course Length:** Year

**Grades:** 9-12



This course is for students who have studied English at least 1-2 years. The curriculum focuses on the developmental stages of language acquisition through grammar, listening comprehension, speaking, reading, and writing. An ELA assessment is required.

#### **ADVANCED ELA or ELA III**

**Prerequisite:** None

**Credit:** 1 English credit

**Course Length:** Year

**Grades:** 9-12



This course is for students who have completed levels I and II and are performing at an intermediate level in English. Speaking, listening, reading, writing, vocabulary, and grammar are taught in a whole language context. An ELA assessment is required.



# MUSIC CURRICULUM

Course Title	Grade	Credit
<b>INSTRUMENTAL</b>		
Concert Band	9-12	1
Jazz Band 1	9-12	1
Jazz Band 2	9-12	1
Concert Orchestra	9-12	1
Symphonic Band	9-12	1
Symphonic Orchestra	9-12	1
Beginning Mariachi	9-12	1
Music Theory	10-12	1/2
Color Guard	9-12	1/2
<b>VOCAL</b>		
Cantare	10-12	1
Women's Choir	9-12	1
Vivace	9-12	1
Eaglecrest Madrigals (Mixed)	11-12	1
Jazz Choir (Mixed)	10-12	1

## PHILOSOPHY

The Eaglecrest Music Department believes that all students need and are entitled to a quality music education. Students with little or no experience are welcome as well as those students of advanced ability. Courses will be scheduled according to experiences, grade level, balanced instrumentation, and voicing.

## INSTRUMENTAL MUSIC

### CONCERT BAND

**Prerequisite:** Two years or more of middle school band or instructor approval

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

Concert Band is open to **all** students with prior instrumental training. This group is designed to expose students to quality literature from all eras of band music. Instrumental study is focused on improving intonation, rhythmic accuracy, technique, tone, style, posture, breathing, and listening at an appropriate level. **All** members of the Concert Band are **strongly encouraged** to be a member of the "Pride of the Plains" Marching Band, which meets as an extracurricular activity from June through October. All freshmen are required to be in the Marching Band unless approved by Mr. Mabrey. There will be several concerts and festivals throughout the year and attendance is mandatory. There is financial help available for those in need.

### JAZZ BAND 1

**Prerequisite:** Audition only

**Credit:** 1 unit\*

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

Jazz Band 1 is designed for students with previous jazz experience. Jazz Band 1 gives students an opportunity to develop improvisational skills, as well as, expose students to all genres of jazz music through listening and performance. A select instrumentation of no more than 5 saxophones, 5 trombones, 5 trumpets, and a rhythm section consisting of piano (a maximum of 2 players), bass guitar (a maximum of 2 players), electric guitar (a maximum of 2 players), and drums ( a maximum of 2 players) will be chosen. There will be several concerts and festivals throughout the year and attendance is mandatory.

**\*Jazz Band is by audition only and all students are required to be in another performing arts class while enrolled in Jazz Band.**

### JAZZ BAND 2

**Prerequisite:** Instructor approval\*

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

Jazz Band II is designed for students with or without previous jazz experience. Prior instrumental training is mandatory. Jazz Band II gives students an opportunity to develop improvisational skills, as well as, expose students to all genres of jazz music through listening and performance. A select instrumentation of no more than 5 saxophones, 5 trombones, 5 trumpets, and a rhythm section consisting of piano (a maximum of 2 players), bass guitar (a maximum of 2 players), electric guitar (maximum of 2 players), and drums (a maximum of 2 players) will be chosen. There will be several concerts and festivals throughout the year and attendance is mandatory.

**\*Jazz Band is by audition only and all students are required to be in another performing arts class while enrolled in Jazz Band.**

### CONCERT ORCHESTRA

**Prerequisite:** Previous Orchestra experience

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

This course is open to all students with previous string experience. A variety of orchestral literature will be studied. Opportunities for small ensemble work will be included. Attendance is required at all scheduled concerts.

### SYMPHONIC BAND

**Prerequisite:** Audition and instructor approval

**Credit:** 1 unit

**Course Length:** Full Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

Symphonic Band is a select group of advanced level musicians and is considered to be one of the highest-level bands at EHS. This group is designed to expose students to quality literature from all eras of band music. Instrumental study is focused on improving intonation, rhythmic accuracy, technique, tone style, posture, breathing, and listening at an appropriate level. **All** members of the Symphonic Band are required to be a member of the "Pride of the Plains" Marching Band, which meets as an extracurricular activity from June through October. Please see Mr. Mabrey if you have extenuating circumstances with this requirement, these will be evaluated on an individual basis. There will be several concerts and festivals throughout the year and attendance is mandatory. There is financial help available for those in need.

### SYMPHONIC ORCHESTRA

**Prerequisite:** Audition only

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

This course is open to all students with previous symphony experience pending audition with the instructor. A variety of orchestra literature will be studied. Opportunities for small ensemble work will be included. Attendance is required at all scheduled concerts.

## EAGLECREST MARIACHI

**Prerequisite:**

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

Eaglecrest is excited and proud to offer the first Beginning Mariachi class in our school district. It is a comprehensive, standards-based music class offered to everyone regardless of musical experience. Mariachi is a performance-based class in which students will play violin, trumpet, guitar, vihuela, and guitarron. Students will play and sing the vibrant music of the mariachi tradition while learning a variety of new and standard mariachi songs in Spanish. They will also learn about the history and traditions of mariachi. Participation in mariachi truly demonstrates the Raptor Way: Respect, Achievement, Pride, Teamwork, Opportunity, and Responsibility.

## MUSIC THEORY

**Prerequisite:** Previous music training and instructor approval

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This course will teach students the basic and intermediate music fundamentals needed for composition, arranging, and advancement to AP music theory or a study of music theory in college.

## VOCAL MUSIC

### WOMEN'S CHOIR

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

Open to women freshmen-seniors who have interest in singing even if you have never sung. This group will emphasize proper vocal technique and enhance music reading skills. Challenging literature of many different styles will be studied throughout the year. Participation in ALL concerts is required.

### EAGLECREST MADRIGALS

**Prerequisite:** Audition

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12

**Fee Required:** TBA on th EHS website, May 2012



This course is open to 11-12th grade men and women intent on pursuing serious chamber music to challenge vocal ability and technique. This group will perform for several concerts as well as various outside organizations. Participation in ALL concerts is required. Members of this group will be selected for their vocal and musicianship ability.

### CANTARE

**Prerequisite:** Audition

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required:** TBA on th EHS website, May 2012

This is a select ensemble of women's voices. The repertoire performed will be challenging and mainly classical and will represent all styles of music. This group of women are serious about pursuing music and have prior music knowledge. All concerts in school and field trips are required.

### JAZZ CHOIR

**Prerequisite:** Audition

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required:** TBA on th EHS website, May 2012

This is a select, small vocal jazz ensemble of mixed voices. The repertoire performed will be Acapella and with a rhythm section. Selection is by audition only and all performances in and out of school are required. Members of this group will be selected for their vocal quality and ability to blend with others in a small ensemble. Students must be excellent sight readers and have the confidence to sing on individual microphones.

### VIVACE

**Prerequisite:** Audition

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

This choir is open to 9-12 grade men and womens' voices. This course is open to students that have a serious interest in choral music. This course emphasizes proper vocal techniques and enhanced music reading skills. The music performed is challenging and requires a serious music student. Selection is by audition only and participation in all concerts is required.

## THEATRE AND DANCE CURRICULUM

Course Title	Grade	Credit
Theatre 1	9-12	1/2
Intermediate Acting 1	9-12	1/2
Intermediate Acting 2	10-12	1
Harlequin Players	11-12	1
Technical Theatre Crew	10-12	1

### DANCE

World Dance/World Cultures	9-12	1/2
Ballroom Dance	9-12	1/2
Modern Jazz Dance 1	9-12	1/2
Modern Jazz Dance 2	9-12	1
Eaglecrest Dance Company	10-12	1
Training Company	9-12	1

General expectations: Drama is both an art form worthy of study and a performance skill demanding perseverance and practice. Our course offerings combine components of both an aesthetic appreciation and a rigorous pursuit. Students should be prepared to be challenged both intellectually through reading, research and writing, and physically through daily rehearsal regimens. All students in drama classes will be required to participate in performance activities that will involve some time after school, increasing as the students advance.

## THEATRE

### THEATRE 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

**Theatre 1** introduces students to the theatre arts, providing them with a comprehensive overview of its technical, social, historical, and performance aspects. Students will work in a mutually supportive environment to develop growing comfort and skill in the use of their bodies and voices as expressive tools. They will study vocabulary associated with the theatrical arts; investigate the chief historical periods that influenced the development of drama; discuss the fundamentals of stagecraft; and will explore basic performance techniques. Special emphasis will be placed on furthering students' comfort in front of an audience and building ensemble skills. This course stresses both hands-on experience as well as academic study and is a prerequisite for all future theatre-related courses at Eaglecrest.

### INTERMEDIATE ACTING 1

**Prerequisite:** Theatre 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

**Acting Study** invites students to develop their performance skills and acting technique. Students will examine recognized approaches to acting methods, including Richard Boleslavsky's *Acting: The First 6 Lessons*, excerpts from Constantin Stanislavski's writings, and Uta Hagen's *Respect for Acting*. Through warm-up procedures, physical/vocal exercises, exploration of sense memory, and text analysis, students will apply their knowledge of established acting techniques and philosophies to construct the interior, physical, and vocal life of a character. This course stresses both hands-on experience (performance of monologues, improvisations, etc.) as well as academic study and is a prerequisite for *Acting: Scene Study and Company*.

### INTERMEDIATE ACTING 2

**Prerequisite:** Theatre 1; Intermediate Acting 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Acting:** Scene Study heightens the actor training established in Acting Study. Students sophisticate their skills as emerging actors through exploration of the rehearsal process and deeper text analysis/characterization work in monologues, scenes, and ten-minute plays. Actors will begin to work with more complex and varied dramatic material, including the works of Chekhov, Shakespeare, Tennessee Williams, etc.

### HARLEQUIN PLAYERS

**Prerequisite:** Audition In-Acting Study; Acting Scene Study; or Technical Theatre Crew

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12

**Fee Required:** TBA on th EHS website, May 2012

This class is open to students who exhibit a strong interest in technical theatre. They will be supervised and taught by the Technical Director. Students will receive instruction in theatrical lighting, sound, set construction, props, scene design, and painting.

### TECHNICAL THEATRE CREW

**Prerequisite:** Instructor consent

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required:** TBA on th EHS website, May 2012

This class is open to advanced level technical theatre students. They will be supervised and taught by the Technical Director. They will be assigned technical duties for the events produced by the Eaglecrest Theatre. Areas of technical theatre which will be learned and performed by the Tech class are lighting, sound, set construction, props, scene design, and painting. Students are expected to work after school as well as during the evenings of technical rehearsals and performances.

## **DANCE**

Philosophy: Dance training is concerned with the creative process, and includes experiences in dance technique, improvisation, cultural tradition, choreography, and performance. Technique is not an end in itself, but a means to an end: choreography and performance. The desired outcomes for our students are increased self awareness, clear movement articulation, a rich movement vocabulary with which to communicate in a non-verbal manner, and a deeper understanding of dance in world cultures. Toward this end, three levels of dance training are offered as well as World Dance and Ballroom Dance.

**Students may receive either P.E. or Fine Arts Credit.**

### **MODERN/JAZZ DANCE 1**

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

To develop dance skills of body alignment, coordination, speed, musicality, clarity of intent, knowledge of dance vocabulary. This class is an introduction to the basics of dance technique. Styles covered are modern, jazz, hip hop, african and musical theatre dance. Daily class includes floor warm-up, floor work, and dance combination in center and across the floor. Students will perform at the end of the semester. This class is a prerequisite to Modern/Jazz Dance 2.

### **MODERN/JAZZ DANCE 2**

**Prerequisite:** Modern/Jazz Dance 1 or equivalent elsewhere

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

To continue developing skills listed in Modern/Jazz 1, at a more advanced level of study. A continuation of Modern/Jazz 1, this class builds a stronger dancer through more complex movement combinations, choreography studies, and master classes with a variety of dance artists. The focus of the class is for students to work on specific dance skills, such as turns, leaps, balance, dynamic phrasing and ability to learn new choreography quickly. Modern/Jazz Dance 2 students will have performing opportunities during the school year.

### **EAGLECREST DANCE COMPANY**

**Prerequisite:** By audition only

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required:** TBA on th EHS website, May 2012

To offer a performance class for higher level dance students to hone their creative and technical skills within a select group. Students in this company must audition and will be placed in the company in the spring. The class includes Int/Adv level technique in Modern, Jazz, and World Dance. The focus of the class is performance and choreography. Creative projects will be chosen by the group, including work with professional guest artists and collaborations with other classes in the school, including media production, theatre, and music, as well as performance exchanges with other high school groups. Dance Company members are required to perform outside the school.

### **TRAINING COMPANY**

**Prerequisite:** By audition only

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** TBA on th EHS website, May 2012

This class is structured to prepare the intermediate student for advanced dance technique classes. Students in the training company must audition in the spring 2012. This class includes intermediate technique in Mod/Jazz, and world dance forms. A large emphasis will be placed on students developing and producing their own solo and group choreography. Training Company members will also have the opportunity to perform in and outside of school.

## VISUAL ARTS CURRICULUM

Course Title	Grade	Credit
Drawing and Painting 1	9-12	1/2
Drawing and Painting 2	9-12	1/2
Drawing and Painting 3	10-12	1/2
Ceramics 1	9-12	1/2
Pottery 1	10-12	1/2
Sculptural Ceramics	10-12	1/2
Photography 1	10-12	1/2
Photography/Digital Mixed Media 2	10-12	1/2
Digital Photography 2	10-12	1/2
Design 1	9-12	1/2
Design 2	10-12	1/2
Advanced Placement Art History	10-12	1
Advanced Placement Art Studio	11-12	1
Sculpture 1	10-12	1/2
Sculpture 2	10-12	1/2

### DRAWING AND PAINTING 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$15

Students will explore the fundamental techniques and methods in Drawing & Painting. Students will learn techniques for working from their imagination, however a greater emphasis will be placed on working from life. This class is technique-based and provides the foundation for all other art classes. Historical and contemporary artists, movements, and theories will be explored. Students will also develop a visual arts vocabulary.

### DRAWING AND PAINTING 2

**Prerequisite:** Drawing and Painting 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$20

Using the skills acquired in Drawing and Painting 1, students will continue to explore and master a variety of two-dimensional media. Drawing, painting, and printmaking may be used while incorporating critical thinking skills and problem-solving techniques. Teacher signature required.

### DRAWING AND PAINTING 3

**Prerequisite:** Drawing and Painting 1 and 2 with a "C" or better

**Credit:** 1/2 unit

**Course Length:** Semester - Course may be repeated for credit

**Grades:** 10-12

**Fee Required:** \$20

This course is for the serious art student. Students will explore the ideas and techniques of various artists and apply those ideas and techniques to their own work. Students will also begin to assemble and create their visual arts portfolio. This class may also be repeated for credit. Student autonomy in their artistic decisions will be encouraged. Teacher signature required.

### ADVANCED PLACEMENT ART STUDIO

**Prerequisite:** Must have completed all prior levels in Drawing and Painting, Photography, or Ceramics

**Credit:** 1 unit

**Course Length:** 1 Year Course may be repeated for credit

**Grades:** 11-12

**Fee Required:** \$85

This course is designed for the HS student who wants to major or minor in art in college or who wants to pursue the opportunity to develop their own personal exploration in Visual Arts. To enroll students must have completed all prior levels in Drawing/Painting, Ceramics or Photography. The course is made to accommodate students who have expressed an interest in completing the 2-D Design, 3-D Design or Drawing/Painting Portfolio exams. Teacher directed units are presented in accordance with College Board Exam requirements. Emphasis will be placed on the completion of a volume of quality pieces. Students will be required to develop their own personal concentrations. Effective visual Communication skills, written and oral analysis skills will be emphasized as well. There is also an expectation that a student should attend extra workshops to assist in completing the volume of work. The course is successfully completing the portfolio. A course fee exists to cover the cost of materials; as well some material may have to be purchased. This course may be repeated for credit as three different exams are offered.

### CERAMICS 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$15

This course is designed to give students an investigative background in problem solving, hand building, and wheel throwing skills. A study of artists and other cultures will be included in most units.

### POTTERY 1\*

**Prerequisite:** Ceramics 1 with a 'C' or better

**Credit:** 1/2 unit

**Course Length:** Semester Course can be repeated for credit

**Grades:** 10-12

**Fee Required:** \$20

This intermediate course is designed to expand the functional skills learned in Basic Ceramics; working with slabs, coils, molds, and the potter's wheel. Students will explore the realm of creating vessels with a functional purpose. Ceramics 2 and 3 are interchangeable and are not required to be taken in consecutive order. Teacher signature required.

### SCULPTURAL CERAMICS\*

**Prerequisite:** Ceramics 1 with a 'C' or better

**Credit:** 1/2 unit

**Course Length:** Semester Course may be repeated for credit

**Grades:** 10-12

**Fee Required:** \$20

This intermediate course is designed to expand the expressive skills learned in Basic Ceramics by exploring the realm of the pure sculpture. Primarily using clay as the medium, students will mold, shape and fashion their work as a vehicle for expression. Pottery 1 and Sculptural Ceramics are interchangeable and are not required to be taken in consecutive order. Teacher signature required.

**\*These courses are interchangeable and are not required to be taken in consecutive order.**

## ADVANCED PLACEMENT ART HISTORY

**Prerequisite:** None

**Credit:** 1 unit – 1/2 credit may apply to Social Studies

**Course Length:** Year

**Grades:** 10-12

**Book/Materials Fee Required:** \$35

This course is designed for the college bound student pursuing ANY major. The emphasis will be upon learning about the art and history of other cultures. Reading and writing are an expectation and requirement of the course. Students should expect to participate in activities outside school grounds: museum and gallery visits, and other field trips. AP Art History will give college bound students a solid background for Humanities related courses at the university level. This course is an excellent choice for students who have interest in and of the following areas: Fine Arts, Language Arts, History, or Linguistics courses. This course is open to 10-12 grade students and does not have a prerequisite.



## PHOTOGRAPHY 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$50

Basic Photography is a course designed to offer the student fundamental Black & White photography skills, but also an artistic eye. Students will go from simple pinhole cameras to the sophisticated 35mmSLR camera while concentrating on basic design and composition concepts. Students will develop 35mm film and make printed enlargements using utilizing basic darkroom techniques. Students will also begin to analyze and critically respond to their art as well as the art of others. 35mm SLR camera HIGHLY RECOMMENDED!



## PHOTOGRAPHY/DIGITAL MIXED MEDIA 2\*

**Prerequisite:** Photography 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$50

Intermediate Photography is designed to expand the skills and creative potential of those who have taken the Basic Photography course. Artistic endeavors will include traditional Darkroom methods with a variety of Photographic manipulation processes and procedures. Creative explorations will occur both inside and outside of the darkroom, as students learn to apply and manipulate traditional photography techniques as well as imploring a variety of visual arts skills and media. All students will be a part of the critical system of analyzing and understanding their art as well as others. Students are required to have a 35mm SLR camera for this course.



## DIGITAL PHOTOGRAPHY 2\*

**Prerequisite:** Photography 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$50 Digital Photography is a hybrid mix of digital and darkroom technology designed to expand the skills and creative potential of those who have taken the Basic Photography. A darkroom experience introduces the concepts, tools and technology of digital imaging. Students learn about digital photographic equipment, software, storage devices and printers to produce, capture, manipulate, correct, transmit, store and output images. Creative exploration will occur as students learn to apply and manipulate digital photography techniques, as well as imploring a variety of visual arts skills. All students will be a part of the critical system of analyzing and understanding their art as well as others. Students are required to have access to a digital camera (DSLR preferred).



\*These courses are interchangeable and are not required to be taken in consecutive order.

## DESIGN 1

**Prerequisite:** No prerequisite required, but Drawing and Painting 1 suggested

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$20

This course will introduce students to basic skills needed for success in design as it relates to the art world. Students will be challenged to push themselves in areas of research, creativity, and craftsmanship as well as learn about and expand their knowledge of the basics of the principles and elements of design. Through the study of both graphic design and self-expression, students will strengthen their foundation as an artist and familiarize themselves with the ever-expanding skills necessary in today's complex culture.

## DESIGN 2

**Prerequisite:** Design 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$20

This course is designed to expand the visual literacy and creative potential of those who have successfully completed Design I. Students will be challenged to push themselves in areas of research, creativity, and craftsmanship as well as apply more complex useage of the principles and elements of design. As in Design I, the computer will be utilized as a creative and research tool, but not used exclusively. Students will explore and analyze conceptual ideas in both 2-D and 3-D design. Through the study of graphic design, self-expression, and other creative disciplines, students will further strengthen their foundation as artists and build skills for collegiate study and professional success.

## SCULPTURE 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$20

Students will use additive and subtractive building techniques to explore three dimensional construction. Classic sculptural problems involving the figure will be addressed as well as contemporary problems. We will examine sculpture in art history and in modern installations. This course will require students to draw to practice form and record ideas. Manipulative material include clay, plaster, wood, and nontraditional sculptural supplies.

## SCULPTURE 2

**Prerequisite:** Sculpture 1

**Credit:** 1/2 unit

**Course Length:** Semester Course can be repeated for credit

**Grades:** 10-12

**Fee Required:** \$20

Students will use advanced additive and subtractive building techniques to continue to explore three dimensional construction. Students will continue to refine classic sculptural problems involving the figure will be addressed as well as contemporary problems. Students will examine sculpture in art history and in modern installations. Manipulative material include clay, plaster, wood, wire, stone and nontraditional sculptural supplies.

## ENGINEERING AND TECHNOLOGY EDUCATION

Technology has created a complex world of change with multitudes of systems that have been interrelated. These new developments can have far reaching effects and are the reason that technological literacy is a required skill in today's world. Just as we need to learn how to read, write, or calculate, a student should have formal classes that focus on the study of technology. Technology Education incorporates and complements science, mathematics, and other disciplines into a practical, hands on experience. Students learn about our man-made world through a variety of courses focused on how things work and why they are designed and built the way they are.

The Eaglecrest Technology Education department offers a variety of classes designed to enhance all core academic areas. Most advanced technological careers consist of skills offered by our classes.

### Classes Offered

- Technical Drawing (CAD Based)
- Engineering Design (CAD Based)
- Architectural Design (CAD Based)
- Pre-Engineering Tech 1, 2
- Junior/Senior Portfolio (CAD-Based)
- Robotics and Electromechanical Design

### Career Paths

- Mechanical Engineering
- Electrical Engineering
- Industrial Engineering
- Aerospace Engineering
- Architectural Engineering
- Engineering Science
- Automotive Engineer
- Broadcast Technology
- Construction Technology
- Manufacturing Technology
- Robotics Technology
- Civil Engineering
- Material Engineering

### ENGINEERING AND TECHNOLOGY EDUCATION CURRICULUM

Course Title	Grade	Credit
Pre-Engineering Technology 1	9-12	1/2
Pre-Engineering Technology 2	9-12	1/2
Technical Drawing	9-12	1
Engineering Design	10-12	1
Architectural Design	11-12	1
Robotics and Electromechanical Design	10-12	1/2
Junior/Senior Technology Portfolios	11-12	1/2 or 1

### PRE-ENGINEERING TECHNOLOGY 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$20

Pre-Engineering Technology 1 is an introductory class designed to expose students to a variety of technologies, related careers, and technical applications through hands on activities in the Technology Lab. Students will develop skills in understanding the engineering of the world around us by applying math, science, and technology concepts. These skills include fabricating projects using the engineering model of research, design, build, and test. Projects change each semester and have included catapults, trebuchets, gliders, crash (bumper) cars, hovercrafts, and other special designs.



### PRE-ENGINEERING TECHNOLOGY 2

**Prerequisite:** Pre-Engineering Technology 1 instructor approval

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$20

Pre-Engineering Technology 2 is a continuation from Pre-Engineering Tech 1 and is designed to expand on the engineering design and build skills students previously developed. Students will expand their skills in understanding the engineering of the world around us by applying higher-level math, science, and technology concepts. These skills will include fabricating projects using the engineering model of research, design, build, and test. Projects change each semester and typically include activities that combine mechanical and DC electronics. Projects may include simple electronic devices, robots, and other custom designed machines.



### TECHNICAL DRAWING

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

**Fee Required:** \$20

Technical Drawing is an entry level drafting class designed to teach students how to use various drawing instruments to read and create technical drawings. Students will learn the fundamentals of Computer Aided Drafting and Design (CADD) and complete projects that emphasize principles of design, reasoning, problem solving, and presentation skills. This course is designed for students interested in exploring careers related to engineering, architecture, drafting, and interior design. Student projects will demonstrate skills and software valued in related industries.



### ENGINEERING DESIGN

**Prerequisite:** Technical Drawing

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required:** \$30

Engineering Design is the second in a series of classes offered in the area of mechanical design/engineering. This course allows students to further their skills in design and problem solving. The emphasis of Engineering Design will focus on applying and utilizing the design process to develop products, systems, or processes. Students will be responsible for researching, designing, and constructing a prototype using both CADD and/or fabrication. Membership and participation in TSA (National Organization for Technology Students) is an integral part of the technology program and is highly encouraged. (optional)



### ARCHITECTURAL DESIGN AND DRAWING

**Prerequisite:** Technical Drawing Recommended

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12

**Fee Required:** \$20

Architectural Drawing provides an introduction to the study of residential design and construction. Students will learn how to design and create detailed floor plans with supplemental plans such as elevation, sectional, site, detail, electrical, and plumbing drawings. An introduction to construction topics related to the residential design will be included. Students will complete all the steps necessary to design a custom home.



## **ROBOTICS AND ELECTROMECHANICAL DESIGN**

**Prerequisite:** Algebra I

**Credit:** 1/2 unit

**Grades:** 10-12

**Course Length:** Semester

**Fee Required:** \$20



They are all around us...robots and other electrical devices that help us every day. These devices are a combination of electrical and mechanical systems that are evolving at incredible rates. This course will focus on the direct current (DC) circuit and mechanical design using gears, pulleys, and other sensing components to build machines to complete simple tasks. Students will then build a small robot capable of autonomous operation that will compete with other robots in a classroom simulation.

## **JUNIOR/SENIOR TECHNOLOGY PORTFOLIOS**

**Prerequisite:** Technical Drawing and Industrial Design

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required:** \$25



This course is designed for the mature student who has demonstrated the ability and drive required to complete an engineering based independent study. Participants in the class are required to develop an idea for either an invention or an innovation of a current product. As part of the development process, students learn about manufacturing materials, manufacturing processes, and general engineering design techniques. Students design their product using both AutoCAD 2004 LT and SolidWorks 2009-2010 software. Once the design work has been completed, students are required to create a scale prototype of the product using traditional machine and hand tools or using a Fused Deposition Modeling machine. Upon completion of this course, students are better able to determine if they would like to pursue a career in the one of the many fields of engineering.

# BUSINESS DEPARTMENT

## BUSINESS DEPARTMENT CURRICULUM

Course Title	Grade	Credit
Introduction to Business	9-10	1/2
Business and Personal Finance**	9-11	1/2
Marketing 1/DECA	10-12	1
<i>Honors International Marketing*/Business**</i>	11-12	1
Marketing 2**	11-12	1
Marketing 3*	12	1
Accounting 1	10-12	1
Accounting 2**	11-12	1
Accounting 3*	11-12	1
Business Law**	10-12	1/2
Computer Applications**	10-12	1/2
(Word Processing Encouraged)		
Computer Programming	10-12	1
<i>AP Computer Science*</i>	10-12	1
Web Page Design	9-12	1/2
Web Page Design 2**	11-12	1/2
<i>AP Macroeconomics</i>	12	1
<i>AP Microeconomics</i>	12	1
Business Coop	10-12	1 per sem.

\*Means a prerequisite course is required

*Italics means a weighted AP or Honors class*

\*\* Concurrent Enrollment

### ACCOUNTING 1

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

Accounting 1 is an introductory course designed to acquaint students with the accounting cycle and an understanding of the role accounting plays in the ongoing operation of a business. During this year-long class, students will learn the fundamentals of accounting using a sole proprietorship and corporation as a basis for study. Students will develop an understanding of business activities by recording and summarizing basic accounting transactions, preparing financial statements, payroll records, income tax forms, and interpreting financial statements as part of the management decision-making process. A combination of manual and PC-based automated accounting systems will be used. This course is the first in a two-year program. Students who elect to complete the two-year program will receive community college credit. Students are encouraged to join FBLA (Future Business Leaders of America)..

### ACCOUNTING 2\*

**Prerequisite:** Accounting 1 and approval of instructor

**Credit:** 1 unit (4 college credits)

**Course Length:** Year

**Grades:** 11-12

**Fee Required**

This course aligns with the Colorado Community College course Accounting Principles I (ACC 121). Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credit to a four-year university. In this course, students learn the fundamentals of accounting using sole proprietorships, partnerships, and corporations organized as service providers, merchandising, and manufacturing concerns. Students develop an understanding of business activities by recording and summarizing business transactions, preparing financial statements, payroll records, and financial analysis of business data. A combination of manual and PC-based automated accounting systems will be used. Students are encouraged to join FBLA (Future Business Leaders of America).



### ACCOUNTING 3\*

**Prerequisite:** Accounting 1, Accounting 2

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12

**Fee Required**

This class will explore three main topics: (1) corporate accounting; (2) management/financial accounting; and (3) organizational structure for business. Content units include: acquiring capital through stock or bond issuance, dividends, financial statements analysis, cost behavior, cost-volume-profit relationships, special partnership, and non-for-profit organizational structures. In addition, students will mentor Accounting 1 students and provide leadership for the student organization FBLA.

Students enrolled in Accounting 3 are encouraged to participate in the student organization FBLA. A fee is required to participate in FBLA.

### INTRODUCTION TO BUSINESS

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-10

Introduction to Business is designed to give the student a background in the fundamental principles of business – Economics, Owning and Operating a Business, and Career Development. This includes making business and career decisions, conducting business in a private enterprise system, and the students' role in today's changing business world. The students will also create a career plan to help develop strategies to make an effective transition from school to career. Students are encouraged to join FBLA (Future Business Leaders of America).

### HONORS INTERNATIONAL MARKETING/BUSINESS

**Prerequisite:** Marketing and instructor approval

**Course Length:** Year

**Grades:** 11-12

**Fee Required:** \$30



Honors International Marketing is a one year course designed for the college bound student who would like a solid understanding of the international business community. Key concepts include cultural dynamics involved in competing globally, imports and exports, barriers to trade, and financial considerations. Past and current global marketing strategies will be assessed. Students will also be exposed to international business career opportunities through guest speakers, corporations, and local university personnel. Hands-on experience will include computer simulations and Internet involvement. A fee is required for DECA, a co-curricular club associated with this class.

### WEB PAGE DESIGN 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required**

Students will be introduced to html code and use it to build basic web page and/or sites. Students will also be introduced to HTML editors and coding, elements of design, CSS style sheets, and graphics editors using the latest software. Elements built using these tools will be incorporated to create powerful web pages and/or sites. Students will learn ethical responsibilities, searching and information retrieval and the importance of verifying the validity of information posted on the web. Students are encouraged to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections between the school, community and the business world. Emphasis is placed on service to others, social and competitive events.



## **WEB PAGE DESIGN 2**

**Prerequisite:** Web Design 1 (Teacher signature required)

**Credit:** 1/2 unit (3 college credits)

**Course Length:** Semester

**Grades:** 10-12

**Fee Required**



This course aligns with the Colorado Community College course **Web Design 1 (MGD 141)**. Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credit to a four-year university. Students will continue their study of the Web and the current developments in that area of technology. Students will expand their knowledge of Web design using state-of-the-art hardware and software to incorporate video, sounds, CGI, applets, and other Web developments in their sites. Students will learn to use cascading style sheets (CSS) to provide different looks for a website quickly and effectively. Students will learn to use CSS for page layout as required by the World Wide Web Consortium (W3C) standards. Students are encouraged to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections between the school, community and the business world. Emphasis is placed on service to others, social and competitive events.

## **BUSINESS AND PERSONAL FINANCE**

**Prerequisite:** None

**Credit:** 1/2 unit (3 college credits)

**Course Length:** Semester

**Grades:** 9-11

**Fee Required**



This course aligns with the Colorado Community College course **Personal Finance (BUS 116)**. Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credit to a four-year university. This course aligns with all Colorado Financial Literacy Standards and is designed to help students develop their abilities to make wise financial decisions by recognizing, understanding and comparing the alternatives facing them as individuals. Additionally, students will learn how businesses manage their finances. Topics include: decision making, earning a living, managing finances and budgeting, saving and investing, buying goods and services, banking, using credit, and protecting against risk. Business and Personal Finance course units integrate and align with Colorado Financial Literacy Standards. Students are encouraged to join FBLA (Future Business Leaders of America).

## **BUSINESS LAW**

**Prerequisite:** None

**Credit:** 1/2 unit (3 college credits)

**Course Length:** Semester

**Grades:** 10-12

This course aligns with the Colorado Community College course **Legal Environment of Business (BUS 216)**. Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credit to a four-year university. Business Law will address legal topics concerning business and the individual. Topics of discussion will include contracts (e.g. renting an apartment, buying a car, obtaining a credit card, laws affecting minors, fraud), negligence (e.g. slipping/falling, car accidents), intentional torts (e.g. trespassing, defamation, assault, battery, invasion of privacy), civil procedure (e.g. trial process), crimes, constitutional law and the court systems, intellectual property law, employment law, credit, and ethics/social responsibility. The course will also include guest speakers and law-related movies and/or videos illustrating the legal topics discussed in the classroom. Students are encouraged to join FBLA (Future Business Leaders of America).



## **COMPUTER APPLICATIONS**

**Prerequisite:** Demonstrated proficiency in keyboarding skills

**Credit:** 1/2 unit (3 college credits)

**Course Length:** Semester

**Grades:** 9-12

**Fee Required**



This course aligns with the Colorado Community College course **Introduction to PC Applications (CIS 118)**. Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credit to a four-year university. With increased use of computers in our daily lives, it is crucial that students develop the ability to efficiently use a computer. This course provides an introduction to touch typing and computer applications including, Word, Excel, Access and PowerPoint. The knowledge of these applications is vital for the student in high school, college, and in his or her career. Much of the curriculum is individualized; students must have good problem solving, organizational, and motivational skills. Students are encouraged to join FBLA (Future Business Leaders of America).

## **MARKETING 1/DECA**

**Prerequisite:** None (Introduction to Business recommended)

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12

**Fee Required**

Marketing 1 is a full-year course designed for the student who wants to explore marketing, sales and the business world. Units of study include advertising, sales, promotion, product planning, pricing, economics, distribution, computer simulations and professional human relation skills. According to the Princeton Review, the #1 college major in the United States is Business. Marketing 1 exposes students to the exciting and dynamic world of marketing and business.

Marketing 1 is a prerequisite for Marketing 2 which simultaneously offers high school and college credit. Only students enrolled in Marketing classes can participate in DECA, a co-curricular chapter. DECA (An Association of Marketing Students) allows members' opportunities to develop leadership skills, participate in community service projects, and enjoy social activities. Students will also be eligible to travel and compete in marketing competitions, both locally and nationally. A chapter membership fee is involved.

## **MARKETING 2\***

**Prerequisite:** Marketing 1 and instructor approval.

**Credit:** 1 unit (3 college credits)

**Course Length:** Year

**Grades:** 11-12

**Fee Required:** \$30

This course aligns with the Colorado Community College course **Principles of Marketing (MAR 216)**. Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credit to a four-year university. Marketing 2 is a full-year course expanding on Marketing 1 curriculum for the serious student contemplating a business career. Content topics include an analysis of the theoretical marketing processes and the strategies of product development, pricing, promotion, distribution, people, processes, packaging and physical environment. This course sequence is designed to allow students to develop a working knowledge of marketing terms, marketing strategies, marketing research and buying behavior. The marketing mix will be analyzed and applied to exciting real world projects. Some other units of study are selling, merchandising, management and computer simulations. In addition, Marketing 2/DECA students will develop leadership skills through planning and implementing community service and social activities. Students will also be eligible to travel and compete in marketing competitions, both locally and nationally. Membership and involvement in DECA (An Association of Marketing Students) is an integral part of the marketing program and fees are involved.



### **MARKETING 3**

**Prerequisite:** Marketing 2 and instructor approval.

**Credit:** 1 unit

**Course Length:** Year

**Grade:** 12

**Fee Required:** \$30

Marketing 3 will teach advanced applications of Marketing. Classroom instruction will be based on job-related activities with emphasis on employment procedures, advanced selling, marketing techniques and management training. Specific emphasis will be placed on DECA and the nature of written competitive events and other important business occupational areas such as: advertising, entrepreneurship, general marketing, hospitality and tourism, finance and credit, apparel and accessories, and stock market options. A fee is required for DECA, dues a co-curricular club associated with this class.

### **ADVANCED PLACEMENT MICROECONOMICS**

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12

This course will provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. A fee is required for DECA, a co-curricular club associated with this class.

### **ADVANCED PLACEMENT MACROECONOMICS**

**Prerequisite:** None

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 11-12

The purpose of an AP course in macroeconomics is to give students a thorough understanding of the basic principles of economics that apply to economic growth and productivity as well as the policy tools used to impact the economy. It places primary emphasis on economic indicators such as inflation, unemployment, and GDP growth while also incorporating international trade into the domestic economic analysis.



### **BUSINESS COOP**

**Prerequisite:** Instructor approval

**Credit:** 2 units

**Course Length:** Year

**Grades:** 10-12

Students will earn one credit for classwork; two credits for course-related job. The teacher-coordinator will assist the student in securing and retaining an appropriate job in the field of marketing/business. Must have teacher approval to enroll.

### **ADVANCED PLACEMENT COMPUTER SCIENCE A**

**Prerequisite:** Introduction to Computer Programming

recommended, high Level math recommended

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 10-12 (Teacher approval necessary for 10th grade only)

Java is becoming the programming language of choice for Internet applications due to its robust nature, and Object Oriented approach for effective program development. This course teaches students how to write Java application programs. In addition, the course will provide support and resources for preparing students to be successful on the APCS Level A exam. Student enrolled in AP Computer Science are encouraged to participate in the student organization FBLA. A fee is required to participate in FBLA.



### **INTRODUCTION TO COMPUTER PROGRAMMING**

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

This course is designed for the student who wishes to explore the challenging environment of computer programming. The course focuses on the most important concepts of the programming languages: C++, HTML, Java, and Visual Basic. The many "hands-on" course activities require students to engage in creative problem solving, conceptual and critical thinking. This is an excellent course as a recommended prerequisite to AP Computer Science.

Students enrolled in Introduction to Computer Programming are encouraged to participate in the student organization FBLA. A \$20 fee is required to participate in FBLA.



If registering for Marketing 1 or Accounting 1, please see the next page for College Ready.

# Business Department



Concurrent Enrollment

## Concurrent Enrollment Classes

**You can receive COLLEGE CREDIT that is transferable to Colorado Universities and other universities at no cost to you! Contact Mrs. Enright, Mr. Haar, Mr. LaFlam, Mr. O'Brien, or Mr. Seely for more information.**

The following classes will allow you to receive "Fine Arts, Creative Arts, Technology, Business and Career" credits at EHS and receive 3 or 4 college credits at the Community College of Aurora.

Marketing 2  
Accounting  
Computer Applications  
Business and Personal Finance  
Web Design 2  
Business Law

**Credits are free if you apply for College Opportunity Funds!**

**"Career Technical Education is the 'gold standard' for 21st Century Learning and Success.**

**As we develop an economy increasingly rooted in 'goldcollar' careers, Career Technical Education engages students in the meaning of learning and starts them - very practically - on their individual pathways to success."**

**Gully Stanford  
Director  
College In Colorado \***

### Top 3 Majors at Colorado Universities \*

#### University of Colorado

1. Business/Marketing: 15%
2. Social Sciences: 15%
3. Biology: 11%

#### Colorado State University

1. Business/Marketing: 15%
2. Family and Consumer Sciences: 9%
3. Biology: 8%

#### Metropolitan State University

1. Business/Marketing: 15%
2. Interdisciplinary Studies: 10%
3. English: 8%

\*From: What Colorado Leaders Are Saying About Career and Technical Education, [www.cccs.edu](http://www.cccs.edu).

## FAMILY AND CONSUMER SCIENCES

Course Title	Grade	Credit
Fashion Design	9-12	1/2
Foods and Nutrition	9-12	1/2
Gourmet Foods	10-12	1/2
Interior Design	9-12	1/2
Life After High School	11-12	1/2
Parenting/Child Development	10-12	1/2
Contemporary Relationships	11-12	1/2

### FASHION DESIGN

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$30

This course is designed for creative students who are interested in exploring the world of fashion. Students will learn current fashion trends and the principles of design. They will have the opportunity to create a portfolio of their designs including their own line of clothing. This is also a beginning sewing class.

### FOODS AND NUTRITION\*

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$25

The emphasis of this course will be on choices relating to nutrition, healthy eating habits, food preparation, weight management, personal fitness, safety, sanitation, and related diseases. Students will learn basic skills, as well as, the chemistry and physics of baking and cooking as you learn about nutrition through cooking laboratory experiences. As part of a group, you will plan, prepare, and evaluate nutritious meals. Students will look at healthy life styles through individual diet analysis. Completion of both the Foods and Nutrition and Relationships classes meets the District Health requirements. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.

\*By completing Contemporary Relationships and Foods and Nutrition, a student will fulfill the District health requirements.

### GOURMET FOODS

**Prerequisite:** Foods and Nutrition

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$25

This course is designed for students who wish to develop advanced food preparation techniques while exploring international foods. Lab experiences and student demonstrations are an integral part of this class. Students will prepare all of the components of a six-course meal, focusing on spices, sauces, and food presentation. Possible international cuisines to be studied include Mexican, Italian, Chinese, Greek, German, French, Thai, and Japanese. Cake decorating and candy-making will also be included.



### INTERIOR DESIGN

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$25

Students will learn every aspect of creating a functional, beautiful, economical and comfortable living environment. After learning the elements and principles of design, the students will explore space planning, architectural drawing, and selection of decorating materials. Students will complete floor plans and design the interiors of homes.

### LIFE AFTER HIGH SCHOOL

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12

This course is designed to help students prepare for a successful financial life. Students will develop a career portfolio researching careers that highlight their interests and abilities. The course emphasizes budgeting, checking and savings, loans, credit, buying a car, renting an apartment, insurance, taxes, and identity theft. Students will set financial goals and develop a personal plan to maintain a positive financial record, avoid debt, and make wise consumer decisions. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.

### PARENTING/CHILD DEVELOPMENT

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

This course is designed for both males and females interested in child development and/or careers related to pediatrics, psychology, social services, education, and parenting. Students will learn about the physical, emotional, social and cognitive development of children from conception through adolescence. Special units of study include reproduction, prenatal development, birth and infant care, toddler, preschool, school age care, and various family structures. Other units include expectations and financial responsibilities of parenthood. This class will give students an opportunity to experience a parenting simulation with an electronic simulator baby. You will have the opportunity to develop and experience interactive learning activities such as preparing a nutritious snack for children, reading children's books, and/or creating children's art. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.

\*Students who are interested in being an aide in the preschool should see Ms. Herbers in counseling.

### CONTEMPORARY RELATIONSHIPS\*

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12

Students will explore how to create a relationship environment that is "safe" emotionally, socially, and physically. The course emphasizes building healthy relationships, managing personal stress, and making wise choices. Topics include adolescent relationships with parents and friends, dating, communication skills, conflict resolution, abstinence and human sexuality, gender differences, impact of substances on relationships, violence and abuse, family/social issues, commitment, and marriage. Students will take psychological and personality tests to assess their values, beliefs, and perceptions about their relationships with others. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.

\*By completing Contemporary Relationships and Foods and Nutrition, a student will fulfill the district Health requirements.

# PHYSICAL EDUCATION CURRICULUM

## AEROBIC/ANAEROBIC ACTIVITIES

Course Title	Grade	Credit
<b>Sport Activities:</b>		
Recreational Sports and Fitness	9-12	1/2
Team Sports and Fitness	9-12	1
<b>Aerobic/Anaerobic Activities:</b>		
Adventure Education 1	9-12	1/2
Adventure Education 2	9-12	1/2
Adventure Leader Training (ALT)	10-12	1
Aquatic Recreation	9-12	1/2
Elements of Physical Education	9-12	1
Learn to Swim	9-12	1/2
Lifeguard Training	10-12	1/2
Swimming	9-12	1/2
Ultimate Fitness	10-12	1/2
Water Safety Instructor	11-12	1/2
Weight Training and Personal Fitness for Girls	9-12	1/2
Weight Training and Personal Fitness for Boys	9-12	1/2
Weights 2 and Personal Fitness	10-12	1/2
<b>Classroom:</b>		
Sports Medicine	9-12	1/2
<b>Health Education:</b>		
Health	10-12	1/2
<b>Online:</b>		
Personal Fitness 1	9-12	1/2
Personal Fitness 2	9-12	1/2

### GUIDELINES FOR SELECTING PHYSICAL EDUCATION CLASSES

- Three (3) semesters of Physical Education activity are required to meet graduation requirements.
- Individual courses **cannot be repeated** for credit toward graduation.
- Additional courses may be taken as elective credit toward graduation.
- All classes are available for males and females and for grades 9-12 unless otherwise stated.

### SPORT ACTIVITIES

#### RECREATIONAL SPORTS AND FITNESS

**Prerequisite:** Elements of Physical Education

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This course will offer recreational sports and individual fitness. Several activities will prepare the students for a lifetime of wellness including: softball, tennis, volleyball, badminton, pickleball, golf and ultimate frisbee. This class will also have a component of fitness and student's fitness levels will be tracked throughout the semester.

#### TEAM SPORTS AND FITNESS

**Prerequisite:** Elements of Physical Education

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This course will offer team sports and individual fitness. Several activities will prepare the students for a lifetime of wellness including: basketball, football, softball, floor hockey, volleyball and soccer. This class will also have a component of fitness and student's fitness levels will be tracked throughout the semester.

#### ADVENTURE EDUCATION 1

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$20

This course uses games, challenges, group initiatives, and Project Adventure activities to help you learn self-reliance, trust, teamwork, and problem solving skills. Highlights are learning to belay, climbing on EHS's wall, and rappelling. The class fee of \$20.00 takes you to Paradise Rock Gym for a day of climbing. This is a fun class that affects the rest of your life!

#### ADVENTURE EDUCATION 2

**Prerequisite:** Adventure Education 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

**Fee Required:** \$40

If you've completed Adventure 1 and want to polish (or acquire) your outdoor skills, this is the class for you. The fee pays for field trips: outdoor rock climbing, backpacking, and a day on a high ropes course. Learn about camping gear, climbing, map and compass navigation; avalanches; minimum impact camping; explore access issues because so many of us want to be "out there". Begin to develop judgment and knowledge necessary to play safely and enjoyably outdoors.

#### ADVENTURE LEADER TRAINING (ALT)

**Prerequisite:** Adventure 1 and 2

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

The class entitled "Adventure Leader Training" is designed for the individual student who has fulfilled all requirements of the Adventure program and has demonstrated the basic skills necessary for safe participation in adventure related activities. The main focus of instruction in the class will be in the facilitation of leadership skills related to the adventure curriculum. This course will provide an opportunity for Eaglecrest High School students to have access to the resources necessary to improve their skills and develop their leadership potential. Students will improve their skills and develop leadership potential. Students will progress through an experientially based leadership program that emphasizes the facilitation of the challenge course philosophy of "Challenge by Choice." The CCHS Challenge course will be one of many educational tools during this course.

The theme "Building a Community of Learners" will be integrated throughout a carefully planned curriculum of technical skills (physical skills and knowledge necessary to conduct a safe rock climbing experience) and soft skills (processing skills necessary to conduct a discussion session). Students will be required to sign and commit to a full value contract, keep a notebook, dress in appropriate activity clothing as advised by the teacher for this program, complete a series of performance tasks, written evaluations and complete a self-evaluation of their activities. Students will demonstrate and practice their effectiveness as an adventure leader by peer leading. Students are also encouraged to sign up for an adventure leader position as an adventure TA sometime during their sophomore, junior or senior years.

### **AQUATIC RECREATION**

**Prerequisite:** Ability to pass a swimming proficiency test

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This class will begin with a basic refresher course in fundamental swimming techniques and some experience with diving techniques. This class will then progress toward a wide variety of water activities including snorkeling, water polo, water basketball, water volleyball, aquatic fitness, and other related learning designed to promote fun and safety in and around water.

### **ELEMENTS OF PHYSICAL EDUCATION**

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This course is a prerequisite to team sports, recreational sports and all weights classes. In this class students will be introduced to the basic rules and concepts of team and recreational sports. They will learn about the components of fitness and wellness and develop a personal fitness plan that will be implemented throughout the semester. Students will be fitness tested and their fitness levels will be tracked throughout the semester.

### **LEARN TO SWIM**

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This course will offer students the opportunity to learn basic swimming and survival skills. This course is designed for the non swimmer or someone who swims a little, but has not had formal swim lessons. The students will learn basic safety skills, floating, swimming, and diving skills.

### **LIFEGUARD TRAINING**

**Prerequisite:** 15 years old; advanced swimming skills; ability to pass the pre-test

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

**Fee Required:** \$85

This course is designed by the American Red Cross to prepare students to work as lifeguards. Rescue techniques, CPR, and First Aid will be taught. Fee will cover the cost of Lifeguard Today book, pocket mask, and certification.

### **SWIMMING**

**Prerequisite:** Learn to Swim class or prior swimming experience

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This class is designed for the intermediate and advanced swimmer. The early emphasis will be placed on basic stroke development and guidelines for safety while swimming and in the pool area. As the students' skills progress, they will participate in water activities, basic diving, and pursue individual fitness.

### **ULTIMATE FITNESS**

**Prerequisite:** Elements of Physical Education and Weights 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

This co-ed class is designed to provide students with total body aerobic conditioning. Workouts will include step aerobics, low impact aerobics, fitness walking, and body toning through weight training, water aerobics, and other aerobic activities will be determined by the instructor. Classroom activities will include fitness and nutrition information, and body analysis. Students will learn to design their own fitness programs.

### **WATER SAFETY INSTRUCTOR**

**Prerequisite:** 17 years old before the end of the semester.

Lifeguard Training Certified. Instructor's Approval

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 11-12

**Fee Required:** \$75

This course is designed by the American Red Cross to teach students 17 years and older the skills of instructing students in the swimming pool. Class organization, stroke fundamentals, evaluation procedure and class progression will be covered. W.S.I. students will be doing their practice teaching assignments with the pre school students at E.H.S. The fee for this course includes your instructor manuals for future reference.

### **WEIGHT TRAINING 1 AND PERSONAL FITNESS FOR GIRLS**

**Prerequisite:** Elements of Fitness

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This course provides experience in a variety of exercise methods and weight lifting techniques. Emphasis will be on developing muscle tone and strength. Students will be exposed to a variety of cardiovascular exercises to enhance fitness and reduce body fat.

### **WEIGHT TRAINING 1 AND PERSONAL FITNESS FOR BOYS**

**Prerequisite:** Elements of Fitness

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

This class serves as an introduction to the basic principles of weight lifting. The focus will be to increase strength and muscle size by lifting weights and completing cardiovascular/agility training.

### **WEIGHTS 2 AND PERSONAL FITNESS**

**Prerequisite:** Elements of Physical Education and Weights 1

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

Co-ed participants in this class will learn how to develop their own fitness programs to achieve their personal goals. Advanced lifting techniques and program design will be featured here with information given on nutrition, anatomy, and physiology. Emphasis will be placed on individuality.

## CLASSROOM

### SPORTS MEDICINE

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

Sports Medicine is designed to introduce students that are interested in wellness professions (i.e., nursing, physical therapy, physician, athletic trainer, x-ray technician, personal trainer, EMT, etc.) to basic knowledge and skills commonplace to these professions. The course will investigate various injuries and illnesses common to the physically active population, with an emphasis on competitive athletes. The student will learn a great deal of anatomy and medical terminology. Laboratory activities will teach the student how to take blood pressures, tape and wrap injuries, provide first aid, design a healthy eating plan, and other skills. Students will have the opportunity to work in the training room and become a student trainer with Eaglecrest's athletic teams if they desire.

### **HEALTH EDUCATION CHERRY CREEK SCHOOL DISTRICT HEALTH PROFICIENCY**

The philosophy of Health Education is to promote total health, which includes complete physical, mental, and social well-being, not merely the absence of disease. Students at Eaglecrest will develop a base of knowledge encompassing life long wellness, self-esteem, relationships, sexuality, substance abuse, the prevention of self destructive behaviors, appropriate health care, and the prevention of diseases, and disorders. They will develop skills for daily living and take an active role in protecting, maintaining, and improving their health, and quality of life.

**HEALTH** (Fulfills District Health requirement)

**Prerequisite:** None

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 10-12

This class focuses on issues and concerns of personal health and wellness as they apply to mental, physical, emotional and social well-being. Topics include stress management, self-destructive behavior, sexuality, substance abuse, nutrition, fitness, cardiovascular disease, cancer, emergency care, and other wellness issues. This course is designed to teach students to take responsibility for their own mental, emotional, and physical health and to instill the desire to improve personal wellness. This course fulfills the District Health requirement.

### HEALTH - ONLINE

**Prerequisite:** None

**Credit:** 1/2 unit (Fulfills District Health Requirement)

**Course Length:** 1 Semester

**Grades:** 10-12

Health focuses on issues and components of personal health as they apply to mental, physical, emotional, and social well-being. Topics include stress management, self-destructive behaviors, sexuality, substance abuse, nutrition, fitness, diseases, and others.

## ONLINE

### PERSONAL FITNESS 1 - ONLINE

**Prerequisite:** Parent Permission Form

**Credit:** 1/2 unit (Physical Education)

**Course Length:** 1 Semester

**Grades:** 9-12

Students in Personal Fitness I will learn about the components of fitness and wellness in order to establish a personal fitness plan that will be implemented throughout the semester. Although this is an online class, the course standards do require students to participate in weekly cardiovascular, flexibility, strength, and endurance exercise. Students will be issued a heart rate monitor to measure their progress and must exercise for 150 minutes per week in their target heart rate zone (143-173 beats per minute) in addition to written work and other exercise. Students will also be required to attend four fitness-testing sessions throughout the semester (dates will be announced before the semester begins).

### PERSONAL FITNESS 2 - ONLINE

**Prerequisite:** Must have completed Personal Fitness I, Parent Permission Form

**Credit:** 1/2 unit (Physical Education)

**Course Length:** 1 Semester

**Grades:** 9-12

Students in Personal Fitness II continue to work their fitness goals and plans developed in Personal Fitness I. Students will be required to participate in weekly cardiovascular, flexibility, strength, and endurance exercise. Students will be issued a heart rate monitor to measure their progress and must exercise for 180 minutes per week in their target heart rate zone (143-173 beats per minute) in addition to other exercise. Students will also be required to attend four fitness-testing sessions throughout the semester (dates will be announced before the semester begins).

## **STUDENT ACHIEVEMENT SERVICES**

Students enter these programs as the result of a special education staffing decision. Student Achievement Services utilizes a “needs-based” model to serve students in the least restrictive educational environment. Educational programming is available for students with a wide range of disabilities including specific learning, emotional, physical, speech/language, hearing impairment, vision impairment, and autism. A broad-categorical delivery system is used to meet students’ individual needs including specialized instruction and related services.

### **TRACS (Teaching Responsibility, Academics, and Cooperative Social Skills)**

**Prerequisite:** Student Achievement Services placement

**Credit:** Varies

**Course Length:** Year

**Grades:** 9-10

The TRACS program is for students with identified severe emotional and learning needs who require a comprehensive self-contained program in order to complete coursework requirements. English, social studies, math, science, affective skills, and elective courses are offered for credit.

### **WORK STUDY**

**Prerequisite:** Student Achievement Services placement

**Credit:** Varies

**Course Length:** Varies

**Grades:** 11-12

Students earn credit for employment through employer evaluation and limited Student Achievement Services support/supervision.

### **I-TEAM**

**Prerequisite:** Student Achievement Services placement

**Credit:** Varies

**Course Length:** Year

**Grades:** 11-12

An off-campus program for students with identified severe emotional needs who require a more comprehensive program that utilizes alternative approaches to learning. Students complete all coursework requirements including English, social studies, math, science, affective skills, elective courses focusing on experiential activities, vocational training, and work study.

### **MENTAL HEALTH TEAM SUPPORT SERVICES**

The psychologists and social workers provide supportive services to students, staff, and families to maximize the educational potential and success of every student. This is accomplished through consultations with teachers, deans, counselors, and administrators; crisis intervention; assessment of cognitive, social, and emotional functioning; short-term individual and group counseling and referral to resources in the community.

### **STUDY SKILLS**

**Prerequisite:** Student Achievement Services placement

**Credit:** 1/2 per semester

**Course Length:** Varies by course

**Grades:** 9-12

Study Skills classes are offered on a resource basis and designed for students who’s identified educational needs indicate a smaller support class with differentiated instruction, and/ or research-based intervention. The Study Skills curriculum focuses on the development of individual student’s capacity to progress from supported and remedial courses to general education and advanced classes in preparation for college and careers. Direct, small group instruction in academic “survival skills” like how to study, reading and writing in content, taking notes, progress monitoring, setting goals, managing time, self-advocacy, and planning for college and career is provided.

## **TEAM-TAUGHT CLASSES**

**Prerequisite:** Student Achievement Services placement

**Credit:** 1/2 unit per semester

**Course Length:** Year

**Grades:** Varies by course

A number of academic mainstream courses are offered on a team-taught basis. These classes offer the direct support of a Student Achievement Services Instructor in the class on a daily basis.

### **LITERACY 1**

**Prerequisites:** Student Achievement Services placement

**Credit:** 1 unit

**Course Length:** 1 Year

**Grades:** 9-10

This course is designed to build basic literacy skills through phonics instruction, vocabulary development, and background knowledge acquisition. Students learn word attack and decoding skills while increasing their exposure to and interaction with a variety of texts. Concurrent enrollment in English required.

### **LITERACY 2**

**Prerequisites:** Student Achievement Services placement

**Credit:** 1 unit

**Course Length:** 1 Year

**Grades:** 9-10

Foundations of Literacy 2 focuses on developing comprehension skills including building background knowledge, questioning text, making inferences, and monitoring comprehension. In doing so, students will read a variety of texts and genres. Writing skills will emphasize sentence and paragraph structure as well as the basics of grammar and mechanics.

### **TRANSITION SKILLS**

**Prerequisites:** Student Achievement Services placement

**Credit:** 1/2 unit

**Course Length:** Semester

**Grade:** 12

This course will cover preparing for life after high school. Included will be applications for college, applying for and advocating for accommodations around the ACT/SAT, understanding your IEP, an overview of post secondary vocational programs and application procedures, and life skills for post secondary.

### **LIFE SKILLS**

**Prerequisites:** Student Achievement Services placement

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

The Life Skills class is designed to support students who need specific instruction for social skills and study habits. Class activities, projects, and assignments are designed to improve student’s awareness of their own communication habits and reading others social cues. Role-playing and class discussions are used to assist students in building stronger communication and advocacy skills. Curriculum also covers pre-employment skills and study habits in support of their other classes.

### **STUDENT ASSISTANTS**

**Prerequisite:** None

**Credit:** 1/4 unit

**Course Length:** Semester

**Grades:** 9-12

Some departments use student help to complete clerical tasks, deliver messages, etc. These assignments are made through the counselor on a needed basis. Pass/Fail Grade.

### **LIBRARY STUDENT ASSISTANT**

**Prerequisite:** Approval of Library Coordinator

**Credit:** 1/2 unit

**Course Length:** Semester

**Grades:** 9-12

Student will assist teacher librarians and support staff in the library. This may include, but is not limited to planning and preparing displays, shelving materials, performance of daily routines, and helping other students with electronic information sources. Evaluation will be based on work performance and other criteria agreed upon by student and coordinators.

### **AVID**

**Prerequisite:** By application and interview only. Students may only enroll in this program their freshman or sophomore year. AVID is a four year program

**Credit:** 1 unit

**Course Length:** Year

**Grades:** 9-12

AVID (Advancement Via Individual Determination) is a multi-year elective class and academic program designed to prepare students in the academic middle for four-year college eligibility. AVID has a proven track record for bringing out the best in students, as well as, closing the achievement gap. This program specifically helps students who are normally under-represented in enrollment in colleges and universities.

AVID stresses the development of individual determination in order to direct students from general courses to accelerated Advanced Placement and Honors classes in preparation for college. AVID offers a rigorous program of instruction in academic “survival skills” and college level entry skills. The AVID program teaches the students how to study, read for content, take notes, and manage time. Students participate in collaborative tutorials led by tutors who use skillful questioning to bring students to a higher level of understanding. It is highly recommended that AVID students be involved in co-curricular activities and community service projects. Students must personally have the desire to be in the AVID program. Once accepted into the program, students must sign a contract and adhere to the strict attendance, behavioral, and academic standards.



## Cherry Creek Career & Technical Education

The 2012-2013 CTE Course Guide may be found at:

<http://www.cherrycreekschools.org/CTE/Pages/default.aspx>

### Registration Information

Courses at Pickens Technical College and select out-of-district programs are also available (see CTE course guide for details). All CTE programs require an application. The application may be downloaded at the above website.

### Enrollment Process

**Step 1** – Gather all relevant information via website, course catalogs, brochures, and/or meetings.

**Step 2** – Complete an application for admission. This application may be found at <http://www.cherrycreekschools.org/CTE/Pages/default.aspx> or at each high school counseling office. If you do not have an application and would like one please call (720) 554-4551.

**Step 3** – Take completed application to the home high school counselor and discuss.

**Step 4** – Counselors send in completed applications to the Cherry Creek CTE office no later than March 9, 2012.

### **ADMINISTRATION**

Mrs. Gwen Hansen-Vigil, Principal  
Ms. Cindy Bailey, Assistant Principal  
Mr. Robert Kelly, Jr., Assistant Principal  
Mr. Jim Roome, Assistant Principal  
Mrs. Kelly Snell, Activities Director/  
Assistant to the Principal  
Mr. Shane Snyder, Athletic Director/  
Assistant to the Principal

### **COUNSELORS**

Mrs. Jen Johnson, Coordinator/  
College and Career Counselor  
Mrs. Heather Ahrenkiel  
Mrs. Kay Cunnane  
Mrs. Sarah Dewhurst  
Ms. Ericka Herbers  
Mr. Sean Hiland  
Ms. Hillary Jacoway

### **DEANS**

Mr. Stan Adams  
Ms. Angela Boatright  
Mr. Alex Moore  
Ms. Michelle Whittet



