



EAGLECREST HIGH SCHOOL

2021 – 2022
REGISTRATION
GUIDE

**5100 South Picadilly Street
Centennial, CO 80015
Phone: 720.886.1000**

EAGLECREST HIGH SCHOOL

2021 - 2022

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



COURSE DESCRIPTION GUIDE

A PLANNING GUIDE FOR PROGRAM OF STUDY SELECTION AND REGISTRATION

**5100 SOUTH PICADILLY STREET
CENTENNIAL, COLORADO 80015
720.886.1000**

This guide is also available on our website at eaglecrest.cherrycreekschools.org.

NOTICE OF NONDISCRIMINATION

Cherry Creek School District No. 5 does not discriminate on the basis of race, color, national origin, sex, age, sexual orientation, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Eaglecrest High School does not discriminate in enrollment or access to any of its available programs. The lack of English skills shall not be a barrier to admission or participation in District activities and programs. The District also does not discriminate in its hiring or employment practices.

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Introduction

Welcome to Eaglecrest High School! This course description and registration guide have 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 Eaglecrest High School for the 2021-2022 school year.

Please 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-graduate 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 2021-2022

1. Registration materials will be distributed to students in every math class with the explanation of the registration process and timeline. Each student will have access to the 2021-2022 Course Description and Registration Guide. The course guide is also available on the Eaglecrest website: <http://www.cherrycreekschools.org/Schools/Eaglecrest/Documents/2020RegistrationGuide.pdf>
2. Each student will complete registration by going to PowerSchool and selecting courses and alternates. All core classes and specialty electives will have a teacher recommendation that determines which classes the student chooses. If a student or parent has any concerns or questions he/she should have a conversation with the teacher to decide the best level placement.
3. Freshmen must enroll in 8 classes including Raptor 101 in the 1st semester and 7 classes 2nd semester. Sophomores must enroll in 7 classes per semester, juniors must enroll in 6 classes per semester, and seniors must enroll in 6 classes their first semester and 5 classes second semester. Every student will have 4 core classes every semester as part of their total number of classes.
4. Eaglecrest High School will develop a master schedule of courses based upon the pre-registration requests.
5. Students must choose courses and alternates carefully as schedule changes are not allowed. It is our expectation that students will take the courses they request.

Counselors and teachers are available for assistance in the class registration decision-making process.

Program Planning Guidelines

Eaglecrest High School expects every student to embark on a rigorous program of study. Extensive coursework, both core and elective, is an important factor towards gaining admission to selective colleges and universities. We encourage parents and students to work together to align the student's academic choices with a four-year plan that culminates in admission to colleges or post-secondary programs. The following pages are intended to serve as a guide for parents and students in planning a program of study. What follows are test score minimums and recommendations for course work for various local and out-of-state colleges and universities.

Counseling Department

The mission of the Eaglecrest Counseling Team is to prepare each and every student to be college and/or 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 transition to post-secondary options.

The Counseling Department sponsors and/or conducts various student development workshops, presentations, and meetings in both individual and group formats.

Topics for freshman presentations:

What is a transcript and how to present yourself well academically

How much does your GPA really matter?

Self-exploration and reflection around interests and aptitudes

Career Awareness

Developing a 4-Year Academic Plan

Topics for sophomore presentations:

GPA calculation

Understanding the impact of GPA and test scores on college admissions decisions

Revising the 4-Year Academic Plan

Career Development and Exploration

Topics for 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, Career and Technical Education, and Military options.

Topics for senior presentations/meetings:

GPA/Rank Overview, Graduation Progress, College Application Process and Timelines, College Search Completion, Transcript Requests, Financial Aid/Scholarship Deadlines, National Collegiate Athletic Association, Letters of Recommendation, College Essay/Personal Statement, College Interview Process, Pursuing Career and Technical Education and Military options.

Other meetings include individual meetings, military preparation, post-secondary enrollment, and student support groups.

Cherry Creek School District Graduation Requirements

SUBJECT	REQUIRED CREDITS	IMPORTANT NOTES
English	4.0 Credits	
Mathematics	3.0 Credits	
Science	3.0 Credits	
Social Studies	3.0 Credits	(Including 1.0 US History and 0.5 Government)
Physical Education	1.5 Credits	
Health	0.5 Credits	
Practical/Fine Arts	1.5 Credits	
Other	5.5 Credits	
TOTAL	22 Credits	

Note: 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.

Beginning with the class of 2022, all graduates of the Cherry Creek School District, in addition to the required 22 credit requirements, must also meet competency benchmarks that indicate preparedness for success in college and career, as determined by Board Policy IKF.

Colorado College and University Admission Requirements

The Colorado Commission of Higher Education (CCHE) has developed the Higher Education Admission Requirements (HEAR). To be considered for admission to any four-year public institution in Colorado, students must demonstrate successful completion of the following coursework:

Subject*	Credit
English	4.0
Math	4.0
Science (2.0 credits must be lab-based)	3.0
Social Studies (1.0 US or World History)	3.0
Foreign Language (in same language)	1.0
Academic Electives	2.0

**see Admission Standards Policy regarding acceptable subjects*

Note 1: An academic credit, often referred to as a Carnegie credit, is equivalent to one full year of credit in a specific subject.

Note 2: For examples of acceptable HEAR courses, academic electives, and answers to frequently asked questions, go to <https://cdhe.colorado.gov/students/preparing-for-college/admissions-eligibility>. Click on "Summary of Requirements" link under Higher Education Admission Requirements heading.

It is important to note that admission officers at these institutions will give preference to students who have demonstrated competence in a rigorous course of study over students who attain a good grade point average by taking less demanding courses.

Factors Influencing College Admissions

Each year, the National Association for College Admission Counseling (NACAC) surveys colleges and universities to determine the top factors influencing admission decisions. According to the 2015 “State of College Admission Report,” the following factors, in order of importance, were:

1. Grades in College Prep Courses	7. Student’s Demonstrated Interest	13. SAT 11 Scores
2. Grades in All Courses	8. Teacher Recommendation	14. Interview
3. Strength of Curriculum	9. Class Rank	15. State Graduation Exam Score
4. Admission Test Scores	10. Subject Test Scores (AP, IB)	16. Work
5. Essay or Writing Sample	11. Portfolio	
6. Counselor Recommendation	12. Extracurricular Activities	

Colleges Strongly Recommend the Following

Academics:

- **Choose a rigorous course load.** Seek out courses that are challenging. Colleges would rather see a lower grade in a more challenging course than the “easy A”. Remember the best scenario is good grades in challenging courses.
- **Make sure your courses are appropriate and in logical progression.** Use your Individual Career and Academic Plan (ICAP) to ensure you are on the right track.
- **Enroll in at least 4 core classes (English, Social Studies, Math, Science, World Languages) each semester.**
- **Get to know your counselor and teachers on an individual basis.** These are the people who will be writing your recommendations.
- **Keep your best work.** Colleges may offer you a chance to submit supplementary material that demonstrates your achievements.
- **Establish good study habits.** Grades in the academic core areas (English, Social Studies, Math, Science, World Languages) are the best predictors of success in college.
- **Read!** Studies have shown that one of the best preparations for the college admission tests (SAT and ACT) is to read as much as possible.

Extracurricular:

- Find activities, both in and out of school, which you enjoy and that provide an outlet for your non-academic side.
- Go for quality rather than quantity. Colleges admire students who put significant effort into one or two activities rather than students who put little time into many activities.

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 GPA as high as possible, study for the SAT to earn a competitive score, and continue taking rigorous academic courses. Many of these schools require 2-4 years in the same world language.

Instead of using an index score like in-state colleges, out-of-state colleges publish the *average* SAT 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 middle 50% range of SAT scores for admitted students and the percentage of students they accept as reported to College Navigator, CollegeData, and Naviance.

Most Selective

College/University	Middle 50% range SAT scores	% of Applicants Accepted
Stanford University	1450-1570	4%
Harvard University	1460-1580	5%
Princeton University	1440-1570	5%
Columbia University	1450-1560	6%
Yale University	1420-1590	7%
Massachusetts Institute of Technology	1500-1570	7%
University of Chicago	1470-1570	7%
Duke University	1480-1540	10%
Johns Hopkins University	1450-1560	11%
Washington University in St. Louis	1400-1550	15%

Very Selective

College/University	Middle 50% range SAT scores	% of Applicants Accepted
Colorado College	1300-1470	15%
University of California - Los Angeles	1290-1520	15%
Carleton College	1360-1530	21%
Hamilton College	1350-1510	21%
University of Virginia	1330-1500	26%
University of Richmond	1290-1460	30%
New York University	1310-1510	20%
Skidmore College	1260-1400	27%
Dickinson College	1200-1390	49%
Rensselaer Polytechnic Institute	1320-1500	43%
University of Florida	1280-1440	39%

Selective

College/University	Middle 50% range SAT scores	% of Applicants Accepted
St. Olaf College	1220-1410	50%
Brigham Young University – Provo	1200-1420	64%
University of Wisconsin – Madison	1280-1450	51%
University of Washington	1240-1460	49%
Texas A&M University	1180-1380	68%
Beloit College	1120-1350	56%
University of Denver	1170-1370	58%
University of Arizona	1100-1340	84%
University of Colorado Boulder	1150-1340	80%
University of Kansas	1100-1320	92%

Definitions

Credit: Recognition that a student has fulfilled a requirement leading to high school graduation. Students must earn a minimum of 22 credits in order to graduate.

0.5 Credit: One-half credit equals one semester (18 weeks) of successfully completed coursework.

1.0 Credit: A credit equals two successfully completed semesters (36 weeks) of coursework.

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.

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

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

Weighted Grade (W): Weighted grades are given in those courses designed as either Honors or Advanced Placement. The difference between weighted and unweighted in terms of grade point value is as follows:

Unweighted

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

Weighted

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

Standardized Testing Information

ACT: The American College Test is one of the two primary college admission exams. Four subtests (English, math, reading, and science reasoning) are combined to determine a composite score. A perfect composite is 36, with the average score on the ACT being 19-21. The ACT will be given to all juniors as part of District testing. The ACT is administered at Eaglecrest and additional locations on Saturdays throughout the school year for a fee. Students register for Saturday ACT dates at www.actstudent.org. Students are encouraged to check the specific admission requirements in regards to the writing portion of the ACT for the colleges to which they plan to apply.

PSAT 9 and 10: The PSAT 9/10 tests 9th and 10th grade students in math, verbal, and writing skills. Test scores range from 320-1520. The results of the PSAT 9/10 are used by the state as a part of the school "report card" mandated by Senate Bill 00-186. These tests are required as part of the state testing requirement.

PSAT/NMSQT: The Preliminary Scholastic Aptitude Test is used by the National Merit Scholarship Corporation for the purpose of identifying National Merit Scholars, National Merit Semifinalists, and National Merit Commended Students. Additionally, African American students can receive the distinction of Achievement Scholar; and the College Board uses this score to recognize National Hispanic Scholars. The test is given in October of the student's junior year to qualify them for National Merit status. Students are tested on math, verbal, and writing skills. Test scores range from 320-1520. Doing well on this test opens many doors at colleges and universities and can provide additional scholarship opportunities.

SAT: The Scholastic Aptitude Test is the other primary college entrance exam. The SAT measures verbal and mathematical reasoning, with an optional essay subsection. The test emphasizes skills learned in high school rather than abstract reasoning skills. The scores for the Reading and Writing sections have been combined into a single section with a maximum score of 800. The Math section will be scored out of 800. The SAT essay is now optional. The essay will be scored on a new scale (from 2-8), and the score you receive on it will be separate from your 1600-point scale score. The SAT will be given to all juniors as part of the state testing requirement. The SAT is also administered at multiple locations on Saturdays throughout the school year for a fee. Students register for Saturday SAT dates at www.collegeboard.org and can pick up additional information in the College and Career Center. Students are encouraged to check the specific admission requirements in regards to the essay portion of the SAT for the colleges to which they plan to apply.

SAT Subject Test: Subject Tests are primarily multiple choice tests that measure a student's knowledge of a particular subject and their ability to apply that knowledge. Subject Tests are required for admission at certain colleges, generally those of higher selectivity. Often these schools will specify a quantity or certain SAT Subject Tests that must be taken prior to admission consideration. The SAT Subject Tests are administered on multiple Saturdays throughout the school year. Students may obtain registration information in the College and Career Center or at www.collegeboard.org.

CMAS: Partnership for Assessment of Readiness for College and Careers/Colorado Measures of Academic Success. These computer-based assessments in science and social studies give teachers, schools, students, and parents information on student progress in their learning and for success after high school. The assessments are intended to provide meaningful, timely, and precise measures of student learning and provide data and feedback to determine whether educational goals are being met. The results of these tests are used by the state as a part of the school "report card" mandated by Senate Bill 00-186. These tests are required as part of the state testing requirement.

NCAA Eligibility Requirements

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. The process for certification should be started during the sophomore year, with full completion by the end of junior year. Eaglecrest Counselors can direct students toward the appropriate resources to complete this process. To register and receive the most up-to-date information, please visit: www.eligibilitycenter.org.

Academic Eligibility

All high school athletes wishing to compete in college must register with the NCAA Eligibility Center. Information about the Eligibility Center can be found online at www.eligibilitycenter.org. 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, **not writing**).

NCAA Division I requires 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math, or natural or physical science that meet the distribution requirements below). These 10 courses become “locked in” at the seventh semester and cannot be retaken for grade improvement.

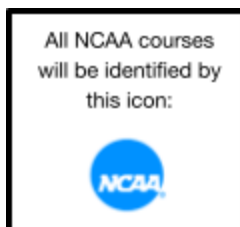
Division I 16 Core Course Standards

- 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 Studies
- 4 years of additional courses (from any area above or world language, non-doctrinal religion/philosophy)

Division II 16 Core-Course Standards

- 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)
- 3 years of additional English, Mathematics, or Natural/Physical Science
- 2 years of Social Studies
- 4 years of additional courses (from any area above or world language, non-doctrinal religion/philosophy)

For more information, please visit the NCAA Eligibility Center website at www.eligibilitycenter.org.



Concurrent Enrollment Program

Eaglecrest High School offers college credit to qualified students for successful completion of the following courses:

Accounting 2	Computer Applications	English Composition 121	Introduction to Literature 115
Business Law	Differential Equations	Engineering Design	Marketing 3
Calculus 3	Digital Art 1	Honors College Algebra	Photography 1
College Algebra	Digital Art 2	Honors College Trigonometry	Principles of Business
Computer Aided Design	Photography 2	Introduction to Computer Programming	

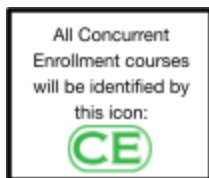
To qualify for these opportunities, a student must first complete prerequisites which may include taking the Accuplacer, SAT, and/or ACT, and/or specific prerequisite course completion.

Information on Concurrent Enrollment offered through Community College of Aurora:

- Students will receive high school graduation credit for his/her CE course(s).
- Students must be enrolled in this class for the entire semester or year and finish with a grade of C or higher.
- Students are required to complete a Concurrent Enrollment application for each course and partnering institution. A Concurrent Enrollment application form will include but not be limited to the assurance of consent by the qualified student and parent or legal guardian that the qualified student will register for the College Opportunity Fund (COF) stipend and understands that credits earned will be deducted from the COF lifetime account (145.0 credit hours) for courses being taken at Institutions of Higher Education that participate in College Opportunity Fund, with the expectation of basic skills credits.
- The college credit will be awarded through the Community College of Aurora, Arapahoe Community College, or the University of Colorado at Denver. Students should check with their postsecondary institution regarding the transferability of the course.
- Students may enroll in the above courses without earning college credit.

Courses offered through the CU Succeed program may have additional fees not covered by the Cherry Creek School District. Scholarship opportunities are available.

Concurrent Enrollment college credit is subject to course and teacher approval and completion of all required registration steps by the majority of the class within the designated semester deadline. Courses may be subject to cancellation for Concurrent Enrollment college credit due to unforeseen changes. Prospective students should meet with their counselor for more information.



Career and Technical Education (CTE) Courses

The Cherry Creek School District Career and Technical Education programs are pleased to offer the highest quality programs to meet both college and workplace standards. All CTE programs require an application which is available through the Counseling Office. All course offerings are listed at the end of this course guide.



Advanced Placement (AP) Program

Eaglecrest High School offers a comprehensive Advanced Placement (AP) Program. Coordinated 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 a specified number of AP exams. The Advanced Placement Program charges a fee for each examination taken. Additional information is available in the 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/or permission to take higher-level courses.
4. 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 study abroad.
7. Eligibility for honors and other special programs open to students who have received AP recognition.

The following AP courses are offered at Eaglecrest High School:

AP Art History	AP English Literature & Composition	AP Physics C
AP Biology	AP Environmental Science	AP Psychology
AP Calculus AB	AP French Language and Culture	AP Spanish Language and Culture
AP Calculus BC	AP Human Geography	AP Spanish Literature and Culture
AP Chemistry	AP Japanese Language and Culture	AP Statistics
AP Computer Science A	AP Micro/Macroeconomics	AP Studio Art
AP Computer Science Principles	AP Music Theory	AP US Government and Politics
AP English Language & Composition	AP Physics 1	AP US History

Honors Diploma Program

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, extracurricular 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 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 Honors Diploma students to complete unique requirements within each area of specialization.

Academics

All Honors Diploma students complete an academic core consisting of honors courses and four or more Advanced Placement courses and advanced study in a world language. Throughout their four years of high school, all students maintain a 3.75-weighted grade point average or above. In addition to these general program requirements, students must 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) 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-curricular).

Areas of Specialization

Upon acceptance as an Honors Diploma student, each freshman chooses an area of specialization and creates 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, Visual Arts, Sci-Tech, and Journalism. Each area has unique course and activity requirements.

Additional information about the Honors Diploma program can be found on the Eaglecrest website under the Academics tab.

Sci-Tech Certificate Program

The Sci-Tech program enables highly motivated students to pursue advanced STEM education in order to enhance their personal college & career opportunities. Through this certificate, students enroll in courses specializing in science, technology, engineering, and math, culminating with a year-long extended learning experience (ELE) in which students produce an innovative design, process, or experiment of their own creation. This learning experience empowers students to pursue individual career passions in fields spanning the sciences, medicine, engineering, computer science, and advanced technologies. Courses within the program emphasize the direct application of science and math through a mixture of theoretical and practical experiences using industry-standard technologies. Eaglecrest Sci-Tech students graduate with the preparation needed for the rigors of university degree programs, career certifications, and advanced technical training.

Sci-Tech Certificate Graduation Requirements

- Overall GPA of 3.0
- Overall GPA of 3.0 in Math, Science, and Sci-Tech Elective Courses
- Attendance at 90% of Thursday morning meetings (approximately 12 per year)
- Regular communication with faculty and industry advisors
- Successful completion and presentation of Extended Learning Experience (ELE)
- Production of conference research poster
- Perform twenty hours of STEM outreach (ex: community service, project presentations)

Courses	Credits
English	4.0
Social Studies	3.0
Mathematics	4.0
Science	4.0
World Language	2.0
Physical Education	1.5
Health	0.5
Sci-Tech Electives	3.0
Other	1.5
Total	23.5

Sci-Tech Electives List

Engineering & Technology

Engineering Technology I or II
 Computer Aided Design
 Engineering Design
 Architectural Design & Drawing
 Robotics & Electromechanical Design
 STEM Projects

Computer Science

Engineering Co-op
 Computer Applications
 Intro to Computer Programming
 AP Computer Science

Arts

Digital Art I or II
 Photography (*any*)
 Video Production I or II
 Technical Theatre Crew

Media

Newspaper
 Yearbook
 Web Design

Miscellaneous

Student Assistant*

Science

Any science beyond required credits
 Science Research*
 Laboratory Technical Assistant*

Math

Any math beyond required credits
Coursework Outside Eaglecrest
 CCIC Courses*
 Cherry Creek CTE Courses*
 Pickens Technical College Courses*
 Executive/Career Internship*

Sci-Tech committee approval required

All Sci-Tech Courses are identified by the following icon:



Global Studies Certificate

Eaglecrest High School offers the option of working toward a specially designated certificate with an emphasis on Global Studies. This certificate is recommended for the highly motivated student seeking a wide exposure to international themes and cultures, while preparing for admission to a competitive college or university. Enrollment is limited to freshmen, or sophomores and juniors who have 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 Global Studies chair. Requirements and specifications for the program are listed below:

Graduation Requirements:

Courses	Credits
English	4.0
Social Studies	4.0
Mathematics	3.0
Science	3.0
World Languages (4 years enrolled in qualifying class)	4.0
Physical Education	1.5
Health	0.5
Fine Arts, Technology Education, Business or Vocational Education, Speech, Journalism, Media, or other approved electives	4.0
Total	24.0

Additional Requirements:

- Successfully complete four years of a *single* world language
- Take at least 4.0 additional credits from the list of International Studies focused classes
- Have a minimum weighted GPA of 3.5
- Be involved in one social or leadership event per year
- Mandatory meeting attendance throughout years as member
- Contribute 20 hours of community service having an International focus
- Develop and present an international senior project

Global Studies focused classes:

CP English 11	AP Human Geography	Culinary Arts 1
AP Language and Composition	AP Micro/Macroeconomics	Mariachi Ensemble
AP Literature and Composition	Economics (0.5 credit)	AP Environmental Science
World History/World Geography	AP Art History	Marketing 3
AP US History	AP Studio Art (conference with instructor and GS coordinators)	International Relations
AP World History		



Journalism Arts Certificate

The Journalism Arts Certificate is designed for students to build on 21st century skills and the four C's in Education: Communication, Collaboration, Creativity, and Critical Thinking. In the program, students dedicate themselves to a holistic or more direct aspect of journalism. Students can focus on art, business, writing, design, or leadership as they participate in Yearbook, Newspaper, or Video Production. The program is not only designed to prepare students for a career in journalism, but also for a career that makes use of journalistic skills such as interviewing, collaborating, using technology, writing, photographing, designing, leading, and more. The combination of courses should prepare students for pursuing a rigorous degree program and teach them how to be more aware of culture and community.

Program Requirements

Students must maintain a minimum GPA of 3.0 overall and a minimum 3.5 GPA in English, Journalism, and Media classes. To be eligible for the certificate, students must participate in Yearbook, Newspaper, and/or Video Production for at least two years and hold a leadership position during one of those years. Students are also required to keep and maintain a digital portfolio to present in April of their senior year. The portfolio will be a collection of work and reflection. Students will be partnered with a member of the program committee during their senior year to make sure the student has met the requirements. To further outside opportunities, students will also be expected to participate in a journalism-related field trip, such as a press conference, state or national convention, or guest speaker.

Graduation Requirements:

Courses	Credits
English	4.0
Social Studies	3.0
Mathematics	3.0
Science	3.0
World Languages (2 years in the same language)*	2.0
Physical Education	1.5
Health	0.5
Journalism or Writing for the Media (minimum 3.0 GPA)	0.5
Yearbook, Newspaper or Advanced Video Production	2.0
Journalism Arts Electives	4.0

*Some universities require level 3 or 3 years of the same language. It is up to the individual student to check specific requirements.

Journalism Arts Electives:

Photography 1	Sociology	Web Page Design
Photography 2	Psychology	AP Environmental Science
Drawing and Painting 1 & 2	AP Psychology	AP Statistics
Digital Art 1 & 2	AP US Government	Adventure Ed 1
AP Art Studio	US Government	Adventure Ed 2
Competitive Speech and Debate	You and the Law	AVID
Writing for Media	Economics	Theater 1
Leadership/Exploration Development	Marketing 1 & 2 (must take both)	Student Council
Leadership Academy	Video Production 1	Video Production 2



Seal of Biliteracy

What is the Seal of Biliteracy?

The Cherry Creek School District Seal of Biliteracy is an award for graduating high school students who can read, speak, listen and write at a high level in English as well as another language. It is a prestigious district award that appears on the student's transcript to certify to colleges and employers that she or he has achieved fluency in multiple languages.

Who can earn the Seal of Biliteracy?

Any student who can demonstrate fluency in English and another language. Students choose from a variety of criteria to demonstrate proficiency.

What languages are eligible for the Seal of Biliteracy?

The non-English language may be any of the following world languages: Arabic, Chinese, French, German, Hindi, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Thai.

What is the criteria for earning for the Seal of Biliteracy?

1. Complete all graduation requirements and a 3.0 GPA in English/Language Arts.
2. Show literacy in English by completing one of the following:







AP English Language & Composition	≥ 3
AP English Literature & Composition	≥ 3
IB English A	≥ 4
IB English Literature A	≥ 4
IB English A1	≥ 4
SAT (Evidenced Based Reading and Writing)	≥ 470

3. Show literacy in a world language by completing one of the following:

AP Spanish (language or literature), French, German, Japanese, Latin, Mandarin (Chinese)	≥ 3
IB Spanish B, IB French B, IB French AB	≥ 4
Successful completion of a 4 year high school course of a single World Language with overall GPA of 3.0	GPA = 3.0 or higher
AAPPL (Arabic, Chinese, French, German, Hindi, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Thai)	I-4 or higher

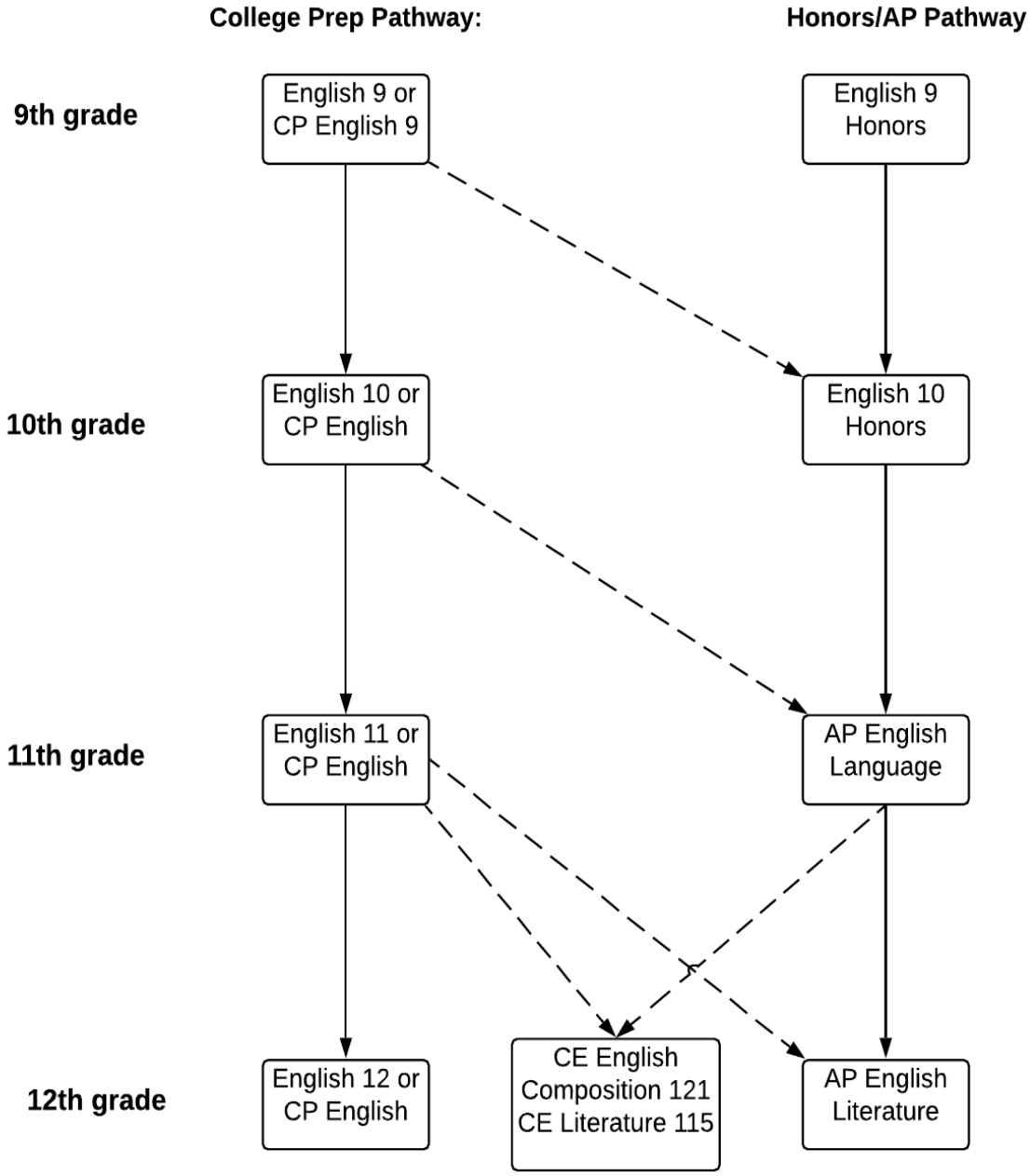
Applications are also available on the Eaglecrest website under Academics tab, then click on Academic Programs. .

Legend for all courses

Concurrent Enrollment	
Journalism Arts	
NCAA	
Sci-Tech	
Global Studies	
Career and Technical Education	
I	Instrument rental fee/maintenance
U	Uniform rental/purchase
W	Weighted
Advanced Placement	AP

English Flowchart

The Eaglecrest English program is developed to prepare each and every student for college success. Each pathway will provide the level of support and rigor appropriate for each student. The flowchart is an example of each pathway. Adjustments and additions between paths are possible. Eaglecrest students are required to successfully complete four years of English courses to meet Cherry Creek School District's graduation requirements.



English Course Descriptions

English 9

Students enrolled in 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 from the current English teacher or SAS case manager is required.

Grade Level:	9	Year	Credit 1.0	Prerequisite:	Approval of English teacher and Student Achievement Service Coordinator
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CP English 9



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, research 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.

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 argumentative 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.

Grade Level:	9	Year	Credit 1.0	Prerequisite:	None
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English 9 Honors (W)



This course 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 the author's 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 the 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.

Grade Level:	9	Year	Credit 1.0	Prerequisite:	Teacher recommendation
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English 10

This course will cover the standards addressed in CP English 10 while students receive 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. Students will study a variety of genres while developing skills in rhetoric, argument, vocabulary, grammar, and mechanics. Students will improve their writing skills by writing and revising a variety of genres including rhetorical analysis, literary analysis, argumentative, and synthesis writing. This course is designed to assist students in gaining proficiency in reading and writing. Approval from current English teacher or SAS case manager is required.

Grade Level:	10	Year	Credit 1.0	Prerequisite:	English 9 or CP English 9, Teacher and Student Achievement Services Coordinator recommendation
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CP English 10

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 reading, writing, research and composition.

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, informative, 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 present an argument, 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.

Grade Level:	10	Year	Credit 1.0	Prerequisite:	English 9, CP English 9, or Honors English
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English 10 Honors (W)



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. 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.

Grade Level:	10	Year	Credit 1.0	Prerequisite:	English 9, CP English 9, or Honors English 9, and teacher recommendation
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English 11



Students enrolled in English 11 will study the standards addressed in CP English 11 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. English 11 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. Approval from current English teacher or SAS case manager is required. Pending NCAA approval.

Grade Level:	11	Year	Credit 1.0	Prerequisite:	English 10 or CP English 10, and English teacher and Student Achievement Service Coordinator recommendation
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CP English 11



CP English 11 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.

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 argumentative 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.

Grade Level:	11	Year	Credit 1.0	Prerequisite:	English 10, CP English 10 or English 10 Honors
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AP English Language and Composition (W)



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, identify and explain 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 EHS International Studies 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	CP English 10 or English 10 Honors
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AP English Literature and Composition (W)



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 EHS International Studies 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.

Grade Level:	12	Year	Credit 1.0	Prerequisite:	CP English 11 or AP English Language and Composition
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English 12



Students enrolled in English 12 will study the standards addressed in CP English 12 while receiving support to improve their skills in reading and writing. The course is thematically based, focusing on exploration of different cultures and voices through contemporary and classical literature in a variety of genres of literature, research, and advanced essay writing. 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. Students continue developing skills in reading comprehension, essay writing, grammar, mechanics, and vocabulary. Approval from current English teacher or SAS case manager is required.

Grade Level:	12	Year	Credit 1.0	Prerequisite:	English 11 or CP English 11, teacher and Student Achievement Services Coordinator recommendation
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CE Introduction to Literature 115  

This concurrent enrollment course emphasizes the close study of fiction genres, including poetry, drama, and narrative (novels and short stories). Students will; read and interpret a variety of texts in detail; work extensively with literary devices in the context of their contribution toward textual meaning, and study and practice elements of writing effective literary analysis. Students enrolled in this concurrent enrollment class will complete college-level work during their senior year of high school, and credits will transfer to any public college in Colorado.

Grade Level:	12	Semester	Credit .5	Prerequisite:	CP English 11, or AP English Language and Composition
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CE English Composition 121  

This concurrent enrollment course emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. The course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. Students in this concurrent enrollment course will complete college-level work during their senior year of high school, which will feature readings, discussion, and writings of a challenging nature. Over the course of the semester, students will develop skills in reading, discussion, and writing that they will use in various post-secondary endeavours. Students enrolled in this concurrent enrollment class will complete college-level work during their senior year of high school, and credits will transfer to any public college in Colorado.

Grade Level:	12	Semester	Credit .5	Prerequisite:	CP English 11, or AP English Language and Composition
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CP English 12 

English 12 is a college preparatory course focusing on 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 of literature, research, and advanced essay writing.

Grade Level:	12	Year	Credit 1.0	Prerequisite:	English 11, CP English 11, or AP English Language and Composition
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Read/Write 1

Read/Write 1 is an intervention class designed to support students in CP English 9 and CP English 10. Students are selected for this course if they are approaching grade level benchmarks as determined by middle school and/or high school English GPAs, state testing, and teacher recommendations. Students in this course will get additional support in reading, writing, and language, For reading, students will work to enhance their reading fluency and develop a more consistent use of comprehension strategies. In writing, students will become proficient writers of five-paragraph essays. In language, students will learn how to incorporate proper grammar and punctuation skills into their writing and examine how these skills can enhance their understanding of the author’s message.

Grade Level:	9-10	Year	Credit 1.0	Prerequisite:	None
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Read/Write 2

Read/ Write 2 is an intervention class designed to support students in CP English 10 and CP English 11. Students are selected for this course if they have already taken Read/Write 1 and are approaching grade level benchmarks as determined by high school English GPAs, state testing and teacher recommendations. Students in this course will get extended support in reading, writing, and language. For reading, students will work to enhance their reading fluency and develop a more consistent use of comprehension strategies. In writing, students will become proficient writers of five-paragraph essays complete with strong hooks, thesis statements, topic sentences, quotes and analysis. In language, students will learn how to incorporate proper grammar and punctuation skills into their writing and examine how these skills can enhance their understanding of the author's message.

Grade Level:	10-11	Year	Credit 1.0	Prerequisite:	None
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English Elective Course Descriptions

Speech

This course is designed for students interested in organized arguments and expanded speaking experiences. The purpose of the class is to gain and practice public speaking skills for a variety of speaking situations. Emphasis will be placed on the application of research, logic, critical thinking and reasoning while debating current issues. Students will study various speaking situations and engage in different speaking activities, including presentations, structured debate, impromptu speaking, and interpretation of literature, to gain and practice a variety of speaking and reasoning skills. Credit earned in this class may be applied to the elective units required for graduation.

Grade Level:	9-12	Semester	Credit .5	Prerequisite:	None
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Competitive Speech and Debate



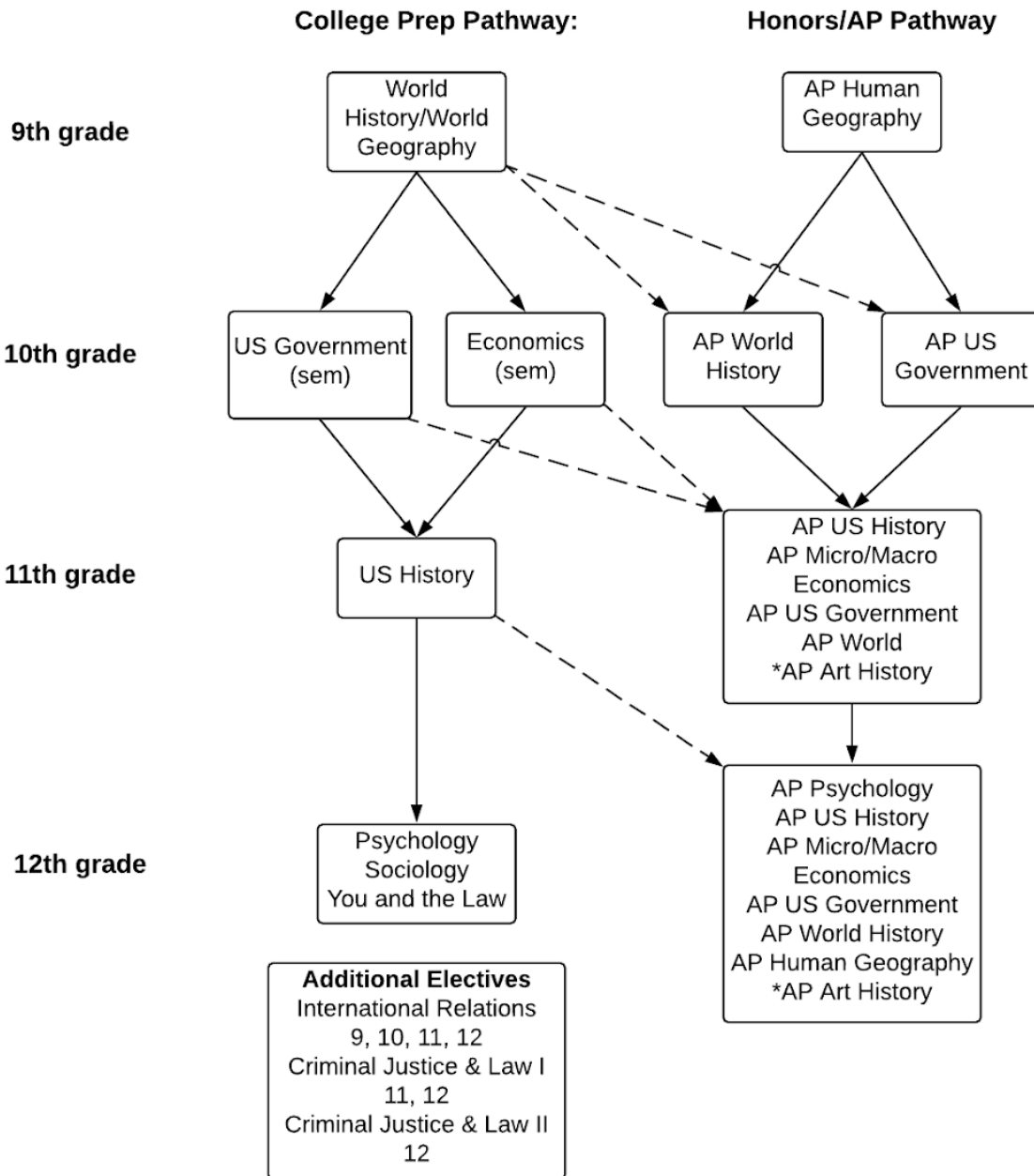
This course is designed for students interested in organized public speaking and debate. The purpose of the class is to prepare for interscholastic speech and debate competition. Students will research, write, and present original orations, speak extemporaneously on current events, and perform interpretative literature. 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. Credit earned in this class may be applied to the elective units required for graduation.

Grade Level:	9-12	Year	Credit 1.0 Fine Arts	Prerequisite:	None	Fee \$100
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Social Studies Flowchart

The Eaglecrest Social Studies Program is based on preparing each and every student for college success. Each pathway will provide the level of support and rigor appropriate for each student. The flowchart is an example; adjustments between paths are possible. The College Prep Pathway prepares students for Advanced Placement classes by their junior year. The Advanced Placement Pathways are for students with a strong reading and writing background.

Students are required to complete three credits of Social Studies courses successfully to meet Cherry Creek District's graduation requirements. The department recommends that all students take four years of Social Studies.



*.5 credit may be applied to Fine Arts credit

Social Studies Course Descriptions

World History/World Geography



From a geographical perspective, this course provides the skills and tools of spatial analysis to better understand the patterns of people, landscape, and natural phenomena of the Earth. From a historical perspective, this course examines the world to understand patterns of culture, types of government, religion, and conflict. The topics of study reflect both the Geography and World History Standards including: Thinking Like a Geographer/Historian, River Valley Civilizations, World Religions/Beliefs, Emerging Empires & States, Environment, Creation, Expansion and Interaction of Economic Systems, Imperialism and Conflict, and Urban Geography. Primary source documents are central to the course. Discussions, simulations, research, and other activities enable students to become involved in their pursuit of the past and relate it to today, both geographically and historically.

Grade Level:	9	Year	Credit 1.0	Prerequisite:	None
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US Government



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 in Foundations, Structures, Constitutional Principles, Politics and Public Policy, Branches of Government, National, State and Local Government and U.S Citizen Participation and rights. 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.

Grade Level:	10-12	Semester	Credit .5	Prerequisite:	None
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Economics



Current economic issues 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, the impact of globalization and Personal Financial Literacy. This course connects to FBLA (Future Business Leaders of America), extending the student's learning from the classroom to simulated business environments.

Grade Level:	10	Semester	Credit .5	Prerequisite:	None
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US History



This is a course focusing on political, economic, social and cultural concepts of United States history. Students will review the Constitution, The Bill of Rights, Civil War, and Reconstruction. Then, students will study Immigration, Industrialization, Westward Expansion, the Progressives, Imperialism, WWI, the 1920's & 1930's, WWII, the Cold War, the 1950's & 1960's, the Civil Rights Movement, Watergate, 9/11, and terrorism, up to present.

Grade Level:	11	Semester	Credit 1.0	Prerequisite:	None
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Criminal Justice and Law I

This course combines Introduction to Criminal Justice (CRJ 110) and Correctional Process (CRJ 145). This course concentrates on potential careers in the criminal justice system and law enforcement in general. Students will learn about the agencies and processes involved in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. This course includes an analysis of the roles and problems of the criminal justice system in a democratic society, with an emphasis upon inter component relations and checks and balances. This course aligns with the Colorado Community College course Introduction to Criminal Justice (CRJ 110) and Correctional Process (CRJ 145). Students will have the opportunity to earn high school credit while at the same time enroll in and earn six community college credits with the opportunity to transfer credit to an institution of higher education. If the student is interested in earning community college credit, an additional free application is required. More information can be found at www.cherrycreekschools/cte on the Concurrent Enrollment tab.

Grade Level:	11,12	Year	Credit 1.0	Prerequisite:	None
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Criminal Justice and Law II

This course combines Principles of Criminal Law (CRJ 205) and Victimology (CRJ 257). Principles of Criminal Law focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law. Victimology demonstrates to the student the role the crime victim plays in the criminal justice system. The traditional response that a crime victim receives from the system will be studied and the psychological, emotional and financial impact these responses have on victimization will be analyzed. This course aligns with the Colorado Community College course Principles of Criminal Law (CRJ 205) and Victimology (CRJ 257). Students will have the opportunity to earn high school credit while at the same time enroll in and earn six community college credits with the opportunity to transfer credit to an institution of higher education. If the student is interested in earning community college credit, an additional free application is required. More information can be found at www.cherrycreekschools/cte on the Concurrent Enrollment tab.

Grade Level:	12	Year	Credit 1.0	Prerequisite:	Successful completion of Criminal Justice and Law
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International Relations

This is an introductory course designed to present our students with the major concepts of international relations. Covering topics from World War II to the present, students will study the motives and techniques of American foreign policy as well as those of many other nations. Attention will be given to the behavior of nations, creating U.S. foreign policy, the Cold War, and current events. Units will include the Cold War, terrorists and freedom fighters, North Korea, the Olympics, Blood Diamonds, and many others. We will appreciate the dynamic relationships, the complexity, and the important social and political variables that influence the people, places and environments around the world. Students will make regular connections between historical events and geography, which will allow them to anticipate the effects of changing conditions around the world.

Grade Level:	9-12	Semester	Credit .5	Prerequisite:	None
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Psychology



This course is designed to provide the foundation for and introduction to basic psychological principles and theories. This class will present students with a basic view of the field of study and will cover theories of personality and mental, emotional and physical development as they relate to the understanding of behavior. 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.

Grade Level:	12	Semester	Credit .5	Prerequisite:	None
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You and the Law



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.

Grade Level:	12	Semester	Credit .5	Prerequisite:	None
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Sociology



This course is designed to provide the foundation for and introduction to basic sociological principles and theories. Emphasis 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 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.

Grade Level:	12	Semester	Credit .5	Prerequisite:	None
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AP Human Geography (W)



This course is offered to students who wish to complete studies equivalent to an introductory college course in human geography. The purpose of the course 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, industrialization and economic development. The structure of the course is designed to prepare students for the Advanced Placement test in the spring. This is an excellent course for students considering studying the social sciences at the university level.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Teacher recommendation, reading or writing skills at or above grade level
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AP US Government and Politics (W)



This course is offered to qualified students who wish to complete studies equivalent to an introductory college course in government. This 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.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Teacher recommendation, reading or writing skills at or above grade level
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AP World History (W)

This course is offered to qualified students who wish to complete studies equivalent to an introductory college course in World History. Divided into 6 chronological eras, the course will focus on key historical themes and content within each of these six periods: Technological and Environmental Transformations, Organization and Reorganization of Human Societies, Regional and Transregional Interactions, Global Interactions, Industrialization and Global Integration, and Accelerating Global Change and Realignment. Analysis and evaluation of sources, historical forms of writing, and thinking like a historian are all emphasized. The structure of the course is designed to prepare students for the Advanced Placement test in the spring.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Teacher recommendation, reading or writing skills at or above grade level
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AP US History (W)

This course 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Teacher recommendation, reading or writing skills at or above grade level
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AP Psychology (W)

This course 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. **AP**

Art History (W)

Grade Level:	12	Year	Credit 1.0	Prerequisite:	Teacher recommendation, reading or writing skills at or above grade level
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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. This is not a studio class, rather an academic investigation of art history. Students should expect to participate in activities outside school grounds: museum, 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 interests in one of the following areas: Fine Arts, English, History, or Linguistics courses. This course is open to 10-12 grade students and does not have a prerequisite.

Grade Level:	10-12	Year	Credit 1.0 .5 may be counted as social studies credit	Prerequisite:	None
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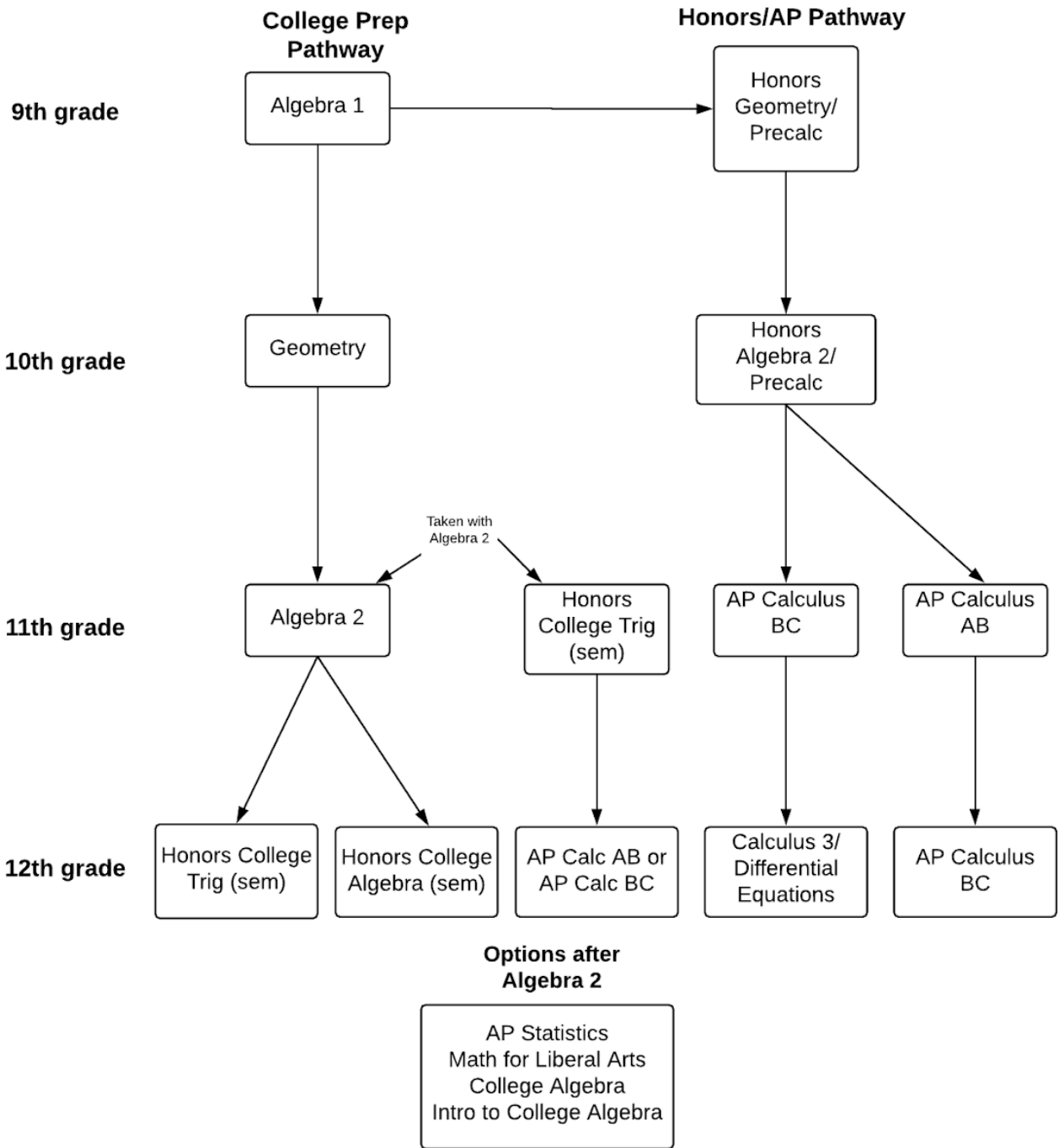
AP Micro/Macroeconomics (W)

AP Microeconomics comprises the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. We place primary emphasis on the nature and functions of product markets and include the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. AP Macroeconomics comprises the principles of economics that apply to an economic system as a whole. We place emphasis on the study of national income and price-level determination, and also develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students are expected to take both the AP Microeconomics and AP Macroeconomics exams in the spring.

Grade Level:	11- 12	Year	Credit 1.0	Prerequisite:	Teacher recommendation, reading or writing skills at or above grade level
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Mathematics Flowchart

The Mathematics curriculum follows the Colorado Academic Standards. The courses are taught with the philosophy that students must have content mastery at a college preparatory level upon graduation. Further, mathematically proficient students must simultaneously develop the habits of mind set forth in the Standards for Mathematical Practice. Our curriculum addresses both goals in order to create students who are both fluent in mathematical computation and are also able to effectively communicate mathematical ideas, problems, and solutions. Students are required to complete three years of math courses successfully to meet Cherry Creek District's graduation requirements. The department recommends that all students take four years of Math.



Mathematics Course Descriptions

Algebra 1X

This course meets every day instead of every other day and is designed for students who need additional time and support to master the Algebra 1 content. See below for Algebra 1 content description.

Grade Level:	9-10	Year	Credit 1.0 Math & 1.0 Elective	Prerequisite:	Approval of math coordinator and teacher recommendation
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Algebra 1

The fundamental purpose of this course is to formalize and extend the mathematics students learned in the middle grades. The content of Algebra 1 deepens and extends students' understanding of linear and exponential relationships by contrasting them with each other, and identifying and exploring the underlying mathematical structures that they share. Students explore many examples of functions, including sequences; analyze them graphically, numerically, symbolically, and verbally; make connections between them; and identify strengths and weaknesses of these forms. Extending the statistics studied in Grade 8, students apply linear models to data that exhibit a linear trend, and mathematically analyze how well the model fits the data. Additionally, students engage in methods for analyzing, solving, and applying quadratic functions and become familiar with the usefulness of multiple forms of quadratic functions. The Mathematical Practice Standards are applied to the content of this course, allowing students to experience Algebra 1 as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Teacher recommendation
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Algebra 2

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical and logarithmic functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers. Functions are studied in relation to one another by analysis of multiple representations of functions with unrestricted domains, as well as those with restricted domains. Students further develop their statistical knowledge by studying the collection, analysis and interpretation of data, and the connections to probability. The mathematical practice standards are applied to the content of this course, allowing students to experience Algebra 2 as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Successful completion of Geometry
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AP Statistics (W)



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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Successful completion of Algebra 2
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AP Calculus AB (W)  

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 differentiation, integration, and applications of integration. The primary goal of this course is successful performance on the AP Calculus AB Exam.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Successful completion (C or higher) of Pre-Calculus/Trigonometry
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AP Calculus BC (W)  

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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Completion of Honors Algebra 2/Pre-Calculus and teacher recommendation
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Calculus 3 (W)   

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.

Grade Level:	11-12	Semester	Credit .5	Prerequisite:	Completion of Calculus BC with a score of 3 or higher on the AP Exam
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College Algebra   

This full year course topics include functions that are polynomial, rational, exponential and logarithmic. Students will study the language and behavior of functions and will solve a variety of applied problems using curve fitting techniques. A Graphing Calculator is required for this course. Students who qualify will have the opportunity to take this course for college credit through the University of Colorado at Denver or Community College of Aurora.

Grade Level:	12	Year	Credit 1.0	Prerequisite:	Successful completion of Algebra 2
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Differential Equations Honors (W)   

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. Students who qualify will have the opportunity to take both of these courses for college credit through the University of Colorado Denver.

Grade Level:	11-12	Semester	Credit .5	Prerequisite:	Completion of Calculus BC with a score of 3 or higher on the AP Exam
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Geometry

The high school Geometry course formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving toward formal mathematical arguments and proof. In this course, rigid and non-rigid transformations (including translations, reflections, rotations, and dilations) are the frame through which students build and prove the concepts of congruence and similarity. Students apply similar reasoning to geometric constructions. Previous experiences with proportional reasoning and the Pythagorean theorem lead students to understand the trigonometry of right triangles. The geometry of two and three-dimensional figures is the focus, including work and analysis in the coordinate plane. The Mathematical Practice Standards are applied to the content of this course, allowing students to experience Geometry as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Successful completion of Algebra 1
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Honors Geometry/Pre-Calculus (W)



For students interested in studying Advanced Placement Calculus in high school and/or STEM related careers post-graduation, condensed courses are offered so that students do not need to take two math classes in one year. In this more rigorous and fast-paced course, students will study all of the content of the Geometry course as outlined. Additionally, the Pre-Calculus topics that connect mathematically to the concepts of Geometry will be included. These topics include, but are not limited to, Law of Sines and Cosines, the study of the unit circle, and vectors. The Mathematical Practice Standards will again be an integral part of the course, supporting students in having conceptual understanding, procedural skill and fluency, and an ability to fully apply their understanding of the mathematics.

Grade Level:	9-10	Year	Credit 1.0	Prerequisite:	Completion of Algebra 1 with an A and teacher recommendation
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Honors Algebra 2/Pre-Calculus (W)



For students interested in studying Advanced Placement Calculus in high school and /or STEM related careers post-graduation, condensed courses are offered so that students do not need to take two math classes in one year. In this more rigorous and fast-paced course, students will study all of the content of the Algebra 2 course as outlined above. Additionally, the PreCalculus topics that connect mathematically to the concepts of the Algebra 2 course will be included. These topics include trigonometric functions and graphs, trig identities, parametric and polar equations. The Mathematical Practice Standards will again be an integral part of the course, supporting students in having conceptual understanding, procedural skill and fluency, and an ability to fully apply their understanding of mathematics.

Grade Level:	10-11	Year	Credit 1.0	Prerequisite:	Successful completion of Honors Geometry/Pre-Calculus
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Honors College Algebra (W)



This one semester course is designed for students who intend to take calculus in college. Topics include functions that are polynomial, rational, exponential and logarithmic. Students will study the language and behavior of functions and will solve a variety of applied problems using curve fitting techniques. A Graphing Calculator is required for this course. Students who qualify will have the opportunity to take this course for college credit through the University of Colorado at Denver or Community College of Aurora.

Grade Level:	12	Semester	Credit .5	Prerequisite:	Successful completion of Algebra 2 and teacher recommendation
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Honors College Trigonometry (W)



Topics in trigonometry, analytic trigonometry, and elementary functions designed for students who intended to take the calculus sequence. Included will be angle measure and trigonometric functions of acute angles, analytic trigonometry, fundamental trigonometric functions and identities, vectors, parametric equations and the polar coordinate system. Graphing calculators are used extensively. Applications are emphasized. Students who qualify will have the opportunity to take this course for college credit through the University of Colorado at Denver or Community College of Aurora.

Grade Level:	10-12	Semester	Credit .5	Prerequisite:	Teacher recommendation and concurrent enrollment in Algebra
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Introduction to College Algebra

This full year College Algebra prep course topics include an introduction to functions that are polynomial, rational, exponential and logarithmic. Students will study the language and behavior of functions and will solve a variety of applied problems. At the end of the course students will be prepared to take College Algebra. A graphing calculator is required for this course.

Grade Level:	12	Year	Credit 1.0	Prerequisite:	D in Algebra 2. (Not higher or lower. Students with combination grades such as D/C will be considered on a case by case basis.)
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Math for Liberal Arts

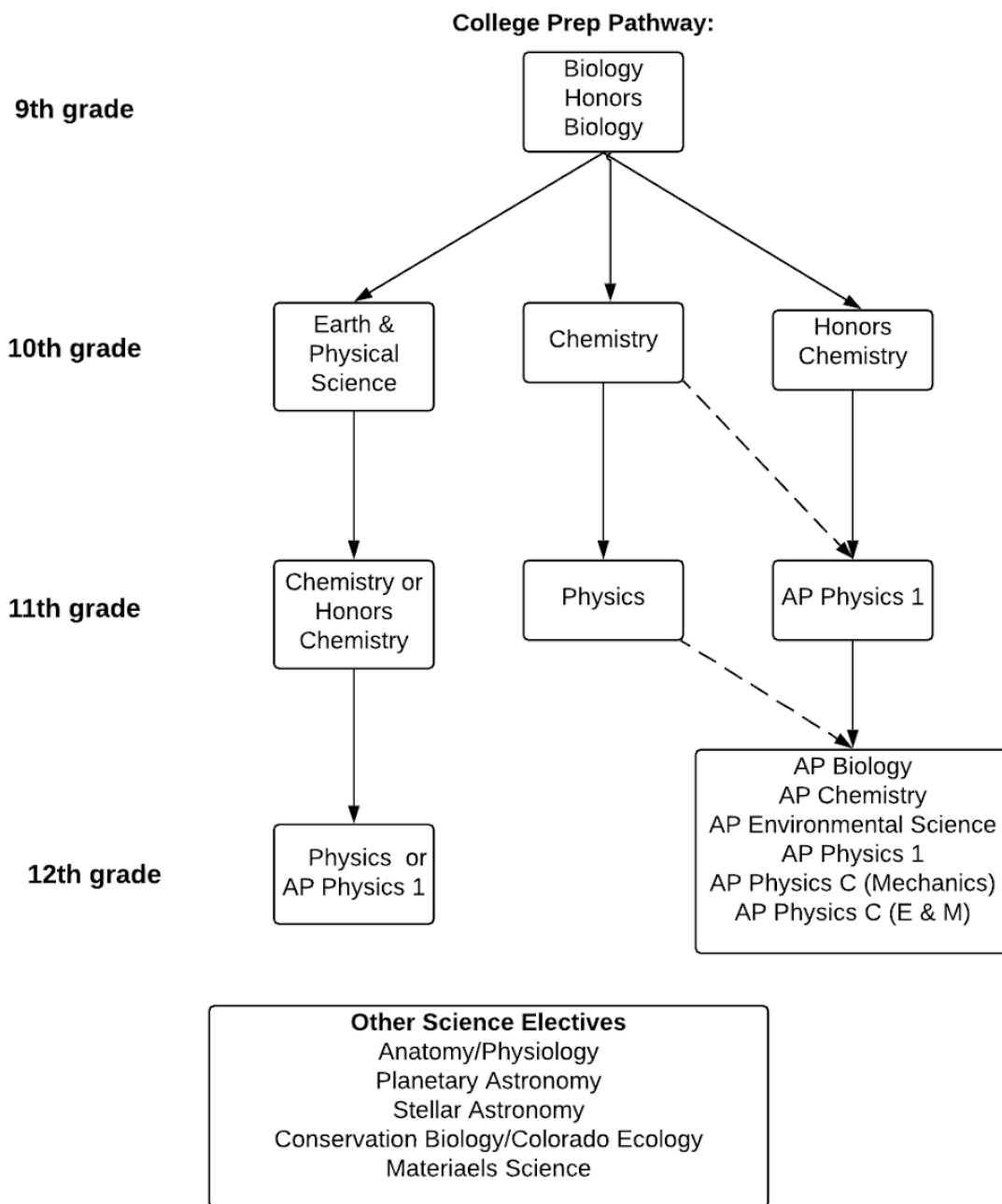


This one semester course is designed to give liberal arts students the skills required to understand and interpret quantitative information that they encounter in the news and in their studies, and to make quantitatively based decisions in their lives. Topics include a survey of logic and analyses of arguments, identifying fallacies in reasoning, working with numbers and units, linear and exponential relations, and essentials of probability and statistics. There is an emphasis on applications in the areas of economics, finance, environmental sciences, health, music and science. This course is only offered second semester.

Grade Level:	12	Semeste	Credit .5	Prerequisite:	Successful completion of Algebra 2
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Science Flowchart

The college preparatory pathway enrolls students in college preparatory courses and prepares students for college readiness by their senior year by completing Physics or AP Physics 1. Students who are successful at the honors-level have the possibility of Advanced Placement courses by their junior year. The pathway has flexibility based upon student success at each level. Enrollment in elective courses is encouraged as an extension and in addition to core content classes (Biology, Earth & Physical Science, Chemistry and Physics). Students are required to successfully complete three years of science courses to meet Cherry Creek District's graduation requirements; however, the EHS Science department recommends that all students take four years of science.



Science Course Descriptions

Biology



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, biochemistry, cellular structure and function, genetics, evolution, and human systems. Laboratory activities reinforce concepts and principles presented.

Grade Level:	9	Year	Credit 1.0	Prerequisite:	None
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Biology Honors (W)



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, biochemistry, cellular structure and function, genetics, evolution, and human systems. Laboratory activities reinforce concepts and principles presented. This course covers the same topics as the regular biology program, but in a greater depth and at an accelerated rate.

Grade Level:	9	Year	Credit 1.0	Prerequisite:	Teacher recommendation
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Earth & Physical Science



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.

Grade Level:	10	Year	Credit 1.0	Prerequisite:	Successful completion of Biology
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Chemistry



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.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Successful completion of Biology and Algebra 1 or teacher recommendation
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Chemistry Honors (W)



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.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Successful completion of Honors Biology and Algebra 1 or teacher recommendation
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Physics



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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Current science teacher recommendation, successful completion of lab science courses in 9 th and 10 th grades, and completion or concurrent enrollment in Algebra 2
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AP Physics 1 (W)



This course is designed to be equivalent to an introductory algebra-based physics course in college. It is meant to teach students the fundamentals of physics, develop their abilities to solve complex mathematical problems, and prepare them for continuing their studies in other AP science courses. Topics taught include kinematics, forces, momentum, rotational motion and torque, kinetic and potential energy, gravity, electric fields, magnetic fields, basic circuitry, simple harmonic motion, and wave mechanics.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Successful completion of Honors Chemistry or teacher recommendation and concurrent enrollment or completion of Honors Algebra 2/Pre-Calculus
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AP Environmental Science (W)

This course 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Successful completion of Biology, Chemistry, and Physics and teacher recommendation. Advanced reading skills required
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AP Biology (W)



This course 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.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Successful completion of Biology and Chemistry, or teacher recommendation
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AP Chemistry (W)



This course 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Successful completion of Biology and Chemistry or teacher recommendation and concurrent enrollment or completion of Honors Algebra 2/Pre-Calculus
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AP Physics C: Mechanics (W)



This course 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 C: Mechanics exam in May. Exam fee required.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Physics, AP Physics, or any AP Calculus
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AP Physics C: E and M (W)

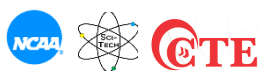


This course matches the second semester of the college sequence that serves as the foundation in physics for students majoring in science or engineering. The sequence is preceded by courses in physics. Strong emphasis is placed on solving a variety of challenging problems, some of which require intermediate 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 C: Electricity and Magnetism exam in May. Exam fee required.

Grade Level:	11-12	Semester	Credit .5	Prerequisite:	Concurrent enrollment in AP Physics C: Mechanics and any calculus course
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Materials Science



Approximately 15 billion tons of raw materials are extracted from the Earth annually to produce every type of material found in everything around you. 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Algebra 1 with a C or better, concurrent enrollment in Geometry, and teacher recommendation
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Conservation Biology and Colorado Ecology



This course provides an introduction to important conservation biology concepts and focuses on the Earth's biological diversity, the values of maintaining biodiversity, influence of threats on populations and species, as well as 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Successful completion of two years of science, including Biology
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Anatomy and Physiology



This course 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.

Grade Level:	11-12	Semester	Credit .5	Prerequisite:	Successful completion of two years of science, including Biology
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Planetary Astronomy



This course is an introduction to the sciences of planetary astronomy and astrobiology. Learn about the planets, moons, asteroids, and comets in our solar system. Engage in real-time studies conducted by NASA, JAXA, and ESA space probes currently studying Mercury, Mars, Jupiter, and Saturn. Discover the expanding space science of locating and classifying extra solar planets, with a focus on the identification of life beyond Earth. Computer simulations, NASA developed online research, and the University of Colorado Project Spectra is utilized to enhance learning. You will have the opportunity to use multiple visible-light telescopes to conduct studies of our neighboring planets.

Grade Level:	11-12	Semester	Credit .5	Prerequisite:	None
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Stellar Astronomy



This course is an introduction to the sciences of stellar astronomy and cosmology. Learn about the electromagnetic spectrum and how telescopes are used to see beyond what is visible to the human eye. Engage in real-time studies of the universe with terrestrial and orbiting space telescopes. Use the Pisgah Astronomical Research Institute 5-meter radio telescope to perform real-time observation of stars, galaxies, and nebulae. Computer simulations, NASA developed online research, and the University of Colorado Project Spectra is

emphasized. Travel in astronomical time from the Big-Bang through the life cycles of the stars to the formation of black holes.

Grade Level:	11-12	Semester	Credit .5	Prerequisite:	None
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Student Assistant Science



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.

Grade Level:	10-12	Semester	Credit .5	Prerequisite:	1 year of science or teacher recommendation
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Laboratory Technical Assistant

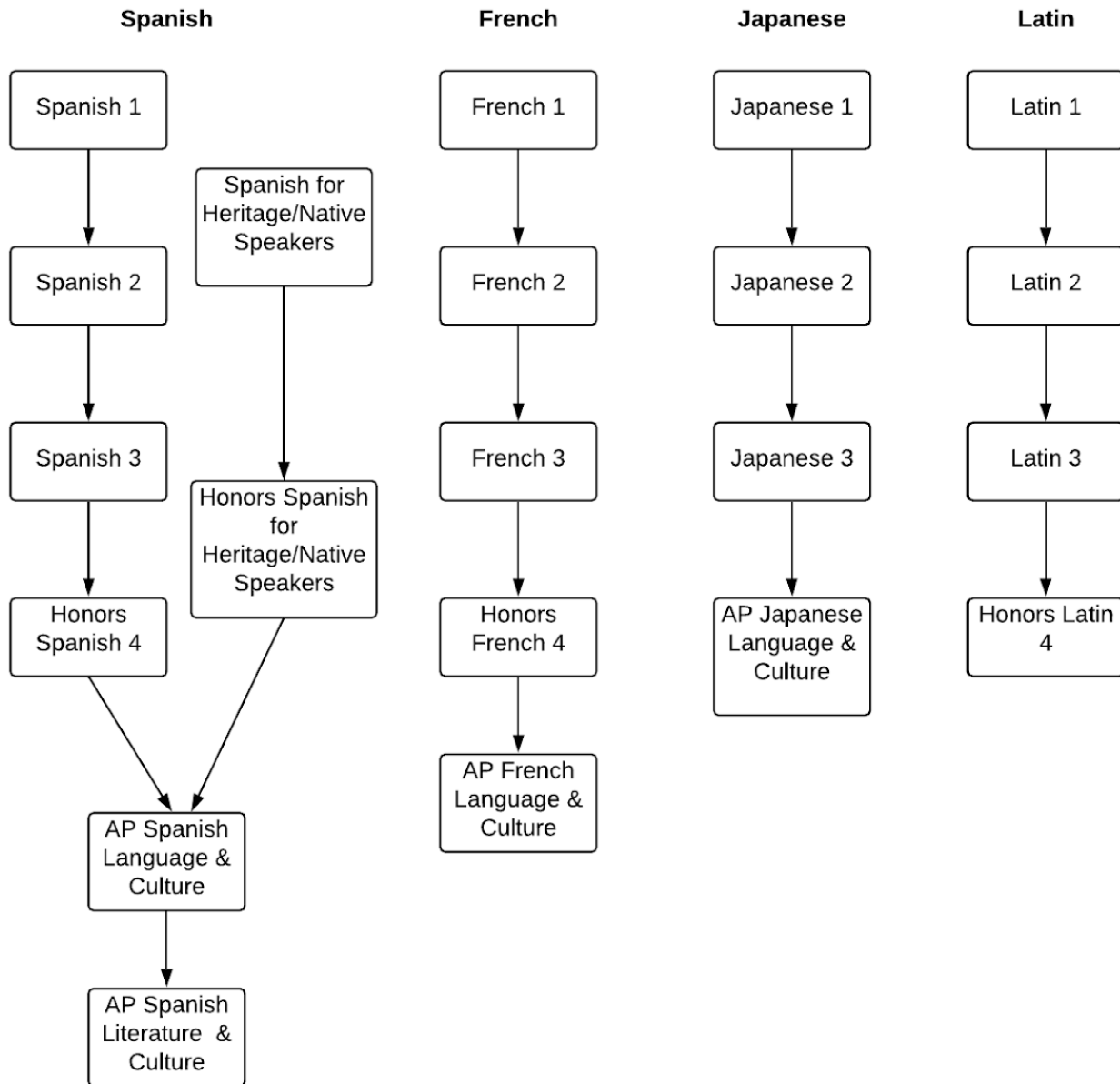


This course is designed to give the student a basic understanding of the maintenance and operation of a science laboratory, and may also include the chemistry prep room, animal room, and/or greenhouse. Students will acquire skills, which they must demonstrate, in the preparation of laboratory materials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

Grade Level:	10-12	Semester	Credit .5	Prerequisite:	Must have been a Student Assistant Science and teacher recommendation
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World Languages Flowchart

Study of a second language is an integral part of the international focus of Eaglecrest. 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. The flowchart is an example of the four world languages that Eaglecrest offers.



World Languages Course Descriptions

French 1



This 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.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Grade level reading proficiency is recommended and teacher recommendation
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French 2



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.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Completion of French 1A and 1B (middle school) with a C or better or demonstrated proficiency in French 1 and teacher recommendation
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French 3



In this course, taught primarily in French, 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 genres. In addition, a more in-depth study of French life and culture will be studied.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	French 2 appropriate level of proficiency or completion of level 2 with a C or better and teacher recommendation
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Honors French 4 (W)



In this course, taught primarily in French, students will work on mastering their fluency in speaking and writing, and increase understanding among 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.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	French 3 appropriate level of proficiency or completion of level 3 with a C or better and teacher recommendation
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AP French Language and Culture (W)



The studies in this course are those required for students to successfully prepare to take the AP French Language & Culture examination in the spring (additional fee). Materials dealing with French history, civilization,

literature, and culture will be used as a basis for intensive oral and written work. This course is taught primarily in French.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	French 4 appropriate level of proficiency or completion of level 4 with a C or better and teacher recommendation
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Japanese 1

This 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.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Grade level reading proficiency is recommended and teacher recommendation
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Japanese 2

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.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Japanese 1 appropriate level of proficiency or completion of level 1 with a C or higher and teacher recommendation
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Japanese 3

In this course, taught primarily in Japanese, 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.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Japanese 2 appropriate level of proficiency or completion of level 2 with a C or higher and teacher recommendation
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AP Japanese Language and Culture (W)

This course, taught primarily in Japanese, 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. Appropriate level of proficiency. Completion of level 3 with a “C” or higher and teacher recommendation

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Japanese 3
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Latin 1  

This course concentrates on teaching the form and structure of the Latin language through reading stories in the language. Students focus on vocabulary and grammar and how they relate to English and other modern languages. Ancient culture is also stressed. Latin 1 students will learn about aspects of the everyday lives of the Romans including dress, mythology, religion, geography, history, folklore, and slavery.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Grade level reading proficiency is recommended and teacher recommendation
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Latin 2  

Students continue to expand their knowledge of the Latin language through stories in Latin. Grammar and syntax are stressed to allow students to begin reading authentic Latin from ancient authors. Cultural topics include: Roman foods, baths, archaeology, gladiators, chariot races, foods, and houses.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Latin 1 or completion of level 1 with a C or higher and teacher recommendation
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Latin 3  

This course continues the study of the form and structure of Latin. More complex grammar and syntax lend the ability to read rich ancient texts. We will read from ancient authors like Eutropius, Caesar, and Ovid. Study of ancient culture is continued along with the study of the Medieval uses of Latin. Culture topics include Greek and Roman heroes, civil wars, Cleopatra, transformation myths, Roman calendar, and coming-of-age ceremonies.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Latin 2 or completion of level 2 with a C or higher and teacher recommendation
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Honors Latin 4 (W)  

During this course, students will learn advanced grammar and syntax structures. Students will analyze and discuss ancient prose and poetry. Special emphasis is placed on the authors Vergil, Caesar, and Catullus. Students may prepare to take the Advanced Placement examination.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Latin 3 or completion of level 3 with a C or higher and teacher recommendation
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Spanish 1  

This course is an introduction to novice language skills in Spanish: speaking, reading, writing and listening. Students will primarily focus on listening and reading comprehension through Comprehensible Input. Verbal proficiency will occur at a novice level, as they study and use simple grammatical structures. By the end of the course, students will be able to listen and understand, read and understand, and write and speak with simple dialogues in Spanish. In addition, students will begin the study of the culture and people of Spanish-speaking countries. During the year students will read at least two novelas in Spanish.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Grade level reading proficiency is recommended and teacher recommendation is required to move forward to Spanish 2
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Spanish 2  



Students will continue to develop novice-high to intermediate-low proficiency in the Spanish language by expanding their skills. Students will primarily focus on listening and reading comprehension through the continued use of Comprehensible Input. Verbal proficiency will occur at a novice-high to intermediate-low level, as they study and use more complex grammatical structures. Grammar and vocabulary become more complex. In addition, students will continue the study of the culture and people of Spanish-speaking countries. Students will read at least two Spanish novelas during the course of the year.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Spanish 1A and 1B (middle school) with a C or higher or Spanish 1 appropriate level of proficiency and teacher recommendation
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Spanish 3  

In this 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 deepen 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 through the continued use of Comprehensible Input.

Grade Level:	9-12	Year	Credit 1.0	Prerequisite:	Spanish 2 appropriate level of proficiency or completion of level 2 with a C or higher and teacher recommendation
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Honors Spanish 4 (W)  

During this course, taught primarily in Spanish, students enhance and expand their communicative skills through class discussion, individually reading 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. The units of study are based on thematic units for Advanced Placement Spanish Language and Culture, making this course a stepping-stone to Advanced Placement Spanish courses.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Spanish 3 appropriate level of proficiency or completion of level 3 with a C or higher and teacher recommendation
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Spanish for Heritage/ Native Speakers  

This course will provide Heritage/ Native Spanish speakers with an entry-level course that will prepare them for the next level, Honors Spanish for Heritage/Native Speakers. Heritage speakers are students who have exposure to the language and culture outside of the classroom, they are able to understand Spanish, but do not necessarily speak, write or read fluently in the target language. In this course students will be introduced to basic literacy skills in Spanish such as grammar, syntax, spelling and vocabulary. The course is intended to be an

accelerated pathway for students who want to deepen their language skills and understanding of diversity among our hispanic community. The class will be conducted mostly in Spanish.

Grade Level:	9-11	Year	Credit 1.0	Prerequisite:	Students must take a placement test and/or have teacher recommendation
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Honors Spanish for Heritage /Native Speakers (W)



This course, taught entirely in Spanish, prepares heritage Spanish speakers for Advanced Placement courses in Spanish. It is intended for students who may speak Spanish at home and are literate in the Spanish language. Students will focus on reading and writing skills in Spanish, the appropriate use of register, and the history and cultures of the Hispanic world. Students will come to appreciate the rich diversity of the Hispanic community as they are encouraged to share their own culture and traditions with other members of the class. They will read and discuss Hispanic literature, improve oral presentation and demonstration skills and fine-tune their writing skills and grammatical accuracy. The goal of this course is not only to polish each student's skills in Spanish, but also to reinforce the study skills necessary for success in all courses. Students will leave this course with the skills and confidence necessary to continue on with their language study at the Advanced Placement level and continue on into intermediate and advanced university Spanish courses.

Grade Level:	9-11	Year	Credit 1.0	Prerequisite:	Placement test
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AP Spanish Language and Culture (W)



This course, taught primarily in Spanish, 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 genres, 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. Appropriate level of proficiency. Completion of Level 4 with a "C" or higher and teacher recommendation.

Grade Level:	10-12	Year	Credit 1.0	Prerequisite:	Spanish 4
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AP Spanish Literature and Culture (W)



During this course, taught primarily in Spanish, 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.

Grade Level:	11-12	Year	Credit 1.0	Prerequisite:	Spanish 4, Spanish for Native Speakers Honors, or AP Spanish Language and Culture and appropriate level of proficiency and teacher recommendation
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Performing Arts Offerings

The Eaglecrest Performing Arts Department believes that all students need a quality performing arts 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, voicing, and audition.

Vocal Music	Instrumental Music			Theatre	Dance
	Band	Orchestra	Mariachi		
Choralaires 9, 10,	Concert Band 9, 10, 11, 12	Concert Orchestra 9, 10, 11, 12	Mariachi Ensemble 9, 10, 11, 12	Theatre 1 9, 10, 11, 12	Dance 1 9, 10, 11, 12
Cantare 10, 11, 12	Symphonic Band 9, 10, 11, 12	Symphonic Orchestra 9, 10, 11, 12		Intermediate Acting 9, 10, 11, 12	Dance 2 9, 10, 11, 12
Troubadours 9, 10,	Wind Ensemble 9, 10, 11, 12			Technical Theatre Crew 9, 10, 11, 12	Training Company 9, 10, 11, 12
Madrigals W: 11, 12 M: 10, 11, 12	Jazz Band 1 9, 10, 11, 12			Harlequin Players 11, 12	Dance Company 9, 10, 11, 12
	Jazz Band 2 9, 10, 11, 12				

Other Performing Arts Electives

Jazz Choir 10, 11, 12
Musical Theatre 9, 10, 11, 12
Social Dance 9, 10, 11, 12

Performing Arts Course Descriptions

I: School owned instrument usage and maintenance: \$25.00-\$100.00

U: \$ 25.00 - 110.00 uniform cost and cleaning

Cantare U

This course is for 45-60 select soprano/alto singers who wish to study in the area of choral music. The purpose of this course is to expose the female vocalists to the professional standards of choral music by studying, singing choral literature, music history, music theory and proper choral technique. Additional emphasis is placed on the development of choral sound, blend, balance, style, diction, phrasing, dynamics, tonal production support, and sight reading skills. Leadership opportunities are available for members of this choir. Members perform at 4 EHS Choral Concerts as well as various outside concerts and are required to participate in extra rehearsals and travel to various choir festivals in-state and nationally.

Grade Level:	10-12	Year	1.0	Prerequisite:	Audition	Fee	\$40
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Concert Band I U

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 "Raptor Regiment" Marching Band, which meets as an extracurricular activity from June through October. All freshmen are required to be a part of the "Raptor Regiment" marching band. 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 also a monetary requirement for this class for things including, but not limited to uniforms, competitions, meals, and transportation. Fundraising opportunities will be available at several different times throughout the year.

Grade Level:	9-12	Year	1.0	Prerequisite:	Two years or more of middle school band or with instructor approval	Fee	Varies
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Chorales U

This is a non-audition 60 - 80 freshman and sophomore women. The core curriculum of this emphasizes the basics of vocal technique, ear-training, sight singing skills and competency in singing 2-4 part treble literature as well as the development of proper choral, vocal technique. This choir will perform in 4 seasonal concerts per school year and is expected to purchase performance attire.

Grade Level:	9-10	Year	1.0	Prerequisite:	None	Fee	\$40
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Concert Orchestra I U

This course is open to all students with previous string experience reading and playing music on a stringed instrument. A variety of orchestral literature will be studied. Opportunities for small ensemble work will be included. Attendance is required at all scheduled concerts.

Grade Level:	9-12	Year	1.0	Prerequisite:	Previous experience in middle school orchestra,	Fee	\$40
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					recommendation from private teacher, or audition		
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Dance 1

This class is an introduction to the basics of dance technique. Styles covered are ballet, modern, lyrical, contemporary and hip-hop. Guest instruction will include swing and Latin dance. Daily class includes floor warm-up, stretch and strengthening across the floor and dance combinations.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$25
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Dance 2

As a continuation of Dance 1, this class builds a stronger foundation of dance through more complex movement combinations, progressive technique, improvisation, choreography and master classes with a variety of guest instructions. The focus of the class is for students to build on their skills from beginning dance and improve specific skills such as pirouettes, leaps and ballet technique. Basic dynamic phrasing and the ability to learn new choreography quickly is a must. All dance classes must attend dance concert for final exam. Course fee covers all concert costumes and expenses as well as all guest instructors. There is an opportunity to fundraise for those in need of financial support.

Grade Level:	9-12	Semester	.5	Prerequisite:	Dance 1 or equivalent elsewhere and approval of instructor	Fee	\$50
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Dance Company

Students who are selected by audition only will be placed in the company in the spring. Students are accepted into Dance Company at a very advanced technical level. The class includes advanced level technique in a variety of styles: Modern, Jazz, Contemporary, Lyrical, Hip Hop, and Ballet. The focus of the class is performance and choreography. Creative choreography will be produced by both the group and guest choreographers. Dance Company members are required to participate in 3 productions; Winter Concert, Black Box Production, and Spring Concert. Dance Company members are required to attend and perform outside of school at the Homecoming Game, Parade, Raptor Rally, etc. Course fee covers all concert costumes and expenses, as well as, all guest instructors. There is an opportunity to fundraise for those in need of financial support.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition	Fee	\$90
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Social Dance

In this class, students with no dance background will learn: how to stretch and warm up appropriately, spatial awareness, how to dance with a partner appropriately, how to conduct self-analysis, and how to critique other dancers. Students will learn the basic techniques of Jitterbug, Lindy hop, Salsa, and Waltz. The class will perform during the Dance Concert at the end of the semester, one class dance and one small group dance!

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$25
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Harlequin Players

This is the advanced level theatre class for juniors and seniors. Students in this class will create and perform productions each semester. Harlequin players is a co-curricular which has an outside of class requirement. This class is for technicians and actors alike.

Grade Level:	11-12	Year	1.0	Prerequisite:	Audition and Theatre 1	Fee	\$25
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Intermediate Acting

This class provides opportunities for students to develop their craft as an actor through movement, voice, world drama, auditioning, and advanced script analysis. Students in this course will understand the importance of movement and voice in character, grasp the vast acting techniques from around the world, critically analyze complex text, synthesize different approaches for characterization, and learn to receive, give and utilize constructive criticism.

Grade Level:	9-12	Semester	.5	Prerequisite:	Theatre 1 or Recommendation from instructor	Fee	
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Jazz Band 1* I U

Jazz Band 1 is designed for students with or without previous jazz experience. Prior instrumental training is mandatory. 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 9 saxophones, 7 trombones, 7 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. There is also a monetary requirement for this class for things including, but not limited to uniforms and competitions, meals, transportation, and trips. Fundraising opportunities will be available at several different times throughout the year.

* Jazz Band is by audition only and all students are required to be in another performing arts class in order to be enrolled in a Jazz Band. See Instructor if you have questions.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition and instructor approval	Fee	Varies
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Jazz Band 2* I U

Jazz Band 2 is designed for students with previous jazz experience. Jazz Band 2 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 7 saxophones, 7 trombones, 7 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. There is also a monetary requirement for this class for things including, but not limited to uniforms and competitions. Fundraising opportunities will be available.

* Jazz Band is by audition only and all students are required to be in another performing arts class in order to be enrolled in a Jazz Band. See Instructor if you have questions.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition only. Student must be enrolled in another performing arts class to be in Jazz Band.	Fee	Varies
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Jazz Choir* U

This is a select, 16 voice 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.

* Jazz Choir is by audition only and all students are required to be in another performing arts choir class in order to be enrolled in a Jazz Choir. See Instructor if you have questions.

Grade Level:	10-12	Year	1.0	Prerequisite:	Audition only.	Fee	
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Madrigals U

This is a select 36-40 voiced choir made up of males and females who wish to sing advanced choral music. The purpose of this course is to expose the vocalists to the professional standards of choral music by studying/singing choral literature, music history, music theory and proper choral technique. Additional emphasis is placed on the development of choral sound, blend, balance, style, diction, phrasing, dynamics, tonal production support, and sight-reading skills. Leadership opportunities are available to all members. The EHS Madrigals perform at various concerts and festivals throughout the state and nation. Members are required to participate in extra rehearsals and travel to various choir festivals. Female Grade Level 11-12 and Male Grade level 10-12.

Grade Level:	see above	Year	1.0	Prerequisite:	Audition only.	Fee	\$40
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Mariachi Ensemble I U

This class is open to students with previous experience reading and playing music on violin, guitar, trumpet, or by singing. Learn about what it means to be a part of Mariachi in the 21st century, expand musical knowledge and ability, and perform in professional settings. The Eaglecrest Mariachi plays many concerts and gigs in the surrounding community. Audition is required for enrollment in this course. Course is geared toward students who have 1 or more years' experience reading and playing music.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition only.	Fee	\$40
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Musical Theatre

This course is designed for dance and theatre students who are interested in pursuing the craft of musical theatre. Students will examine and create both solo and group performance pieces, study the history of musical theatre including career opportunities, vocabulary terms, the creative process, techniques used in reading musicals, and the audition process. All time periods of musical theatre will be explored. There will be an emphasis on dance and its application to the musical theatre stage. There will be opportunities for public performance.

Grade Level:	9-12	Semester	.5	Prerequisite:	Theatre 1	Fee	
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Symphonic Band I U

Symphonic Band is a select group of middle to advanced level musicians. 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 “Raptor Regiment” Marching Band, which meets as an extracurricular activity from June through December. 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, festivals, and trips throughout the year and attendance is mandatory. There is also a monetary requirement for this class for things including, but not limited to uniforms, competitions, meals, transportation, and trips. Fundraising opportunities will be available at several different times throughout the year.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition and instructor approval	Fee	Varies
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Troubadours U

This is a year-long course open to freshmen and sophomore tenors and basses explore choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, ear-training, sight singing skills and competency in singing 3 and 4-part male literature. Singers in this class are expected to perform in 4 seasonal evening concerts and purchase concert attire.

Grade Level:	9-10	Year	1.0	Prerequisite:	None	Fee	\$40
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Symphonic Orchestra I U

This course is open to all students with previous symphony experience reading and playing music on a stringed instrument pending on 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.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition	Fee	\$40
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Technical Theatre Crew



This class is open to any technical theatre students. Areas of technical theatre which will be studied include lighting, sound, set construction, props, scene design, costuming, and painting. Students may also choose to work after school, but are not required to, as well as during the evenings of technical rehearsals and performances.

Grade Level:	9-12	Year	1.0	Prerequisite:	Instructor recommendation	Fee	\$25
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Theatre 1



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 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.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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Training Company

This class is structured to prepare the intermediate student for advanced dance technique classes. Students in the Training Company must audition in the spring 2019. This class includes intermediate technique in a variety of styles: Modern, Jazz, Contemporary, Lyrical, Hip Hop, and Ballet. 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. All dance classes must attend concert for final exam. Course fee covers all concert costumes and expenses as well as all guest instructors. There is an opportunity to fundraise for those in need of financial support.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition	Fee	\$70
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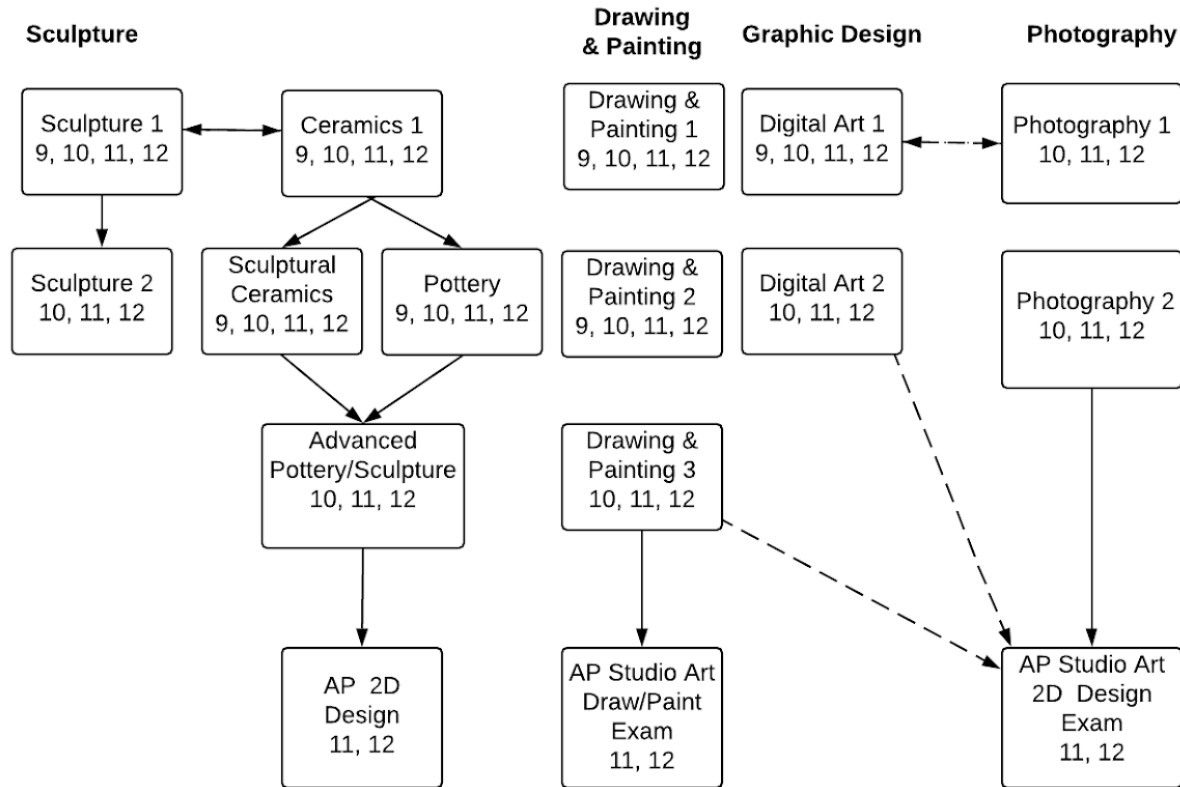
Wind Ensemble I U

Wind Ensemble is open to experienced woodwind, brass, and percussion students by audition only. Wind Ensemble is a select group of musicians who perform a variety of band literature from different musical periods. Emphasis is placed on the acquisition and refinement of more advanced instrumental techniques. Members are required to attend events, extra rehearsals, concerts and festivals. All members of the wind Ensemble are required to be a member of the "Raptor Regiment" Marching Band, which meets as an extracurricular activity from June through December. 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, festivals and trips throughout the year and attendance is mandatory. There is also a monetary requirement for this class for things including, but not limited to uniforms, competitions, meals, transportation, and trips. Fundraising opportunities will be available at several different times throughout the year. Outside of class personal practice and learning of parts is required.

Grade Level:	9-12	Year	1.0	Prerequisite:	Audition and instructor approval	Fee	Varies
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Visual Arts Flowchart

The Visual Arts Department recognizes and nurtures individual perspectives and natural abilities of students whether they explore only one course or decided to make art a career or investigate art. Courses are offered in two-dimensional and three-dimensional media from beginning to advanced levels, culminating in Advanced Placement offerings.



Other Visual Arts Electives

*AP Art History
10, 11, 12

*.5 credit may be applied to Social Studies credit

Visual Arts Course Descriptions

AP Studio Art 2-D Design

This course allows students the opportunity to explore, expand, and experiment using the medium of photography or graphic design. Building on the technical and aesthetic experiences of Photography 1 and both intermediate offerings, as well as, Digital Art 1 and 2; this class further investigates intermediate and advanced processes and topics in both traditional and digital image making. During this course students are expected to begin developing a consistent focused body of work and will complete a portfolio. Students must have demonstrated a strong work ethic, be self-motivated, inquisitive, and maintain an experimental attitude to expand their vision of what 2-D image making can become. Course materials for photography students include a personal film camera and a digital SLR camera (there are a limited number for rent). Students working digitally are encouraged to have a high capacity USB drive. This course aligns with CCSD CTE standards. AP Studio Art offers 3 exams; AP 2-D art and Design Portfolio Exam is the option that this class will offer.

Grade Level:	11-12	Year	1.0	Prerequisite:	Photography 1, and Digital Photography 2, or Digital Art 1 and Digital Art 2	Fee	\$95
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Advanced Pottery/Sculpture

This course is for highly focused and advanced students wanting in-depth exploration in clay. The curriculum will involve students working toward more personal work developed at an exemplary level in both pottery and sculptural ceramics. There will be an emphasis placed on originality, critical analysis, production, and craftsmanship. Students will explore a variety of materials, tools, techniques, and subject matter. Further, students will develop ideas through personal research and a variety of investigative methods. This course may be repeated for credit. AP Studio offers a 3D exam option, this course will help prepare and compile a collegiate portfolio.

Grade Level:	10-12	Semester	.5	Prerequisite:	Sculptural Ceramics or Pottery with a C or better and teacher recommendation	Fee	\$40
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AP Art History (W)

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. This is not a studio class, rather an academic investigation of art history. Students should expect to participate in activities outside school grounds: museums, 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 interests in one of the following areas: Fine Arts, English, History, or Linguistics.

Grade Level:	10-12	Year	1.0 (.5 credit may be applied to Social Studies)	Prerequisite:	None	Fee	\$35
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AP Studio Art Drawing and Painting (W)

This course is designed for the high school students who want to major or minor in art in college or want to pursue 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 Art and Design, 3-D art and Design or AP Drawing 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. A course fee exists to cover the cost of materials; although some specialized materials may have to be purchased. This course may be repeated for credit as three different exams are offered. Additional fees for AP exams.

Grade Level:	11-12	Year	1.0	Prerequisite:	Must have completed all prior levels in Drawing and Painting, Photography, Digital Art or Ceramics	Fee	\$95
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Ceramics 1

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.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$25
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Digital Photography 2

This course utilizes digital darkroom technology designed to expand the skills and creative potential of those who have taken Photography 1. The prior photography experience is necessary to introduce the concepts, tools and technology of digital imaging. Students learn about digital photography 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 explore a variety of visual arts skills. All students will be part of a critical system of analyzing and understanding their art, as well as that of others. Students are required to have access to a digital camera (DSLR preferred). Students who qualify will have the opportunity to take this course for college credit through Community College of Aurora.

Grade Level:	10-12	Semester	.5	Prerequisite:	Photography 1 required, Digital Art 1 suggested	Fee	\$60
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Drawing and Painting 1

Students will explore the fundamental techniques and methods in Drawing and 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. Concurrent Enrollment may become available for this course.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$25
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Drawing and Painting 2



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. Concurrent Enrollment may become available for this course.

Grade Level:	9-12	Semester	.5	Prerequisite:	Drawing and Painting 1 with C or better and teacher	Fee	\$30
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Drawing and Painting 3

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 artistic decisions will be encouraged. Concurrent Enrollment may become available for this course.

Grade Level:	10-12	Semester	.5	Prerequisite:	Drawing and Painting 1 with a C or better and teacher recommendation	Fee	\$30
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Digital Art 1



Covers the creation and production of graphic design projects, emphasizing layout, typography, creative design process, problem solving and research. Students will be pushed in the areas of creativity and craftsmanship while expanding their knowledge of the elements and principles of design. Assignments range from individual to collaborative and are built to introduce design thinking, critical discussion and personal decision-making in relation to graphic design/digital art and address the ethics of intellectual property laws. Through the study of digital art and self-expression, students will strengthen their foundation as an artist and familiarize themselves with ever expanding 21st century career skills. Students will learn to utilize Adobe Illustrator and Adobe Photoshop. Students who qualify will have the opportunity to take this course for college credit through the Community College of Aurora.

Grade Level:	9-12	Semester	.5	Prerequisite:	Drawing and Painting 1 suggested	Fee	\$30
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Digital Art 2



Focuses upon the study of design layout and conceptual elements concerning graphic design projects such as posters, advertisements, logos and brochures. This course provides extended studies of graphic principles and their application to more complex and comprehensive client-based solutions. Experimentation, research, conceptual thinking and process are emphasized in designs for print production. Through project based learning and interaction with real clients, students learn essential design tools and current industry techniques for the development of interactive media. Students will utilize Adobe InDesign and build upon prior skills of Adobe Illustrator and Adobe Photoshop. Students who qualify will have the opportunity to take this course for college credit through the Community College of Aurora.

Grade Level:	9-12	Semester	.5	Prerequisite:	Digital Art 1 with a C or better and teacher recommendation	Fee	\$30
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Photography 1   

This course is designed to offer the student not only fundamental black and white photography skills but also training to develop an artistic eye. Students will go from simple pinhole cameras to sophisticated 35mm SLR camera while concentrating on basic design and composition concepts. Students will develop 35mm film and make printed enlargements using basic darkroom techniques. Students will also begin to analyze and critically respond to their art, as well as the art of others. A 35mm SLR camera is HIGHLY RECOMMENDED! Students who qualify will have the opportunity to earn college credit through Arapahoe Community College.

Grade Level:	10-12	Semester	.5	Prerequisite:	None	Fee	\$65
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Pottery 

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

Grade Level:	9-12	Semester	.5	Prerequisite:	Ceramics 1 with a C or better and teacher recommendation	Fee	\$30
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Sculptural Ceramics

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

Grade Level:	9-12	Semester	.5	Prerequisite:	Ceramics 1 with a C or better and teacher recommendation	Fee	\$30
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Sculpture 1

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 form and record ideas. Manipulative materials used include clay, plaster, wood, and nontraditional sculptural supplies.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$30
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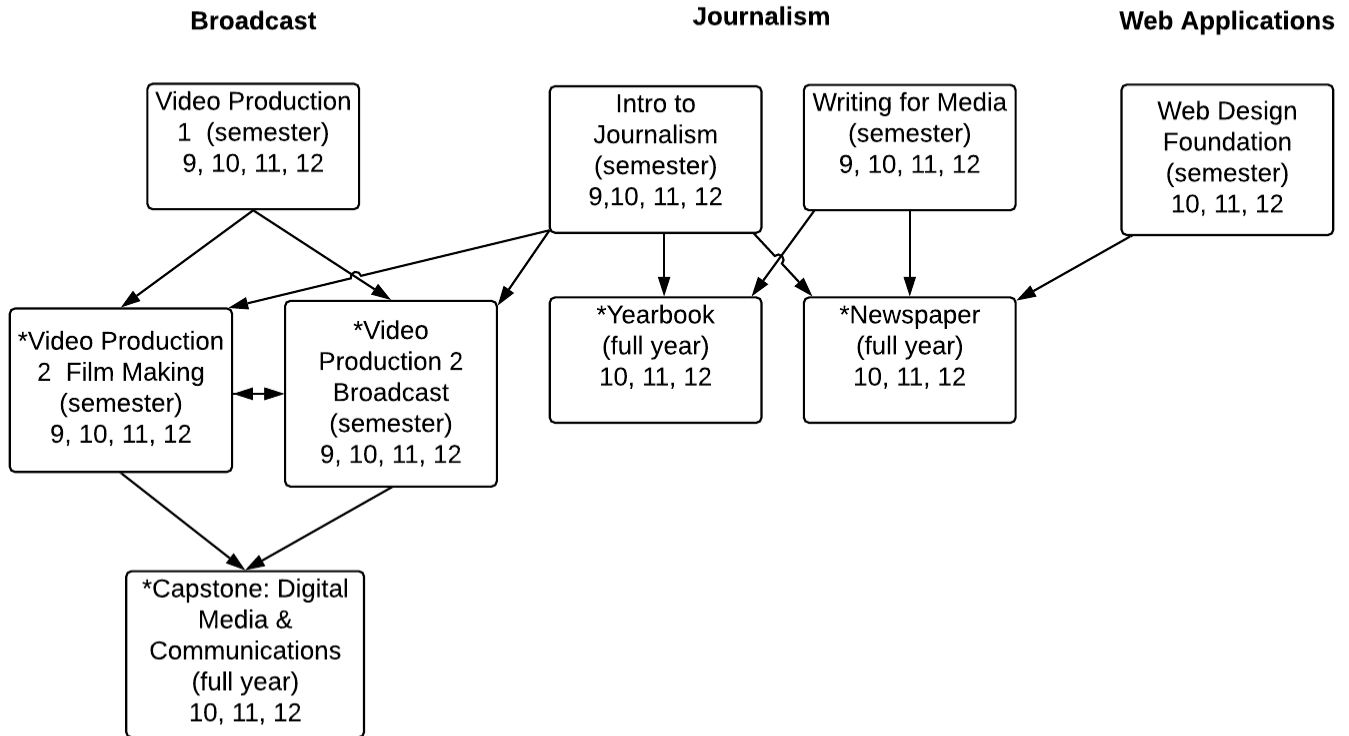
Sculpture 2

Students will use advanced additive and subtractive building techniques to continue to explore three-dimensional construction. Students will continue to refine traditional and contemporary sculptural problems. Students will examine sculpture in art history and in modern installations. Manipulative materials used include clay, plaster, wood, wire, stone and nontraditional sculptural supplies.

Grade Level:	10-12	Semester	.5	Prerequisite:	Sculpture 1 with a C or better	Fee	\$30
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Communication and Information Technology Flowchart

The major focus for the Communication and Technology Information Department is to prepare students with the skills necessary for communication in the 21st century, which includes the ability to speak and interact on a professional level within a cohort of colleagues; to plan and create effective communication in print, online, and/or through video; and to think creatively and critically about the current state of our school, community, and world.



* Indicates that prerequisite classes must be completed and instructor approval must be granted for entry into advanced classes.

Communication and Information Technology Course Descriptions

Intro to Journalism



This course explores multiple aspects of journalism, including interviewing, writing, design, photography, and legal and ethical responsibility. Work created in this class may be submitted for publication in the Eagle Quill newspaper and/or the Eagle Quill online. It is a prerequisite course for both the Journalism II (Newspaper) class and Yearbook class. Successful completion of this course also fulfills a requirement for the Journalism Arts Certificate.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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Newspaper



Students successfully completing Intro to Journalism can register and apply for this course. Newspaper (Journalism II) 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. Students are involved in story writing, editing, and public relations. Enrollment requires the student spend time outside of class to fulfill newspaper staff obligations. Successful completion of this course also fulfills a requirement for the Journalism Arts Certificate. This course may be repeated.

Grade Level:	10-12	Year	1.0	Prerequisite:	Application and approval from Journalism 1 instructor	Fee	
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Video Production 1



This course will address the production of video from conception through completion. Students will learn basic interviewing, writing, storytelling, filming, editing, and broadcast journalism skills. Students will write and produce both individual and group projects. Successful completion of this course is a prerequisite for Video Production 2. Successful completion of this course fulfills a requirement for the Journalism Arts Certificate.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$15
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Video Production 2: Film Making



This course provides students the opportunity to further their skills in interviewing, writing, storytelling, filming, and editing. Students will study the history of short films and documentaries, developing strategies to produce their own original short films and documentaries. Successful completion of Video Production 1 or Intro to Journalism is a prerequisite for this course. Successful completion of this course fulfills a requirement for the Journalism Arts Certificate.

Grade Level:	9-12	Semester	.5	Prerequisite:	Video Production 1 or Intro to Journalism	Fee	\$15
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Video Production 2: Broadcast



Interested in producing the evening news? Then this course is for you. This course will address the production of broadcast journalism from conception through completion. Students will continue to refine their interviewing, storytelling, filming, and editing skills to produce news, sports, and features while learning advanced techniques.

Successful completion of Video Production 1 or Intro to Journalism is a prerequisite for this course. Successful completion of this course fulfills a requirement for the Journalism Arts Certificate.

Grade Level:	9-12	Semester	.5	Prerequisite:	Video Production 1 or Intro to Journalism	Fee	\$15
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Advanced Video Production

This course provides students the opportunity to further their documentary, filmmaking, and broadcast journalism skills. Regardless of whether students are interested in story generation, filming, editing, reporting, or producing, students will be able to further explore their interests. A major responsibility will be to produce the weekly RaptorTV announcements. After school hours will be required at times. Successful completion of Broadcast Journalism or Documentary and Filmmaking is a prerequisite for this course. Students must also apply to enroll in the course. Successful completion of this course fulfills a requirement for the Journalism Arts Certificate.

Grade Level:	10-12	Year	1.0	Prerequisite:	Video Production 1 & Video Production 2	Fee	\$15
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Web Page Design

This course aligns with the Colorado Community College course Complete Web Authoring (HTML) (CWB 110). Students will earn high school credit while at the same time enroll in and earn community college credit with the opportunity of transferring credits to a four-year university. Web Page Design explores the complete set of web authoring skills using HTML and/or other scripting languages. Students will learn the various aspects of web page design including links, backgrounds, controlling text and graphic placement, tables, image maps, frames, and forms. Students will also be introduced to various user interfaces including Dreamweaver, Photoshop, and Fireworks. Students are encouraged to join FBLA (Future Business Leaders of America) to extend their learning from the classroom to simulated business situations.

Grade Level:	10-12	Semester	.5	Prerequisite:	None	Fee	
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Writing for Media

This course explores writing prevalent in the 21st Century. Students will learn how to build and maintain a blog, write for online news sources and broadcasts, and use social media to promote their site. Students must be prepared to read and write at an advanced level, and also analyze composition of print, online, social media, and video writing. Students will be expected to understand the effects of social media and the laws and ethics associated with it. This course fulfills one of the elective credits needed for the Journalism Arts Certificate.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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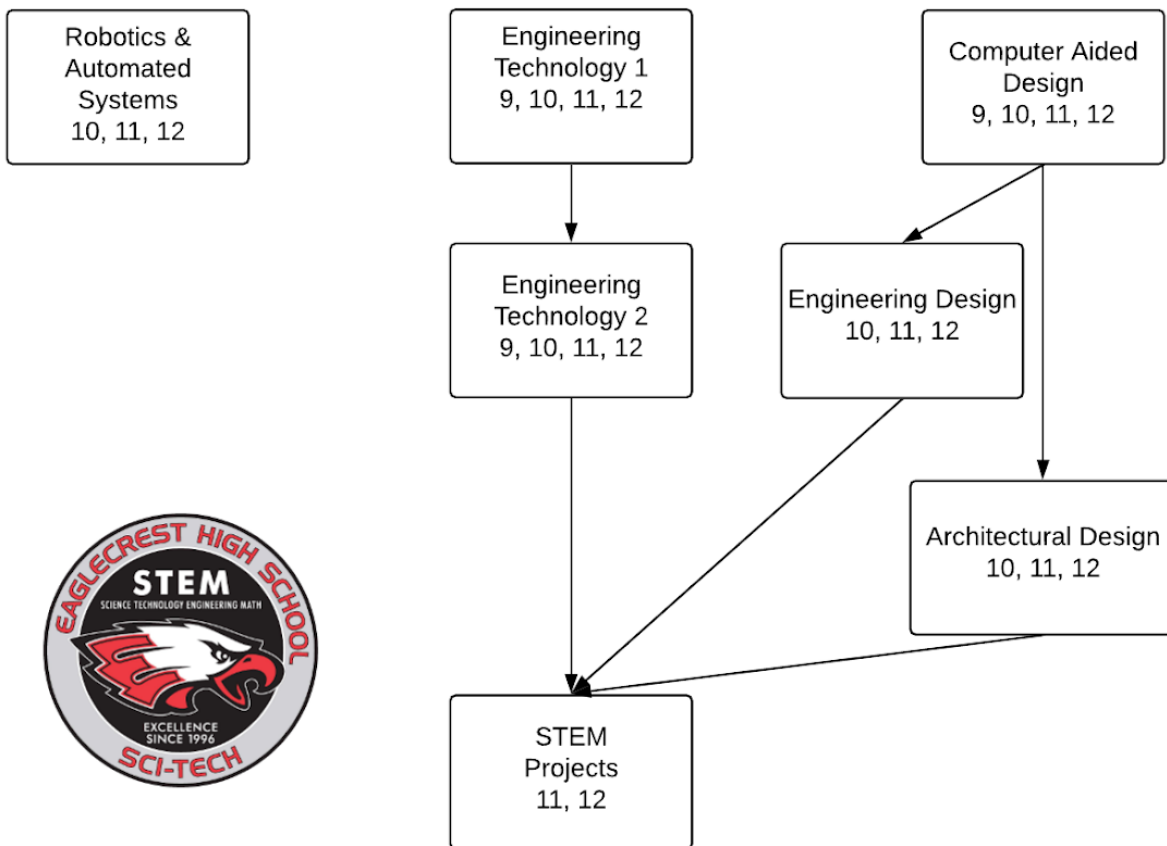
Yearbook

Students successfully completing Intro to Journalism can register and apply for this course. Students in this class work together to produce the award-winning yearbook while furthering their skills in reporting, editing, publication design, photography, advertising, business management, and marketing. Enrollment requires the student spend time outside of class to fulfill yearbook staff obligations. Successful completion of this course also fulfills a requirement for the Journalism Arts Certificate. This course may be repeated.

Grade Level:	10-12	Year	1.0	Prerequisite:	Journalism and/or Writing for Media	Fee	
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Engineering and Technology Flowchart

The Engineering and Technology Education Department offers a variety of courses designed to enhance all core academic areas, as well as, explore the Maker and Do-It-Yourself Movements. By incorporating Science, Technology, Engineering, and Mathematics into hands on problem solving activities students apply creative thought with proven design and build practices. Our courses are built upon the concept of skill development and as students move through our sequence they develop improved skills in designing by use of traditional methods, as well as, solids modeling and simulations. They also advance in building techniques from simple hand tools skills up to 3D printing, laser and CNC machining, and carbon fiber layups. Advancements in Technology have created a complex world of systems that have become increasingly interrelated. Our goal is to build a foundation of technological literacy that is a required skill in today's global environment.



**Open to all Engineering
Content Areas**



Engineering and Technology Course Descriptions

Architectural Design and Drawing

This course provides an introduction to the study of residential design and construction. AutoCAD will be used in the virtual design process. 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. Students are encouraged to participate in the NASA HUNCH student organization.

Grade Level:	10-12	Year	1.0	Prerequisite:	CAD	Fee	\$20
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Computer Aided Design

Computer Aided Design is an entry-level STEM class that teaches students how to use various technologies to read, create, and manufacture digital designs. Students will learn the fundamentals of Computer-Aided Drafting and Design (CADD) while completing projects that emphasize engineering design, reasoning, problem solving and entrepreneurship. This course explores careers and skills related to engineering, architecture, computer science, physical science, and product design. Students have the opportunity to earn their Certified SolidWorks Associate (CSWA) industry certification. This course aligns with SolidWorks Basic (CAD 256) at the Community College of Aurora and fulfills the prerequisite for engineering & technology courses at the Cherry Creek Innovation Campus (CCIC). Students are encouraged to participate in the NASA HUNCH student organization.

Grade Level:	9-12	Year	1.0	Prerequisite:	None	Fee	\$20
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Engineering Drawing & Design

Engineering Drawing & Design is a second-year course that extends student skills in computer-aided design while performing advanced projects in engineering & science. Students will use automatic fabrication tools such as 3D printers, laser cutters, and CNC milling machines to solve authentic problems in different fields including aerospace, biomedical, civil, electrical, and mechanical engineering. Students have the opportunity to earn their Certified SolidWorks Professional (CSWP) industry certification. This course aligns with SolidWorks Intermediate (CAD 257) at the Community College of Aurora. This course is recommended for students interested in pursuing engineering and technology pathways at the Cherry Creek Innovation Campus. Students are encouraged to participate in the NASA HUNCH student organization.

Grade Level:	10-12	Year	1.0	Prerequisite:	CAD	Fee	\$25
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Engineering Technologies Co-Op

This course enables students to combine the studies of engineering, product design, and manufacturing with entrepreneurship and marketing. Students will design, prototype, and produce commercial products using 3D printing, laser cutting, CNC milling, and vinyl printing technologies. Additionally, students will learn about processing, supply chain management, fabrication, fulfillment, quality assurance, and customer service. Students will operate and manage the co-op in order to create a viable business. This course may be repeated for credit. Students are encouraged to participate in the NASA HUNCH student organization.

Grade Level:	10-12	Year	1.0	Prerequisite:	Instructor Approval	Fee	
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STEM Projects

This is a course enables mature, driven students to complete an independent study in STEM fields such as engineering, architecture, biotechnology, robotics and computer science. The Sci-Tech Extended Learning Experience (ELE) can be fulfilled during this course. Students will conduct research, document their findings via a project journal, produce a design portfolio, complete an industry job shadow, and deliver formal project presentations. An advisory committee will provide expertise and feedback to the students during the course. Advanced design & experimentation, project management and independent learning skills are developed in this course. This class is instrumental towards helping students make future career and education decisions. this course may be repeated for credit. Students are encouraged to participate in the NASA HUNCH student organization.

Grade Level:	11-12	Year	1.0	Prerequisite:	Instructor Approval	Fee	\$25
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Pre-Engineering Technology 1

This 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 world by applying science, technology, engineering, and math (STEM) concepts. Industry standard Solidworks Computer Aided Design (CAD) software will be used to design and develop projects that will be created in the Manufacturing Lab. Projects change each semester and have included puzzle cubes, wooden clocks, light boxes, and other special designs.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$20
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Pre-Engineering Technology 2

This course is a continuation from Pre-Engineering Tech 1 and is designed to expand on the engineering design and fabrication skills students previously developed. Students will continue to expand their understanding of the engineering world around them by applying science, technology, engineering, and math (STEM) concepts. In the course, students will use industry standard Solidworks Computer Aided Design (CAD) software to design projects and then create them using advanced manufacturing techniques, including 3-D printing, CNC milling and laser engraving. Projects change each semester, but have included light sculptures, simple electronic devices, and other special designs.

Grade Level:	9-12	Semester	.5	Prerequisite:	Pre-Engineering Technology 1 and instructor approval	Fee	\$20
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Robotics and Electromechanical Design

Students will expand their understanding of robotic design, automation technologies, and programming techniques using VEX robots. Topics include building, programming, troubleshooting, and maintenance of robotic systems. This class incorporates a variety of robotics topics including history, computer and hardwired controls, sensors, motors, and actuators. Students will work through a series of simulations and experience challenges based upon state and nationally-recognized competitions. Students will continue to expand their understanding of the engineered world around them by applying science, technology, engineering, and math (STEM) concepts.

Grade Level:	10-12	Semester	.5	Prerequisite:	Algebra 1	Fee	\$20
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Business Course Offerings

The Business Department is dedicated to preparing students for college success in a rapidly changing world by expanding each student's knowledge and skills in business, marketing, finance, programming, and information technology. Students leaving a business course foster success for further education in college and the workforce to effectively function in our economy. Opportunities are available for in-depth study of specific business classes through DECA and FBLA, as well as, other outside business opportunities. Multiple courses in the Business Department are eligible for concurrent enrollment, allowing a student to earn both high school and community college credit.

Business

Introduction to Business
9, 10, 11, 12

Personal Finance
9, 10, 11, 12

Legal Environment of Business
9, 10, 11, 12

Accounting 1
9, 10, 11, 12

Accounting 2
10, 11, 12

Marketing

Marketing 1
10, 11, 12

Marketing 2
11, 12

Marketing 3
11, 12

Programming

Introduction to PC Applications
9, 10, 11, 12

Computer Programming I
9, 10, 11, 12

AP Computer Science Principles
9, 10, 11, 12

AP Computer Science
10, 11, 12

Open to all Business Content Areas

Business Co-op
11, 12

Business Course Descriptions

Accounting 1

This course is a full-year introduction to the fundamentals of accounting. Major units of study include the accounting cycle from the perspective of a sole proprietorship and a corporation, and the role accounting plays in the ongoing operation of a business. Students will develop an understanding of business activities by recording basic accounting transactions, preparing financial statements, payroll records, and 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 Concurrent Enrollment pathway for accounting. Students who elect to complete the two-year program are eligible to receive community college credit. 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 in FBLA is placed on service to others, social activities and competitive events.

Grade Level:	9-12	Year	1.0	Prerequisite:	None	Fee	
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Accounting 2

Students will continue to master their understanding of business activities by recording more advanced accounting transactions, preparing financial statements as a part of the management decision-making process. A combination of manual and PC-based automated accounting systems will be used. Students who successfully complete both Accounting 1 and Accounting 2 will have the opportunity to earn Concurrent Enrollment credit through the Community College of Aurora. 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 in FBLA is placed on service to others, social activities and competitive events.

Grade Level:	10-12	Year	1.0	Prerequisite:	Accounting 1 and instructor approval	Fee	
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AP Computer Science (W)

AP Computer Science is a year-long, college-level course in the study of computer programming using the Java language to solve problems. This class will prepare students for the Advanced Placement Computer Science exam. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. Students are encouraged to join FBLA (Future Business Leaders of America) to extend their learning from the classroom to simulated business situations.

Grade Level:	10-12	Year	1.0	Prerequisite:	Introduction to Computer Programming	Fee	
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AP Computer Science Principles (W)

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of computer science including:

programming, abstraction, algorithms, large data sets, the internet, cyber security, and how computing impacts society. AP Computer Science Principles will give students the opportunity to address real world problems and build relevant solutions. The AP exam is comprised of three parts: 1) the “Explore Project” which involves extensive research to create an artifact and a written report to explain a technology innovation, 2) the “Create Project” where students create a program to accomplish a task and demonstrate the use of abstraction and algorithms, and 3) a comprehensive multiple choice test given on the AP exam date.

Grade Level:	9-12	Year	1.0	Prerequisite:	Freshmen must have passed a full year of Algebra	Fee	
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Business Co-op

Students will have the opportunity to work in the Marketing/DECA related “Raptor Shack” for first and/or second semester. Students will learn retailing, cashiering, inventory and human relations skills while maintaining a fully functioning school store.

Grade Level:	10-12	Year	1.0	Prerequisite:	Instructor Approval	Fee	
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Business Law

This course will address legal topics concerning business and the individual. Topics of discussion will include contract (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. Students who qualify will have the opportunity to earn college credit for this course through the Community College of Aurora.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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Computer Applications

With increased use of computers in our daily lives, it is crucial that students develop the ability to efficiently use a computer. This course introduces basic computer terminology, file management and PC system components. Students are provided an overview of office application software including Word, Excel, Access and PowerPoint. Students also have access to a web browser to access the internet. 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) to extend their learning from the classroom to simulated business situations. Students who qualify will have the opportunity to earn college credit for this course through the Community College of Aurora.

Grade Level:	9-12	Semester	.5	Prerequisite:	Demonstrated proficiency in keyboarding skills	Fee	
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Introduction to Computer Programming

Introduction to Programming will introduce students to computer programming while learning knowledge and skills needed to develop applications in Java. Students will learn the syntax and structure of a Java program, as well as, object-oriented programming techniques. Specific areas of study include: reading and understanding a problem description, purpose and goals, syntax, primitive data types, objects, classes, methods, parameters, decision structures, truth tables, loops, strings, algorithms, testing and debugging. Introduction to Programming

is a prerequisite to AP Computer Science which students are encouraged to sign up for. Students are encouraged to join FBLA (Future Business Leaders of America) to extend their learning from the classroom to simulated business situations.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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Marketing 1

This course is a full-year introduction to the fundamentals of marketing. The major units of study include an introduction to promotions, professional selling, marketing research, and Fortune 500 companies. Students will participate in a virtual business simulation and design an advertising campaign. Students will also receive hands-on experience in developing and creating products for today's society. Marketing 1 is a prerequisite to Marketing 2 which simultaneously offers high school and college credit. Only students enrolled in Marketing classes can participate in DECA, a co-curricular organization. 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 1 students are also eligible/encouraged to join FBLA (Future Business Leaders of America) to extend their learning from the classroom to simulated business environments.

Grade Level:	10-12	Year	1.0	Prerequisite:	Principles of Business recommended	Fee	\$35
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Marketing 2

Is a full-year course expanding on Marketing 1 curriculum. Content topics include entrepreneurship, finance, product development, pricing, promotion, and distribution. Students will apply their learning to a comprehensive business plan. Digital marketing will be analyzed and applied to real-world projects. 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.

Grade Level:	11-12	Year	1.0	Prerequisite:	Marketing 1 and instructor approval	Fee	\$35
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Marketing 3

This full-year course is designed for students who wish to study advanced marketing concepts. Along with studying marketing careers and global marketing, students will also write a marketing research plan and participate in a virtual business simulation. Marketing 3 students will be introduced to marketing/business ethics and regulatory agencies through mock trials and hands-on projects. In addition to the courses mentioned above, students will meet business professionals from the community and state of Colorado. This class is eligible for high school and college credit. Marketing 3 students will take an active role in DECA at EHS. Only students enrolled in Marketing classes can participate in DECA, a co-curricular organization. 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 3 students are also eligible and encouraged to join FBLA (Future Business Leaders of America) to extend their learning from the classroom to simulated business environments. Students who qualify will have the opportunity to earn college credit for this course through the Community College of Aurora.

Grade Level:	12	Year	1.0	Prerequisite:	Marketing 2 and instructor approval	Fee	\$35
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Personal Finance

Personal Finance teaches students how to prepare for living expenses during college and career. Major units of study include time management, budgeting, housing, transportation, insurance, credit, taxes, investing, and career exploration. A variety of activities are utilized capped off with a computer simulation offering students a simulated look into managing personal finances. Students are also eligible and encouraged to join FBLA (Future Business Leaders of America) to extend their learning from the classroom to simulated business environments.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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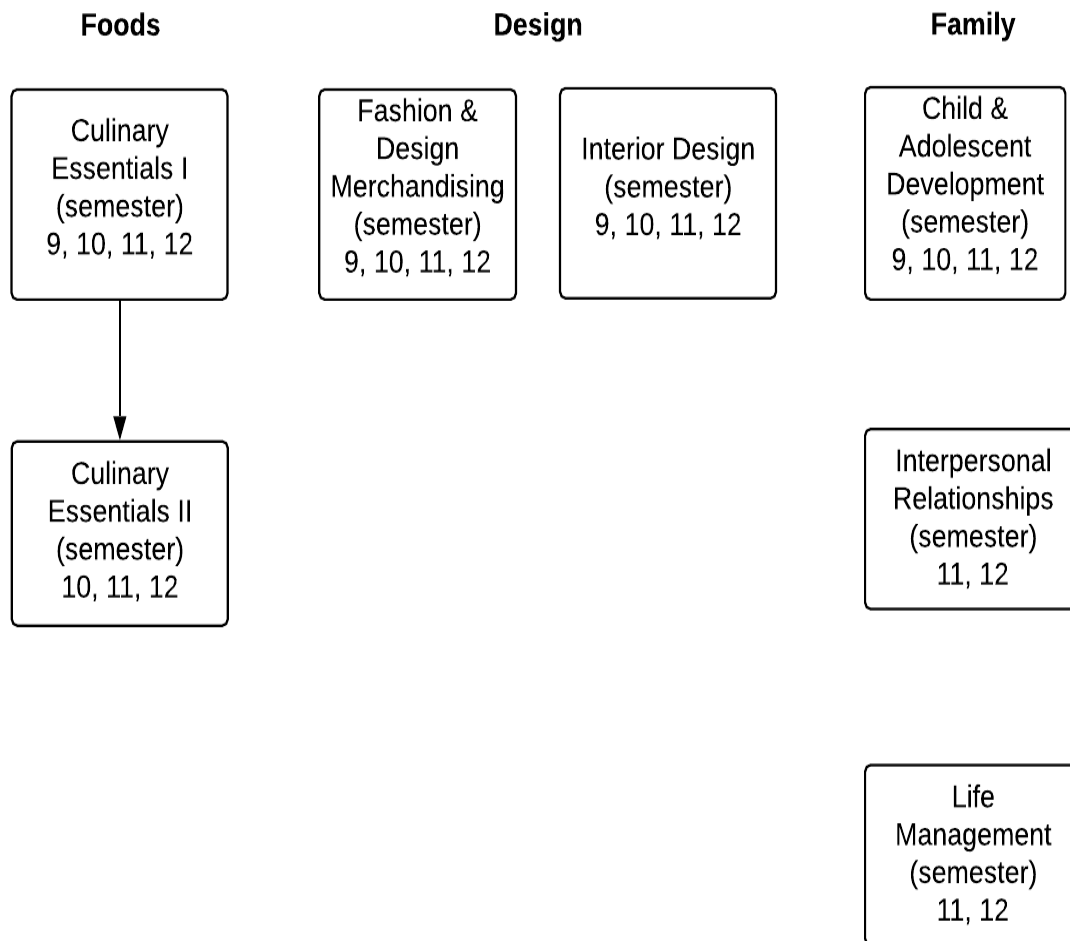
Principles of Business

This course 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 understanding today's changing business world. 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).

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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Family and Consumer Sciences Offerings

The major focus of the Family Consumer Sciences courses is to contribute to the development of skills and values to help prepare each and every student for success after high school. It is in Family and Consumer Sciences courses that students develop life skills specifically related to wise consumerism, good nutrition and healthy, satisfying and successful relationships, parenting, careers in fashion, textiles, interior design and early childhood education. We believe that the Family and Consumer Sciences program should be creative and encourage practical and hands-on learning assignments, which will allow students the opportunities to develop their potential interests and talents. Our department prepares students for multiple life roles and responsibilities in family, work, community and the global society.



Family and Consumer Science Course Descriptions

Fashion 1

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. Students will learn how to construct and assemble a beginning sewing project.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$30
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Foods and Nutrition

The purpose of the culinary nutrition course is to develop lifelong, healthy individuals with an understanding of healthy and nutritious cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, exploring careers related to culinary nutrition, and practicing wise consumer decisions. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.

By completing Teen Challenges & Choices and Foods and Nutrition, a student will fulfill the District Health requirements.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$35
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Gourmet Foods

This course is designed for students who wish to develop advanced food preparation techniques for a career in the food industry. The purpose of this course is to develop skills in food preparation, safety and sanitation, menu planning, customer service, business plans, and entrepreneurship. Lab and demonstrations may include but are not limited to the five mother sauces, appetizers, salads, entrees, pastries, breads, soups, meats, entertaining and service. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to this class.

Grade Level:	10-12	Semester	.5	Prerequisite:	Foods and Nutrition	Fee	\$35
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Interior Design

Students will learn aspects of creating a functional, beautiful, economical and comfortable living environment. After learning the elements and principles of design, students will explore space planning, design drawings, and selection of decorating materials. Students will complete floor plans and design the interiors of homes. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$25
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Life After High School

This course is designed to help students prepare for a successful life after high school within their college and career endeavors. Students will self-reflect on their strengths and qualities that make them marketable when it comes to their futures as consumers, as well as, learn best practices when applying and interviewing for schools and careers. The course will also provide strategies for financial success with emphasis on budgeting, checking and savings, loans, credit, buying a car, renting an apartment, insurance, 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.

Grade Level:	11-12	Semester	.5	Prerequisite:	None	Fee	
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Teen Challenges & Choices

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 Teen Challenges & Choices and Foods and Nutrition, a student will fulfill the District Health requirements.

Grade Level:	11-12	Semester	.5	Prerequisite:	None	Fee	
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Parenting/Child Development

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. Students 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.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	
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Physical Education Offerings

The Physical Education Department offers a health-related fitness program. Students will experience a variety of cardiovascular and fitness activities, as well as, develop skills through participation in team and individual sports.

Students will also acquire the practical experiences and knowledge related to establishing a healthy lifestyle, both as an adolescent and as a maturing adult. The program will provide emphasis on the development of conditioning techniques, health related fitness, cardiovascular fitness, agility, strength and flexibility, training and nutrition.

Sports	Adventure	Swim	Weights/Fitness		
Physical Education 9, 10, 11, 12	Adventure Education 1 9, 10, 11, 12	Learn to Swim 9, 10, 11, 12	Weight Training 1 and Personal Fitness for Girls 9, 10, 11, 12	Weight Training 1 and Personal Fitness for Boys 9,10, 11, 12	Fitness 9, 10, 11, 12
Recreational Sports and Fitness 9, 10, 11, 12	Adventure Education 2 9, 10, 11, 12	Swimming 9, 10, 11, 12	Weights 2 and Personal Fitness for Girls 10, 11, 12	Weights 2 and Personal Fitness for Boys 10, 11, 12	Yoga 9, 10, 11, 12
Team Sports and Fitness 9, 10, 11, 12	Adventure Leadership Training 10,11,12	Advanced Swimming 9, 10, 11, 12	Advanced Weights 10, 11, 12		
	Adventure Leader 10, 11, 12	Aquatic Recreation 9, 10, 11, 12			
		Swimming Fitness 9, 10, 11, 12			
		Lifeguard Training 10, 11, 12			
Blended Learning	Health	Sports Medicine			
Ultimate Fitness 9, 10, 11, 12	*Health 10, 11, 12	Sports Medicine 10, 11, 12			
Athletic Training 10, 11, 12	*Health is required for graduation				
Health* 10, 11, 12					

Physical Education Course Descriptions

Advanced Weights

This class is for BOYS and GIRLS looking for a combination of today’s popular weight lifting sports known as Power-Lifting, Olympic Lifting, and Crossfit®. Daily activities will be associated with developing overall strength and power through the most modern and safe training concepts for the sport of weightlifting. Proper technique, power development, complicated lifting techniques, nutrition, and recovery associated with these highly intense sports will be the focus of the class along with a rigorous training model that students will be able to carry with them upon the conclusion of the class. Students are required to dress out daily.

Grade Level:	10-12	Semester	.5	Prerequisite:	Weight Training 1 & Personal Fitness for Girls or Boys	Fee	\$5 each- shirt and lock (optional)
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Adventure Education 1

This course uses games, challenges, and group initiatives to help students learn self-reliance, trust, teamwork, and problem solving skills. Highlights are learning indoor rock climbing, and stand up paddleboarding. Adventure 1 units include outdoor safety and survival, compass and map orienteering, camping and cooking, wilderness first aid, and paddle sports in the EHS swimming pool. The class fee pays for program equipment, first aid supplies and camping fuel. There will be the opportunity to take one field trip to an indoor climbing gym (additional fees will apply for optional field trips).

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$30
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Adventure Education 2

Adventure 2 is a class designed with a Rock Climbing emphasis. Outdoor and Indoor climbing technique, safety, and anchor building will be included. Other Adventure 2 units include: backpacking, geocaching, wilderness rescue, First aid/ CPR/AED, stewardship and paddle sports. The class fee pays for program equipment, first aid supplies, camping fuel and an American Heart Association First AID CPR 2-year certification. There may be an optional indoor or outdoor rock climbing field trip (additional fees will apply for optional field trip).

Grade Level:	9-12	Semester	.5	Prerequisite:	Adventure Education 1	Fee	\$30
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Adventure Leadership Training (ALT)

This class is a blended learning class. “Blended learning is an education program that combines online digital media with traditional classroom methods”. The Blending Learning experience will include approximately 11 face-to-face classes that the students will be responsible for meeting, as a class, with the instructor. All other class times the students will be responsible for learning through technology using the school's you program in their my.cherrycreekschools.org account. It will not be required for them to be in the building to do this learning. Adventure Leadership Training Blended Learning (ALT) is designed for the individual student who has passed Adventure 1 class with an exemplary understanding of the Adventure 1 philosophy and content. The main focus of this class will be facilitation and Leadership skills in relation to the Adventure 1 curriculum. Students will be given several opportunities to practice their Adventure Leader skills by peer-leading and middle school leading. As students complete this training, they are then able to “Lead” an actual Adventure 1 class after they complete this training.

Grade Level:	10-12	Semester	.5	Prerequisite:	Adventure Ed 1 and teacher recommendation	Fee	
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Adventure Leader

Adventure Leader is a course and designation for students who have fulfilled all requirements of the Adventure Leadership Training curriculum (ALT class). These students have demonstrated the basic skills necessary for safe participation in adventure related activities as well as how to lead others in those activities. Adventure leader-teachers will be assigned to lead an Adventure Education 1 course. With the help from the Adventure teacher, student leaders will design lessons, demonstrate skills, help assess their peers and participate in remedial help for students who have not mastered the Adventure 1 skills.

Grade Level:	10-12	Semester	.5	Prerequisite:	Adventure Education 1, Adventure Leader Training (ALT), and teacher recommendation	Fee	
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Aquatic Recreation

Students must know how to swim to be successful in this class. This class begins with a review of fundamental swimming and diving techniques. Then the class will progress toward a wide variety of water activities including snorkeling, water polo, water basketball, water volleyball, aquatic fitness and paddlesports. Students will learn community water activities with an emphasis on fun, safety and lifelong water fitness. Students are required to provide their own approved appropriate swimwear.

Grade Level:	9-12	Semester	.5	Prerequisite:	Ability to pass a swimming proficiency test	Fee	
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Athletic Training - Blended Learning

This class is a Blended Learning class. "Blended learning is an education program that combines online digital media with traditional classroom methods". The Blended Learning experience will include approximately eleven face-to-face classes that the students will be responsible for meeting, as a class, with the instructor. All other class times the students will be responsible for learning through technology using the Schoology program in their my.cherrycreekschools.org account. It will not be required for them to be in the building to do this learning.

Grade Level:	10-12	Semester	.5	Prerequisite:	Biology	Fee	\$5 each- shirt and lock (optional)
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Fitness

Fitness is a class designed to teach students how to workout outside of a weight room and take charge of their own personal fitness outside of the classroom. fitness activities include cardio workouts, resistance band and dumbbell workouts as well as various forms of athletic training, HIIT, yoga, stretching, and meditation. Students will examine current research on fitness, exercise, heart rate, muscle anatomy, nutrition and sleep. Students are required to dress out daily.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$5 each- shirt and lock (optional)
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Health

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.

Grade Level:	10-12	Semester	.5	Prerequisite:	None
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Blended Learning- Health

This class is a blended learning class. “Blended learning is an education program that combines online digital media with traditional classroom methods”.The Blending Learning experience will include approximately 11 face-to-face classes that the students will be responsible for meeting, as a class, with the instructor. All other class times the students will be responsible for learning through technology using the school's you program in their my.cherrycreekschools.org account. It will not be required for them to be in the building to do this learning.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.

Grade Level:	10-12	Semester	.5	Prerequisite:	None
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Learn to Swim

This class is for first time swimmers who have anxiety or discomfort in water. A foundation of basic balance and movement skills will be developed through a series of fundamental water exercises. The goal is for the student swimmer to become comfortable and controlled in both shallow and deep water. The fundamental skills learned in this course will provide a foundation for learning stroke technique. such as freestyle and breaststroke. Students are required to provide their own approved appropriate swimwear.

Grade Level:	9-12	Semester	.5	Prerequisite:	None
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Lifeguard Training

This is a American Red Cross course. Enrollment for this class is granted after the student can pass the Red Cross Lifeguard swim test; 300 yd continuous swim, tread water(legs only) for 2 minutes, and complete a timed rescue of a 10 lb brick from 10 ft. depth. After successful completion of this class, students will receive a Red Cross certification and will be qualified to apply for community lifeguard jobs. Pool safety, rescue skills, first aid and CPR will be taught. The fee for this class covers the American Red Cross Lifeguard Today book. pocket mask, and 2-year certification. Students are required to provide their own swimwear and goggles for the course. The minimum Age for this class is 15. If the student turns 15 by the end of the semester, then they may take the course.

Grade Level:	10-12	Semester	.5	Prerequisite:	15 years old, ability to pass swim test, and teacher recommendation	Fee	\$85
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Physical Education

In this class students will be introduced to the skills, rules, strategies and concepts of team, individual, dual and recreational sports. This class will help prepare students for participation in lifelong recreation or team activities which can include but are not limited to: Tennis, Softball, Football, Soccer, Ultimate Frisbee, Volleyball, Basketball, Badminton, Floor Hockey and Pickleball. Students are required to dress out daily.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$5 each- shirt and lock (optional)
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Recreational Sports and Fitness

In this class students will be introduced to the skills, rules, strategies and concepts involved with Recreational Sports. Recreational sports are competitive games that are played for fun and can be enjoyed as lifelong activities. Basketball, football and soccer games you play with your friends or as a part of an intramural league are examples of Recreational Sports. Other games played include but are not limited to: Spike Ball, Horseshoes, Corn Hole, Ultimate Frisbee, pickleball, Tennis, Volleyball, and Frisbee golf. Students are required to dress out daily.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$5 each- shirt and lock (optional)
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Sports Medicine

Sports Medicine is designed to introduce students interested in healthcare professions (e.g., nursing, physical therapy, physician, athletic trainer, x-ray technician, personal trainer, EMT, etc.) to basic knowledge and skills common to these occupations. This course will investigate various injuries and illnesses common to the physically active population. Students will learn a great deal of anatomy and medical terminology. Laboratory activities will teach students how to provide first aid, perform CPR, use an AED, help a choking victim, take blood pressure, tape and wrap injuries, use crutches, apply a splint, and other skills.

Grade Level:	10-12	Semester	.5	Prerequisite:	Biology	Fee	\$5
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Swimming

This class is designed for the intermediate swimmer. Emphasis will be placed on stroke development, refinement and safety while swimming. As student skills progress, they will participate in water activities, basic diving and pursue individual fitness. Students are required to provide their own swimwear and goggles for this course.

Grade Level:	9-12	Semester	.5	Prerequisite:	Learn to Swim class or ability to pass a beginner swimming proficiency test.
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Advanced Swimming

This class is designed for the advanced swimmer. A prerequisite of Swimming is required. Emphasis will be placed on Advanced stroke development and speed and interval training with focus on competitive swimming instruction. Students are required to provide their own swim gear and goggles for this course.

Grade Level:	9-12	Semester	.5	Prerequisite:	Swimming or swim team experience
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Swimming Fitness

This course will focus on a variety of Water Fitness activities. Water aerobics, water yoga and pilates as well as body sculpting with water weights will be explored. Cardio Fitness as well as strength building in the water will be the focus. Students are required to provide their own swimwear for this course. No goggles are necessary since the students will not be putting their face and head underwater.

Grade Level:	9-12	Semester	.5	Prerequisite:	None
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Team Sports and Fitness

In this class students will be introduced to the skills, rules, strategies, and concepts of Teams Sports. Teams Sports are activities in which individuals are organized into opposing teams that compete to win, while working in a positive and cooperative environment. Examples of Teams Sports include but are not limited to: Team Handball, Basketball, Volleyball, Softball and Floor Hockey. Students are required to dress out daily.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$5 each- shirt and lock (optional)
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Weight Training 1 and Personal Fitness for Boys

This course is designed as an introduction to the weight room and basic lifting principles for boys only. Students will learn proper form and technique essential to safely navigating and using weight room equipment. Lifting philosophy and overall health concepts will be introduced. This class will also have a component of personal fitness and the student's fitness levels will be tracked throughout the semester.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$5
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Weight Training 1 and Personal Fitness for Girls

Girls Weights 1 is designed to introduce beginning and intermediate level weight training lifts and practices. It also incorporates cardiovascular training to develop all areas of the students fitness. Incorporated throughout the semester are lessons designed to teach exercise safety, proper training practices, muscle anatomy, nutrition guidance, as well as the complete goal setting process. Intended outcomes of this course are to provide a basic orientation of weight training equipment and exercises which allow students to become independent and responsible for their own fitness, and confident in their abilities to workout at community fitness clubs properly and intentionally.

Grade Level:	9-12	Semester	.5	Prerequisite:	None	Fee	\$5
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Weights 2 and Personal Fitness for Boys

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

Grade Level:	10-12	Semester	.5	Prerequisite:	Weight Training 1 and Personal Fitness for Boys	Fee	\$5
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Weights 2 and Personal Fitness for Girls

Girls Weights 2 is an advanced weight training class that requires weights 1 as a prerequisite. This course builds on the foundation that was laid in weights 1, and implements more challenging weight training workouts which progresses at a more advanced pace, as well as cardiovascular training daily. Students are given more autonomy with their workouts during the second half of the semester of the class as they continue to build on their weight training knowledge and skill set. This course is meant for students who enjoyed weight training 1 and are interested in furthering their own personal fitness.

Grade Level:	10-12	Semester	.5	Prerequisite:	Weight Training 1 and Personal Fitness for Girls	Fee	\$5
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Ultimate Fitness-Blended Learning

This class is a Blended Learning class. “Blended learning is an education program that combines online digital media with traditional classroom methods”. The Blended Learning experience will include approximately eleven face-to-face classes that the students will be responsible for meeting, as a class, with the instructor. All other class times the students will be responsible for learning through technology using the Schoology program in their my.cherrycreekschools.org account. It will not be required for them to be in the building to do this learning. This class introduces students to the fundamentals of fitness. Students will learn about the components of fitness and wellness and be given the skills to improve personal fitness through nutritional and fitness tracking. Activities in this class may include walking, running, Pilates, yoga, strength training with hand weights and resistance bands, kickboxing, aerobics, HIIT, core stabilization, and circuit training.

Grade Level:	9-12	Semester	.5	Prerequisite:	None
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Yoga

This course is designed to be an entry level yoga class that is inclusive of all levels. This course will emphasize Yoga poses and movements to increase strength, flexibility, and improve overall health. Journaling and stress-coping skills will be explored along with nutrition, healthy body image, physiology of movement and injury prevention. Yoga mats and blocks will be provided. Students are required to dress out daily.

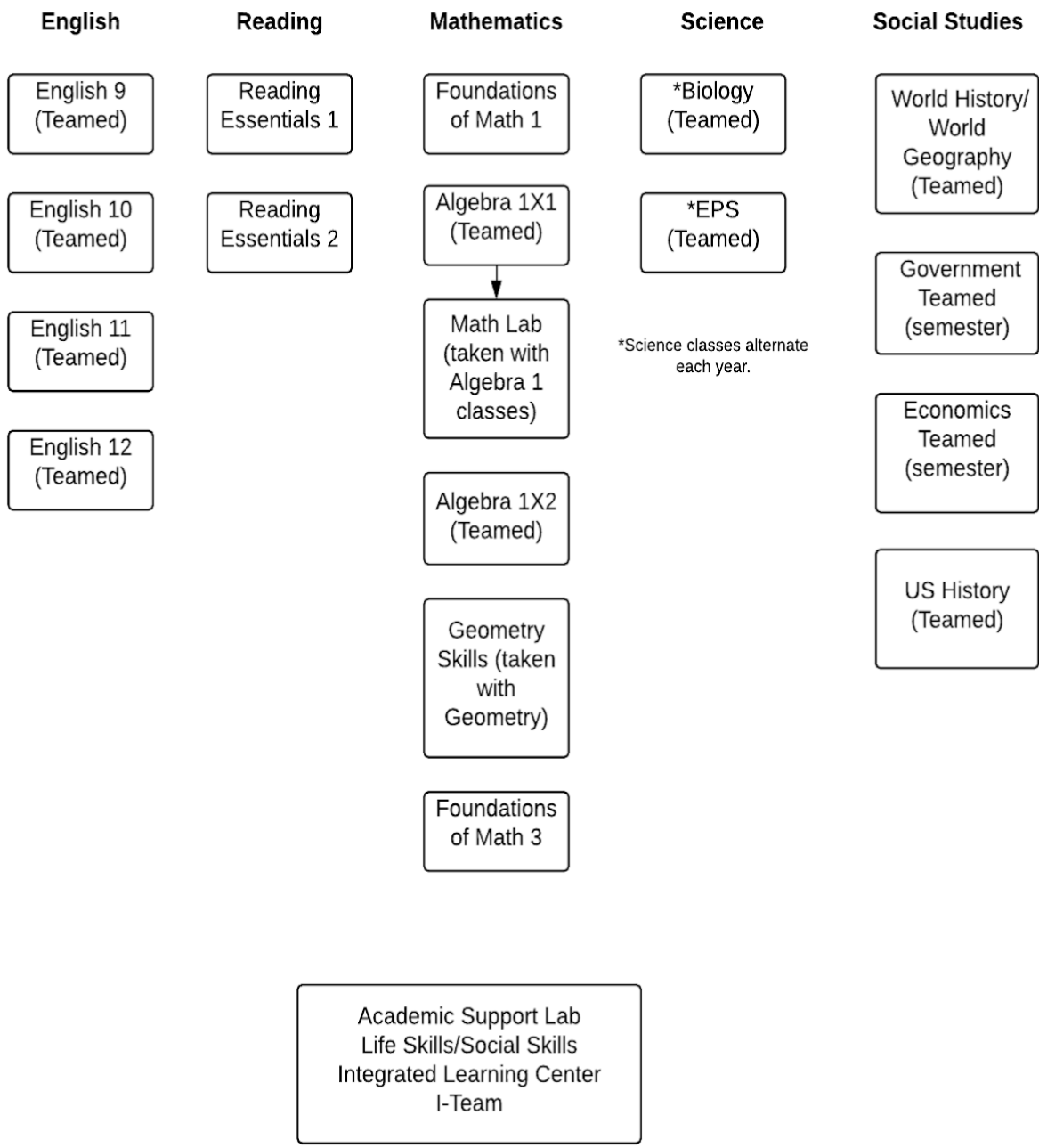
Grade Level:	9-12	Semester	.5	Prerequisite:	None
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Student Achievement

Student Achievement Services Flowchart

The Student Achievement Services Department, in response to a variety of educational and emotional needs, offers a broad range of courses and services. Always striving to facilitate student success in the "least restrictive environment," the Eaglecrest Student Achievement Services Department offers opportunities for students that range from teamed courses to consult support.

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



Course Descriptions

ILC (Integrated Learning Center) Program

This program is designed to support students that have significant needs. The ILC staff provides instruction in core academic areas, as well as, direct instruction in independent living skills. The ILC program provides students with an opportunity to access the general education setting through support in elective classes, as well as participation in Eaglecrest unified sports teams.

Grade Level:	9-12	Year	Credit Varies	Prerequisite:	None
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Foundations of Math 1

This course is for students that need to build their basic math skills. In this course students will be working on the foundational skills of addition, subtraction, multiplication, division, fractions, decimals and ratios. The class is designed to build the number sense skills necessary to be successful in Algebra I. This class is for students that have IEPs.

Grade Level:	9-12	Year	1.0 Math	Prerequisite:	Placement recommendation from IEP Team
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Foundations of Math 3

This is a course designed for students that are pursuing a vocational or work force track after high school. Students in Foundations of Math 3 will be working on the financial literacy skills they will need as an adult in their personal and professional lives.

Grade Level:	9-12	Year	1.0 Math	Prerequisite:	Placement recommendation from IEP Team
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Math Lab

This class is an intervention class designed to provide math instruction at students' instructional level. This class reteaches prior math standards taught in middle school and elementary school in an effort to alleviate student deficiencies. This class utilizes the Math Navigator Intervention System. This is a small class setting with a reduced student-teacher ratio.

Grade Level:	9-12	Year	.5 Elective	Prerequisite:	Placement recommendation by school staff
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Algebra 1X1

This class is designed to be followed by Algebra 1X2. The design of these two classes is to have students navigate Algebra 1 curriculum through a modified pace. This Algebra class begins by reviewing 8th grade Algebra standards and then moving into 9th grade Algebra standards. During Algebra 1X1 students will cover the Algebra I content that is usually covered in the first semester of a traditional Algebra I class. This is a co-taught class designed for students that have IEPs. The co-taught settings allows for a lower student-teacher ratio so that students are supported with their learning needs.

Grade Level:	9-10	Year	1.0 Math	Prerequisite:	Placement recommendation from IEP Team
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Algebra 1X2

The prerequisite for this class is Algebra 1X1. The design of these two classes is to have students navigate Algebra 1 curriculum through a modified pace. During Algebra 1X2 students will cover the Algebra I content that is usually covered in the 2nd semester of a traditional Algebra I class. This is a co-taught class designed for

students that have IEPs. The co-taught settings allows for a lower student-teacher ratio so that students are supported with their learning needs.

Grade Level:	10-11	Year	1.0 Math	Prerequisite:	Placement recommendation from IEP Team
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Geometry Foundations

This is a support class for students who are moving onto Geometry having successfully completed Algebra 1X1 and Algebra 1X2. Students enroll based on teacher recommendation. This is a class designed for students on IEPs.

Grade Level:	10-12	Year	1.0 Math	Prerequisite:	Placement recommendation from IEP Team
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Biology

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, biochemistry, cellular structure and function, genetics, evolution, and human systems. Laboratory activities reinforce concepts and principles presented.

Grade Level:	9	Year	1.0	Prerequisite:	Placement recommendation from IEP Team
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Reading Essentials 1

In this course students are working on the foundational reading skills of phonemic awareness, decoding, and fluency, and subsequently building vocabulary and comprehension. This class utilizes researched based practices designed to improve literacy skills through reading and writing of text.

Grade Level:	9	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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Reading Essentials 2

In this course students are working on the foundational reading skills of phonemic awareness, decoding, and fluency, and subsequently building vocabulary and comprehension. This class utilizes researched based practices designed to improve literacy skills through reading and writing of text. Students take Reading Essentials 2 as a continuation of the curriculum started in Reading Essentials 1.

Grade Level:	10-12	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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English 9



Students enrolled in English 9 will study the standards outlined in CP English 9 while receiving support to accelerate their skills in reading and writing. The yearlong course is designed to improve reading comprehension and writing skills in a co-taught setting designed to lower the student-teacher ratio. Students will study a variety of genres while developing skills in vocabulary, writing, reading, grammar, and mechanics. Approval from current teacher or the SAS department.

Grade Level:	9	Year	1.0 English	Prerequisite:	Placement recommendation from IEP Team
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English 10



This course will cover the standards addressed in CP English 10 while students receive support to accelerate their skills in reading and writing. Students will study a variety of genres while developing skills in rhetoric,

argument, vocabulary, grammar and mechanics. Students will improve their writing skills by writing and revising a variety of genres including rhetorical analysis, literary analysis, argumentative, and synthesis writing. This class is a co-taught class which is designed to lower the student-teacher ratio and provide more support to the acquisition of these skills. Approval from the current English teacher or the SAS department is required.

Grade Level:	10	Year	1.0 English	Prerequisite:	Placement recommendation from IEP Team
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English 11

This course will cover the standards addressed in CP English 11 while students receive support to accelerate their skills in reading and writing. English 11 examines the western and non-western traditions depicted through literature, history, and the arts. Students continue to develop skills in reading comprehension, essay writing, grammar, mechanics, and vocabulary while studying major authors and literary periods. This class is a co-taught class which is designed to lower the student-teacher ratio and provide more support to the acquisition of these skills. Approval from the current English teacher or the SAS department is required.

Grade Level:	11	Year	1.0 English	Prerequisite:	Placement recommendation from IEP Team
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English 12

This course will cover the standards addressed in CP English 12 while students receive support to accelerate their skills in reading and writing. Students will study a variety of genres while developing skills in rhetoric, argument, vocabulary, grammar and mechanics. Students will improve their writing skills by writing and revising a variety of genres including rhetorical analysis, literary analysis, argumentative, and synthesis writing. This class is a co-taught class which is designed to lower the student-teacher ratio and provide more support to the acquisition of these skills. Approval from the current English teacher or the SAS department is required.

Grade Level:	12	Year	1.0 English	Prerequisite:	Placement recommendation from IEP Team
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Academic Support Lab A

The intent of this course is to instruct students on how to be successful in high school and beyond. Study skills are composed of specific lessons designed to support student's knowledge around executive functioning skills as well as work completion. This class will have lectures on specific study skill/AVID topics (main focus on reading, reading comprehension, and writing). This class will also have time built in for students to touch base with their general education teachers and access other resources throughout EHS. In this class, you will learn how to be better organized, develop self-determination skills, and learn how to become a better self-advocate. This class will be an added support to your academic career at Eaglecrest High School. This class will be a mixture of lectures on selected topics as well as designated time allocated to learn how to study.

Grade Level:	9-10	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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Academic Support Lab B

This course is for students in 11th and 12th grade with an Individualized Education Plan who requires assistance in post-secondary planning. Topics of study will include, but are not limited to, targeted interventions, exploring career/vocational opportunities, SAT/ACT prep, work-based instructor support, creating resumes, completing college applications, developing interview skills, and developing an understanding of jobs sites which expose them to numerous viable career paths. Guest speakers representing various careers/occupations will present information to students. This course can be repeated for credit.

Grade Level:	11-12	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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Life Skills

This course is designed to provide 9th and 10th grade students who have high-functioning Autism Spectrum Disorder with academic support, social, adaptive, and self-determination skills. Students receive guidance on assignment completion, academic progress, school resources, and self-advocacy skills. In this small group setting students have a mixture of supported academic study time, social development, and direct instruction.

Grade Level:	9-10	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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Life Skills/Social Skills

Life Skills is designed to provide 11th and 12th grade students who have high-functioning Autism Spectrum Disorder with academic support, social, adaptive, and self-determination skills. Students receive guidance on assignment completion, academic progress, accessing school resources, and self-advocacy skills. In this small group setting students have a mixture of supported academic study time, social development time and direct instruction.

Grade Level:	11-102	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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Affective Education

Affective Education is designed to support and develop student's social emotional functioning. This class will provide students with academic support, social groups, development of self-advocacy skills, and emotional support. This class will also access the community to transfer the skills learned in the classroom setting to the community setting. This class is for students that have IEPs and will take place in a small group setting.

Grade Level:	9-12	Year	1.0 Elective	Prerequisite:	Placement recommendation from IEP Team
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I-Team

The Ranch is an off-campus alternative setting for students that are not having success in a traditional high school setting or would like to improve work force ready or vocational skills. The Ranch is for students that have an IEP. This small school setting provides lower student-teacher ratios to support students in their emotional or academic functioning.

Grade Level:	11-12	Year	Credit Varies	Prerequisite:	Placement recommendation from IEP Team
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Special Course Descriptions

Advisory

Advisory is an opportunity to create space and time within the school environment to allow students and staff to build caring, stable, trusting relationships that support the social emotional and academic growth of students.

Grade Level:	9-12	Year	.25	Prerequisite:	None
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The AVID (Advancement Via Individual Determination) course is an elective class for students who are college-bound. The AVID curriculum focuses on writing, inquiry, collaboration, organization, and reading through the AVID High School curriculum with support from both teachers and college-age tutors. While concurrently enrolled in Honors and AP courses, students engage in college research, public speaking, note-taking, study skills, and self-advocacy. AVID supports students as they select and apply for colleges and scholarships. Students in AVID have the opportunity to visit a variety of universities in Colorado, and explore various careers through research and interaction with professionals in their field(s) of interest. In addition, the course includes motivational activities to foster collaboration and leadership. AVID is a yearlong course, and requires an interview and application process.

Grade Level:	9-12	Year	1.0 Elective	Prerequisite:	Teacher approval/application interview
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History of Rock and Roll

The History of Rock and Roll is the history of the twentieth century. It's about the sounds, the people, the places, and the events that have rocked our world. From the minstrels and vaudeville of the early 1900s to grunge and gangsta rap of the 1990s, music has been an outlet for many Americans and has shaped our identity. Early Rock and Roll caused a backlash in some communities because of its suggestive lyrics and rebellious messages, but it also broke down racial barriers and influenced popular culture. Learn how African slavery still influences our music today, how the Delta Blues came out of the Great Depression, how World War II defined a new generation of music called Rock and the rise of its superstars, Elvis and the Beatles, as well as Rock's influence on the music you love. Students will also learn how to appreciate different genres of music, those that influenced Rock as well as those that were the results of it.

Grade Level:	9-12	Semester	.5 Elective	Prerequisite:	None	Fee	
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Student Assistant

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

Grade Level:	9-12	Semester	.25 Elective	Prerequisite:	None
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Leadership Academy

The focus of the Leadership Academy is to develop freshmen students in the areas of responsible citizenship, communication, goal setting, group processes, as well as business, organizational and managerial skills. This class will also build on skills that are provided to every transitioning 8th grade student, through our Raptor 101 curriculum. Students in this Academy will be required to take an active role both in high school and the greater Eaglecrest community. This is a 1.0 credit class.

Grade Level:	9	Year	1.0 Elective	Prerequisite:	Application and teacher recommendation
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Leadership Exploration and Development (Positive IMPACT)



Students will be challenged to help continue to develop the culture at EHS while building their individual leadership skills through leadership learning modules that cover the following standards: Citizenship, Character Development, Communication, Group Process, Decision-making, Goal Setting, Conflict Resolution, and Diversity/Inclusion.

Grade Level:	10-12	Year	1.0 Elective	Prerequisite:	Application and teacher recommendation
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Library Student Assistant

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

Grade Level:	9-12	Semester	.25 Elective	Prerequisite:	Approval of the Library Coordinator
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Raptor 101

Raptor 101, a required course for all freshmen, provides students with academic, social, and emotional skills to be successful at Eaglecrest. Along with the classroom teacher, junior and senior Link Leaders introduce freshmen to important resources at Eaglecrest and help students develop valuable skills such as time management, study habits, and conflict resolution.

Grade Level:	9	Quarter	.25 Elective	Prerequisite:	None
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Raptor Academy

Raptor Academy provides freshmen students with academic, social, and emotional skills and supports to be successful at Eaglecrest. The class utilizes peer tutors to provide personalized tutoring in Algebra 1 and English to ensure a better understanding of these courses. Raptor Academy students also receive additional study sessions led by World History and Biology teachers. In addition to all four core subjects being directly supported, upperclassmen peer leaders in the Raptor Academy room will provide assistance with homework, organization, and study habits.

Grade Level:	9	Year	1.0 Elective	Prerequisite:	Teacher recommendation
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Student Council

Through a series of lectures, guided interaction, and group exercises, students will explore the principles of leadership and learn to develop individual and group leadership skills to impact their lives and their community. Content areas include decision-making, goal setting, effective communication, organization and time management skills, and concrete strategies to implement change. Student Leadership also organizes Homecoming Week, Winter Wish Week, Prom, Eaglecrest's Next Top Raptor and Talent Show. This is a yearlong course and students must interview.

Grade Level:	10-12	Year	1.0 Elective	Prerequisite:	Application and teacher approval
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Advisory 12

Senior Advisory is a course specifically designed for seniors with a focus on preparing for high school graduation and post-graduate plans. There will be an emphasis on goal setting, problem solving, time management, test-taking skills and study skills as they pertain to the student's current academic course load. In preparing for a successful transition to a student's college and career endeavors, students will have opportunities to explore topics related to life beyond high school including job and college application and interview processes, financial and consumer responsibilities, and healthy lifestyles.

Grade Level:	12	Year	.5 Elective	Prerequisite:	
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Student English Tutor

English tutors have the opportunity to help students on a one-on-one or small-group basis within the English Tutoring Center. A tutor's responsibilities include helping students learn - reviewing content, explaining how to develop reading and writing skills, and checking completed writing and assignments. An English tutor may also help students develop study skills and organization techniques to help improve their academic performance. Tutors must often keep records on student progress and share those records with directors and teachers. In addition to the academic component, tutors assist in the guidance and supervision of groups of students and serve as a role model.

Grade Level:	10-12	Year	.5 Elective	Prerequisite:	CP English 9
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Student Math Tutor

Math tutors have the opportunity to help students on a one-on-one or small-group basis within the Math Tutoring Center. A tutor's responsibilities include helping students learn - reviewing content, explaining how to problem solve, and checking completed work. A math tutor may also help students develop study skills and organization techniques to help improve their academic performance. Tutors must often keep records on student progress and share those records with directors and teachers. In addition to the academic component, tutors assist in the guidance and supervision of groups of students and serve as a role model.

Grade Level:	10-12	Year	.5 Elective	Prerequisite:	Algebra 1
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Students Supporting Students

Students will assist their peers in Adaptive Physical Education (A class designed for students who have a physical or cognitive disabilities). Students will spend a portion of the class learning about Individualized Education Plans (IEPs) as well as a variety of disabilities and how to interact with the specific students in their class. The remainder of the class is spent with a designated partner who students help to engage and participate in a variety of games and activities. This class is a wonderful opportunity for any who enjoy Peer Buddies, Unified Sports or are interested in becoming a teacher.

Grade Level:	9-12	Year	1.0 Elective	Prerequisite:	Application and teacher approval
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CHERRY CREEK ELEVATION

Cherry Creek Elevation (Online high school)

Cherry Creek Elevation is Cherry Creek School District's online and blended learning school, serving students in grades 6-12. Cherry Creek Elevation offers many courses in various subject areas that students can take at no cost while remaining enrolled at Eaglecrest High School. For a full list of courses and information on how to apply, please visit the Course Registration Guide and Apply for Enrollment at <https://www.cherrycreekschools.org/elevation>.

Is Online Learning Right for Me?

The online student must take responsibility for his or her own learning. In any online education program, the student must be a self-directed learner, have the internal motivation to manage his or her own learning during the course of study, and have a basic grasp of computer and internet navigation skills.



CareerWise Colorado

Tomorrow's Talent Today

What is CareerWise?

CareerWise is a statewide modern youth-apprenticeship system. Colorado's economy is growing, and students in Colorado are graduating with a skill gap that is negatively affecting businesses and career prospects for students and businesses. Using the Swiss apprenticeship system as a model for inspiration and partnership with Colorado state agencies CareerWise is uniting businesses and educators to provide a business-led, student-centered program that addresses real-world needs.

How does the program work?

Students are released from school for 16+ hours per week to earn and learn in their host company; some time is spent in high-quality training as well (usually for college credit). Whether at school or in the workplace, students are fulfilling graduation requirements, building their resume, and a college portfolio. Students will often have the opportunity to participate in sports and other extracurricular activities just the same as a non-apprentice. In most situations, the student will graduate high school but continue their apprenticeship. They will be supported with strong advising and encouraged to continue their education in parallel with their apprenticeship. They will continue to earn college credit for their apprenticeship. In addition, companies may support tuition reimbursement for college coursework—either in the last year or upon completion of the apprenticeship.

What are the minimum requirements?

A potential apprentice must be on track to graduate high school and must work with their counselor to ensure their school schedule can support a work schedule. An apprentice must be able to commit to working for 3 years and be 16 years old when they begin working. Job openings are currently available in Advanced Manufacturing, Technology, Business Operations, Healthcare and Finance/Insurance.

How does a student apply?

First, a student should check with their counselor to make sure their school schedule can support an apprenticeship work schedule. A student can apply from December 1 to March 1 on the Marketplace and interview soon after. The Marketplace will house all of the job openings for the year. CareerWise will ensure all documentation is prepared for the employer, but the student will be hired directly by the business.

