THOMAS B. DOHERTY HIGH SCHOOL  
(719)328-6400

MISSION STATEMENT

To equip every Doherty High School student with the skills, knowledge and habits of work to be college and work force ready and to be contributing members of a rapidly changing society.

ADMINISTRATIVE STAFF

Lana Flenniken  Principal  328-6402
Elaine Charney  Assistant Principal  328-6404
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Lauren Murphy  Assistant Principal  328-6403
Stephanie Leasure  Athletic Dir./Business Manager  328-6443

STUDENT PERSONNEL STAFF

Assignments for the 2022-2023 School Year

Sandra Gilbert  Counselor  Grades 9 – 11  A - B  328-6418
  Grade 12  A - E
Tim Garland  Counselor  Grades 9 – 11  C - D  328-6492
  Grade 9  N – Ri
  Grade 10  Q - Ri
Scott Crosby  Counselor  Grades 9 – 11  E - G  328-6420
  Grade 12  M - O
Vicki Glaser  Counselor  Grades 9 – 11  H - K  328-6407
  Grade 12  F - L
Stacy Strobel  Counselor  Grades 9 – 11  L - M  328-6409
  Grade 10  N – P
  Grade 11  N - Ri
Kathy Hernandez  Counselor  Grades 9 – 11  Rj - S  328-6409
  Grade 12  S - Z
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Jody Crawford  Registrar  328-6406
Wanda Fuentes  Secretary  328-6412
Maribeth Weems  Data Processor  328-6473

Colorado Springs School District 11 will not discriminate against any applicant, employee, or student because of race, color, creed, sex, age, national origin, religious affiliation, or handicap. District 11 is an equal opportunity/affirmative action employer and adheres to the principle of Fair Employment Practices and educational opportunities embodied in Colorado and federal legislation.
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REGISTRATION FOR CLASSES 2022-2023

This booklet is provided to help you select your courses for the 2022-2023 school year and to give you information about the registration process. The final decision concerning which classes students should take is the responsibility of the students and their parents.

CANCELLATION OF CLASSES
Scheduling conflicts may preclude a student from taking some courses of his/her choice. Courses may be cancelled if enrollment or staffing changes do not permit the offering. Other courses may be combined or regrouped depending on the class enrollment.

SCHEDULE CHANGE POLICY

STUDENT INITIATED CHANGES WILL NOT BE MADE FOR TEACHER PREFERENCE, PERIOD PREFERENCE, LUNCH PREFERENCE, OR CONVENIENCE. SENIORS: CHECK YOUR GRADUATION REQUIREMENTS CAREFULLY BEFORE YOU REQUEST A CHANGE, AS THIS IS YOUR RESPONSIBILITY.

ADDING A CLASS: Classes may be added during the first week of the semester if space is available and with teacher approval. It is the student’s responsibility to make up all missed work when entering. A new student enrolling at Doherty does not need approval but must make up all missed work unless he/she has a transfer grade from the previous school.

Classes may be dropped ONLY DURING THE FIRST TEN DAYS of the semester without penalty. After the ten-day period, a student requesting to drop a class must complete a drop form and may receive an “F” grade for the semester. This means the “F” grade will be recorded on the student’s official transcript and will be included in the grade point average (GPA). Students dropped from a class for disciplinary reasons will also receive an “F” grade on their official transcripts.

Students must maintain the 5.0 credit minimum (5 classes) each semester, which is required of all students.

Academic initiated changes after the ten-day period will be handled on an individual basis with the involvement of the student, counselor, teacher, and parent, and if necessary, the principal.
HOMEWORK POLICY

The Doherty staff recognizes the importance of encouraging homework as a part of the learning activities initiated in the classroom. Work outside the classroom provides students with the opportunity to develop better school achievement to develop responsibility, and to experience a wider range of learning opportunities.

The purpose of homework is to:
1. Supplement classwork
2. Provide practice and skills
3. Reinforce class concepts
4. Provide opportunity for make-up work on their own
5. Allow students to work on their own
6. Prepare for future classwork

Students enrolled in the following level of classes could expect the homework per class as designed below:
- Honors - one hour per night
- Regular education classes – 4-60 minutes per night (15-30 minutes per subject. If no homework is assigned a review is recommended.)

In addition, we recognize that students must be assisted in managing their time and developing effective study skills. To help this process:
1. Teachers will explain and clarify the homework assignment.
2. Student will budget their time to derive the maximum benefit from their homework assignments.
3. The students will be responsible for creating suitable study situations for themselves.
4. Parents will provide suitable study conditions including a specific time and place for homework which are free of interruptions.

GRADING/GRADE POINT AVERAGE

General criteria for earning a given grade should be established and explained to students during the first week of class by each individual teacher.

Marks are defined as follows:
A = Superior = 4 grade points
   (Thorough mastery of the subject matter.)
B = Above average = 3 grade points
C = Average = 2 grade points
D = Below average = 1 grade point
   (Not acceptable for college recommendation.)
F = Failure, no credit
G = Credit without a grade
   (This mark is used only in specified classes.)
H = Withdrawn before credit earned
I = Incomplete

Points for AP classes are defined as follows:
A = 5 points
B = 4 points
C = 3 points
D = 2 points

Points for Honors classes are defined as follows:
A = 4.5 points
B = 3.5 points
C = 2.5 points
D = 1.5 points
RECOMMENDATIONS FOR STUDENTS CONSIDERING
HONOR’S LEVEL & ADVANCED PLACEMENT CLASSES

PHILOSOPHY: Honors and AP courses at Doherty are designed to challenge highly motivated students choosing to learn a subject matter beyond the level taught in college preparatory courses.

Students who take honor’s level and AP classes should fit the following profile in order to assure success in these classes:

PERFORMANCE
The student:
• consistently strives to meet high academic standards
• demonstrates ability in abstract reasoning
• possesses broad general knowledge
• respects deadlines
• puts forth "best effort", not just "good enough" effort
• demonstrates probing curiosity
• acts with maturity in the classroom
• participates actively in class discussion
• demonstrates pride in work submitted
• prepared to use textbooks generally above the grade level
• may be expected to participate in extracurricular academic activities

ATTITUDE
The student:
• assumes responsibility for own learning
• possesses a strong work ethic
• expects at least one hour of nightly homework in the honor's class
• comes to class prepared to work
• seeks opportunities for enrichment
• welcomes creative and challenging assignments
• and, where applicable, suggests own assignments

BEHAVIOR
The student:
• uses class time wisely
• respects classmates and teacher
• demonstrates personal integrity

ATTENDANCE
The student:
• seldom misses class
• arrives punctually
• completes make-up work immediately

Students should not sign up for honor’s or advanced placement classes with the idea of dropping the class if they cannot earn the grade they want or find the class too difficult. Signing up for these classes is a yearlong commitment by both the student and parents. Students may be asked to sign a contract with an AP or honors teacher. (A copy of this letter is available in the counseling center.) Some honors Level and AP classes have summer reading requirements.

Please see specific course descriptions for prerequisites. All prerequisite grades must be “C” or better.
### HONORS and ADVANCED PLACEMENT COURSES

#### ART
- Advanced Placement Studio Art

#### ENGLISH
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<th>Pre-AP English 1,2</th>
<th>Advanced Placement English Language and Composition</th>
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<td>Pre-AP English 3,4</td>
<td>Advanced Placement Literature and Composition</td>
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<td>English 3, 4 Honors</td>
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<td>English 5, 6 Honors</td>
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<tr>
<td>English 7, 8 Honors (Concurrent Enrollment with CSU-Pueblo)</td>
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#### FAMILY & CONSUMER SCIENCE
- Teacher Cadet, Honors

#### MATH
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<th>Advanced Placement Calculus 1,2 AB (Concurrent Enrollment with UCCS)</th>
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<td>Algebra 1, 2 Honors</td>
<td>Advanced Placement Calculus BC/Calculus III (Concurrent Enrollment with UCCS)</td>
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<td>Pre-AP Geometry 1,2</td>
<td>Advanced Placement Statistics (Concurrent Enrollment with UCCS)</td>
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<tr>
<td>Geometry 1, 2 Honors</td>
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<td>Algebra 3, 4 Honors</td>
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<tr>
<td>Pre-Calculus Honors (Concurrent Enrollment with UCCS)</td>
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#### SCIENCE
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<th>Pre-AP Biology 1,2</th>
<th>Advanced Placement Biology</th>
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<td>Biology 1, 2 Honors</td>
<td>Advanced Placement Chemistry (Concurrent Enrollment with UCCS)</td>
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<tr>
<td>Pre-AP Chemistry 1,2</td>
<td>Advanced Placement Environmental Science</td>
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<td>Chemistry 1, 2 Honors</td>
<td>Advanced Placement Physics</td>
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<td>Physics 1, 2 Honors</td>
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#### SOCIAL STUDIES
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<th>Advanced Placement U.S. History</th>
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<td>Advanced Placement U.S. Government</td>
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<td>United States History 3, 4 Honors</td>
<td>Advanced Placement Human Geography</td>
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<td>Advanced Placement European History</td>
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<td>Advanced Placement Psychology</td>
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<th>Advanced Placement French</th>
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<td>Advanced Placement German (Concurrent Enrollment with UCCS)</td>
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<td>German 7, 8 Honors</td>
<td>Advanced Placement Latin</td>
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<td>Advanced Placement Spanish</td>
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<td>Spanish 5, 6 Honors</td>
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<tr>
<td>Spanish 7, 8 Honors</td>
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#### MISCELLANEOUS
- Advanced Placement Seminar
- Advanced Placement Research
A GENERAL GUIDE TO COLLEGE ADMISSION REQUIREMENTS

College and university admission requirements vary, depending on the degree of selectivity and the identified mission of the institution. Students in 9th grade are advised to familiarize themselves with the different levels of selectivity in college admissions so that their 9-12 coursework enables them to be admissible to the institution of their choice. Admission requirements are subject to change and students should investigate specific college requirements no later than their junior year. The following admissions standards are in place for all public Colorado colleges:

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<th>Highly Selective Colleges</th>
<th>Selective</th>
<th>Less Selective</th>
<th>Open Enrollment</th>
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<tr>
<td>4 years English</td>
<td>Top 5% of Class</td>
<td>Top 20% of Class</td>
<td>CUM GPA 3.0+</td>
<td>CUM GPA 2.5+</td>
<td>Required for placement:</td>
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<tr>
<td>4 years Math</td>
<td>CUM GPA 4.0 (Unweighted)</td>
<td>CUM GPA 3.7+ (Unweighted)</td>
<td>ACT Composite 20-25</td>
<td>ACT Composite 18-21</td>
<td>ACT, SAT, Accuplace Scores</td>
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<tr>
<td>4 years Science*</td>
<td>ACT Composite 30-36</td>
<td>ACT Composite 23-30</td>
<td>SAT (Critical Reading + Math) 1000-1200</td>
<td>SAT (Critical Reading + Math) 850-1000</td>
<td>Community Colleges</td>
</tr>
<tr>
<td>3-4 years Social Studies*</td>
<td>SAT (Critical Reading + Math) 1500-1600</td>
<td>SAT (Critical Reading + Math) 100-1400</td>
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<td></td>
<td>(PPCC)</td>
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<tr>
<td>3-4 years Foreign Language*</td>
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<td>*2 years of Advanced Placement in all core areas is strongly suggested</td>
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MOST SELECTIVE COLLEGES

- Stanford University
- Harvard University
- M. I. T.
- Duke

HIGHLY SELECTIVE COLLEGES

- Mines
- BYU
- CU-Boulder
- CSU
- University of Denver

SELECTIVE

- UCCS
- UNC
- Kansas State

LESS SELECTIVE

- Adams State
- Metro State
- Colorado Mesa State
- Western State
- CSU-Pueblo

OPEN ENROLLMENT

- High School Diploma or GED
- Required for placement:
  - ACT, SAT, Accuplace Scores
  - Community Colleges (PPCC)
Colorado Springs School District 11 staff support the district’s mission to have “every child prepared for a world yet to be imagined.” This mission becomes a reality when a student has both the knowledge and skills to successfully transition from high school to a postsecondary education or career opportunity. When a student is prepared to make that transition, the student is viewed as being Postsecondary and Workforce Ready (PWR).

The PWR process for students includes engaging in curriculum, having experiential learning opportunities, frequent discussions, and classes and activities that help a student explore, plan, and prepare for their future.

A student is able to access programs and coursework that enhance their career knowledge. Programs such as Career Technical Education (CTE), concurrent enrollment courses, a wide-range of electives, and the completion of an Individual Career Academic Plan (ICAP) are some of the foundational experiences each student will experience. Such experiences allow a student to learn about career pathways and take the steps necessary to access postsecondary education and career opportunities.

ICAP

**What is an ICAP?**
ICAP stands for Individual Career and Academic Plan. ICAP is a process in which students have experiences, participate in specific tasks, and provides a framework for students to see the connections between their course-work and future career and educational goals. ICAP is a continual process while in secondary school for students to learn about themselves, set goals, and learn the academic, social and emotional, and career preparation skills for a student to identify and connect their personal strengths.

**Benefits of an ICAP**
The ICAP is a way to bring self-identified purpose and impactful outcomes to a student’s education. Through the development of a student’s ICAP, they complete a four-year academic plan to guide their preparation for future goals.

**How can you support ICAP’s**
The ICAP will is most meaningful when parent/guardian involvement is part of the process. Ask your child about their ICAP, and about a tool they use in this process called, *Naviance*. If you need additional information reach out to your student’s school counselor.

**Career & Technical Education (CTE)**
Career and Technical Education courses are available at all high schools in District 11. CTE Courses help students explore their career interests and potential. CTE is about career-focused education that provides students with:

- Academic subject matter taught with relevance to the real world, often called contextual learning;
- Employability skills, from job-related skills to workplace ethics;
- Work-based learning that help students explore interest and careers in the process of progressing through school;
- Career Pathways programs are offered in: Agriculture; Automotive Maintenance; Architecture; Biomedical Science; Broadcast Media; Business and Marketing; Catering; Computer Science; Computer Aided Drawing; Cosmetology; Culinary Arts and ProStart; Cyber Security; Early Childhood and Secondary Teacher Education; Engineering; Family & Consumer Science; Game Design; Hospitality & Tourism; Journalism and Manufacturing; Web Design; Interior Design

These robust CTE often include multiple years of specific career oriented courses or a single year of a fast-paced capstone course.

A unique opportunity to CTE is available through Career Pathways offered at the Early College High School located on the Roy J. Wasson Academic Campus (RJWAC).

Many CTE programs offer college credit from state postsecondary institutions such as: Pikes Peak Community College, Metro State University, University of Colorado Colorado Springs, and Colorado State University at Pueblo.
POST-SECONDARY OPTIONS

Public and Private Colleges

Public colleges are funded by local and state governments and usually offer lower tuition rates than private colleges, especially for students who are residents of the state where a college is located.

Private colleges rely mainly on tuition, fees and private sources of funding. Private donations can sometimes provide generous financial aid packages for students.

Four-year and Two-Year Colleges

Four-year colleges offer four-year programs that lead to a bachelor’s degree. These include universities and liberal arts colleges.

Two-year colleges offer programs that last up to two years that lead to a certificate or an associate degree. These include community colleges, vocational-technical colleges and career colleges.

Vocational-Technical and Career Colleges

Vocational-technical and career colleges offer specialized training in a particular industry or career. Possible programs of study include the culinary arts, firefighting, dental hygiene and medical-records technology. These colleges usually offer certificates or associate degrees.

Apprenticeship Programs

Apprenticeship is a combination of on-the-job training (OJT) and related classroom instruction under the supervision of a journey-level craft person or trade professional in which workers learn the practical and theoretical aspects of a highly skilled occupation.

After completing an apprenticeship program, the worker’s journey-level status provides an additional benefit of nationwide mobility at journey level scale.

Military

Military enlistment is an option for students 18 years of age that have earned a high school diploma. A qualifying ASVAB score is required for all branches of the armed services, as well as, a physical fitness test. Students have the opportunity to receive training in careers that meet their skills and interest.

Types of Financial Aid

The U.S. Department of Education awards about $150 billion every year to help millions of students pay for college.

Grants are typically awarded on the basis of need and generally do not have to be repaid.

Federal Pell Grants are usually awarded to undergraduate students who have not yet earned a bachelor’s degree. The maximum Federal Pell Grant award for the 2017-2018 year is $5,920. Students can receive the Federal Pell Grant for up to the equivalent of 12 semesters.

Federal Supplemental Educational Opportunity Grants (FSEOG) are awarded to undergraduate students with exceptional financial need. A college’s financial aid department determines amounts.

Loans consist of money that the student borrows to help pay for college and must be repaid (plus interest). There are two federal student loan programs:

The Federal Perkins Loan Program is a campus-based program that provides low-interest loans to undergraduate and graduate students.

The William D. Ford Federal Direct Loan Program enables students and parents to borrow money at low interest rates directly from the federal government. The Direct Loan Program includes Direct Stafford Loans, and Direct Stafford Loans, and Direct PLUS loans, which are available to parents of dependent students. A Direct Stafford Loan might be subsidized or unsubsidized. Direct PLUS Loans are always unsubsidized. Subsidized loans have interest that is paid while the borrower is in college and during deferment. Unsubsidized loans the borrower must pay all accrued interest on unsubsidized loans.

The Federal Work-Study Program enables students to earn money during the school year while also gaining valuable work experience, typically in part-time, career-related jobs.
Colorado Springs School District 11 students may also obtain college credits through the following programs:

**Advanced Placement Courses**

Advanced Placement Courses are designed for students that are ready for college level academic work. This program is operated by a national organization, the College Board, which defines course curriculum, provides teacher training, and administers a national standardized examination for each course. Most colleges award college credit to students who earn at least a rating of “3” out of a possible “5” on the examination while others require a score of “4” or higher. Some colleges require successful completion of Advanced Placement courses for admission to the college and do not award credits toward the college degree. Parents and students are advised to check with colleges for details. For more information, please consult with your high school counselor.

**Articulation Credit**

Articulation credit is a way for high school students to earn college credit as they build career and technical education skills. A high school student can receive PPCC credit if they earn an A or B in their CTE articulated course(s). Articulated credit and coursework will be recorded on an official Pikes Peak Community College transcript. These credits vary from high school to high school. Please contact your school counselor for information regarding articulation credits available at your location. Additional information regarding this opportunity is available at [http://www.ppcc.edu/high-school-students/](http://www.ppcc.edu/high-school-students/)

**ASCENT**

ASCENT stands for Accelerating Students through Concurrent ENrollmenT. Students who have completed and successfully transcript at least 12 credit hours of postsecondary coursework prior to completion of his/her senior year may be eligible for the ASCENT Program. District 11 pays their college tuition at the resident community college rate. Students remain as a non-graduating student participant for one year following their senior year. Students may walk at graduation but may not accept/convert their diploma as graduated. The high school diploma is deferred while in the ASCENT program. Students receive their high-school diplomas at the end of their ASCENT year. [C.R.S. § 22-35-108] Students must opt in prior to February 1st. The intent of the ASCENT program is to increase the percentage of students who participate in postsecondary education, especially among low-income and traditionally underserved populations, and decrease the number of students who do not complete high school. Additionally, the program intends to decrease the amount of time that is required for a student to complete a postsecondary degree, as well as reduce state expenditures for public education to provide postsecondary course work for high school students. For more information, please consult with your high school counselor.

**Concurrent Enrollment**

Current enrollment allows students to access courses at the postsecondary level (Pikes Peak Community College or University of Colorado Colorado Springs or Colorado State University Pueblo) while still in high school. Through this program, students may earn both high school and college credit. Colorado Springs School District 11 Enrollment Program (CE) is a good fit for students who would not typically access college without an “advance” start, students with significant academic needs, and students who have exhausted district curriculum. An up to date Individual Career and Academic Plan (ICAP) is required. Tuition is reimbursed by District 11 at the Community College rate. Books and other college course fees shall be at the expense of the student or his/her parents or legal guardians. The student needs to either pass the ACCUPLACER or have a qualifying ACT/SAT score in addition to meeting the GPA requirements of the institution to which they are applying for more information, please consult with your high school counselor.

**Extended Study (Dual Credit)**

Extended study may be completed at the high school where the student is enrolled in a traditional high school course and the instructor has a postsecondary institution endorsement. Students may earn both high school and college credit. Students may enroll for the high school courses (prerequisites may apply) and if they additionally meet the requirements specified by the postsecondary partner, may dually enroll in the college barring course. The fees for and extended study vary by program, however if a student enrolls into an extended study program and fails the course of withdraws, the students will be required to reimburse the district. Enrollment is a dual credit course does not guarantee college acceptance. Please contact your school counselor for information regarding available dual credit options.
Career Start (Formerly AVP)
Career start provides occupational skill development and training for juniors and seniors. This is Concurrent Enrollment with a college and career emphasis. District 11 pays all costs for the yearlong program. Students completing Career Start earn a credit, which can be applied toward high school graduation. Students also earn college credit which may be applied to a postsecondary certificate or degree. Career Start strives to prepare students for the world of work by teaching the related academic and workplace basics that are essential for employment. Program offered through Career Start can be found on the Pikes Peak Community College website: https://apps.ppcc.edu/catalog/current/career-start.htm

Are you getting the credit you deserve?

What is High School Articulation?
Articulation is a way for high school students to earn college credit as they build career and technical education skills. A high school student can receive PPCC credit if they earn an A or B in their high school articulated course(s). Articulated credit and coursework will be recorded on an official Pikes Peak Community College transcript.

Who can participate?
High school students taking career and technical education courses in their high school may receive credit if they earn an A or B grade in courses included in agreements between PPCC and their high school.

Why should a student participate?
Earning community college credits for college level competencies achieved in high school can help avoid duplicating coursework in college and may lead to graduating from college early. Start preparing for a career while still in high school.

Save money!
Students pay a $10 fee per PPCC course(s) to get the credit recorded on a PPCC transcript (not to exceed $40 per semester). You’ll save on college tuition, books and lab fees. An average 3 credit PPCC course (resident) is $531.40 plus books. This can mean significant educational and financial advantages for your family!

What classes are eligible for articulation?
Numerous opportunities exist! The courses available for credit depend upon the formal articulation agreement between the school district and PPCC. Check with your high school counselor or teacher. Articulated courses at Doherty include: Architectural Drawing; Catering; Civil Engineering; Accounting and College Accounting; Interior Design; Introduction to Business; Introduction to Engineering Design; Marketing and Advertising; Digital Electronics; ProStart; Teacher Cadet and Video Production. Other courses are pending approval.

How does a student get the college credit?
1) Complete an articulated course with a B or better;
2) Apply for admission (free) to PPCC;
3) Fill out the Teacher Grade Verification Form and have your teacher sign it;
4) Return the packet to your instructor. The district will submit all applications and cover the $10 administrative fee;
5) Take action! Request a transcript from PPCC and explore your postsecondary options in their course catalog.
### Higher Education Admission Requirements (HEAR)

<table>
<thead>
<tr>
<th>Academic Area*</th>
<th>2010 + Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>English*</td>
<td>4 Years</td>
</tr>
<tr>
<td>Mathematics (Must include Algebra 1, Geometry, Algebra 2 or equivalents)***</td>
<td>4 Years</td>
</tr>
<tr>
<td>Natural/Physical Sciences (Two units must be lab based)***</td>
<td>4 Years</td>
</tr>
<tr>
<td>Social Sciences (At least one unit of U.S. or World History)</td>
<td>3 Years</td>
</tr>
<tr>
<td>World/Foreign Language****</td>
<td>1 Year</td>
</tr>
<tr>
<td>Academic Electives*****</td>
<td>2 Years</td>
</tr>
</tbody>
</table>

---

* CCHE, CDE, and School Districts are developing standards for alternative demonstration of proficiency to be accepted in lieu of course completion. For course guidelines see paragraph 4.01 of the Admissions Standards Policy.

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

*** College preparatory ESL mathematics/science courses that include content and academic rigor/level comparable to other acceptable courses may satisfy HEAR requirements.

**** American Sign Language (ASL) courses can count toward the World/Foreign Language requirement.

***** Acceptable academic electives include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, Honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses.

The Colorado Commission on Higher Education does not review individual high school courses to determine whether or not they meet Colorado’s Higher Education Admissions Requirements. Because local school districts in Colorado oversee their high school curricula and colleges and universities establish their own entrance requirements, it is their discretion to determine what coursework meets the Higher Education Admission Requirements.
Preparing for college, a trade school, the military, or the workforce can be overwhelming however, starting early can help reduce the anxiety that is felt during this process. The steps provided below are merely a guide to help you along the way having regular meetings with your family, keeping up grades, and reaching out to your school counselor are a few ways. Also, hyper-links are underlined to help you gain access to additional resources around financial aid and the FAFSA process.

9th Grade Steps Toward Postsecondary Opportunities

Students To Do:
- Take challenging classes in core academic subjects. Most colleges require four years in English, at least three years of social studies (history, civics, geography, economics, etc.), three years of mathematics, and three years of science, and many require two years of foreign language. Round out your course load with classes in computer science and the arts.
- Work with a parent or guardian about how to save for college, trade school, or military opportunity.
- Get involved in school or community-based activities that interest you or let you explore career interests. Consider working volunteering, and/or participating in academic enrichment programs, summer workshops, and camps that match your interests. Remember it’s quality (not quantity) that counts.
- Ask your school counselor or teachers what Advanced Placement courses are available, whether you are eligible, and how to enroll in them.
- Use the U.S. Department of Labor’s career search tool to research your career options.
- Start a list of your awards, honors, paid and volunteer work, and extracurricular activities. Update your goals and consider beginning a resume throughout high school.

To Explore:
- Check out KnowHow2 Go: The Four Steps to College, which suggests some actions to take as you start thinking about education beyond high school.
- Learn about managing money. This can be done through a financial literacy class, a school based presentation on ways to pay for postsecondary educational opportunities, or in collaboration with your family.
- Explore reasons to consider college and ways you can get help preparing for higher education.

Parents/Guardians
To Do:
- Talk to your child about college as if he or she were definitely going to go to college.
- Keep an eye on your child’s study habits and grades – stay involved.
- Encourage your child to take Advanced Placement or other challenging classes.
- Add to your child’s savings account regularly; and make sure you are fully aware of the provisions of the account.

10th Grade Steps Toward Postsecondary Opportunities

Students To Do:
- Meet with your school counselor or mentor to discuss colleges and their requirements.
- Consider taking a practice Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT).
- Plan to use your summer wisely: work, volunteer, or take a summer course (away or at a local colleges).
- Go to career information events to get a more detailed look at career options.
- Research majors that might be a good fit with your interests and goals based on your results from the U.S. Department of Labor’s career search.

To Explore:
Learn the differences between grants, loans, work-study, and scholarships.

Parents/Guardians
To Do:
- Find out whether your child’s school has college nights or financial aid nights. Plan to attend those events with your child.
- Help your child develop independence by encouraging him or her to take responsibility for balancing homework wit

To Explore:
- Learn about the standardized tests your child will be taking during 10th through 12th grades.
11th Grade Steps Toward Postsecondary Opportunities

Students To Do:
- Explore careers and their earning potential in the Occupational Outlook Handbook. Or, for a fun interactive tool, try the U.S. Department of Labor’s career search.
- Learn about choosing a college and find a link to our free college search tool
- Go to college fairs and college-preparation presentations by college representatives.

Fall
- Take the Preliminary practice Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT). You must take the test in 11th grade to qualify for scholarships and programs associated with the National Merit Scholarship Program.

Spring
- Register for and take exams for college admission. The standardized tests that many colleges require are the SAT, the SAT Subject Tests, and the ACT. Check with the colleges you are interested in to see what test they require.
- Use the U.S. Department of Labors’ scholarship search to find scholarships for which you might want to apply. Some deadlines fall as early as the summer between 11th and 12th grades, so prepare now to submit applications soon.

Summer Before 12th Grade
- Narrow down the list of colleges you are considering attending. If you can, visit the schools that interest you.
- Contact colleges to request information and applications for admission. Ask about financial aid, admission requirements, and deadlines.
- Decide whether you are going to apply under a particular college’s early decision or early action program. Be sure to learn about the program deadlines and requirements.
- On the FAFSA website, you can compare the expected amount of financial aid to be received with the actual costs of the colleges to which you will apply. To supplement any aid you may receive, be sure to apply for scholarships. Your goal is to minimize the amount of loan funds you borrow. Your goal is to minimize the amount of loan funds you borrow.

To Explore:
- Find out what government financial aid you can apply for.
- Learn how to avoid scholarship scams and identity theft as you look for financial aid and then attend college.

Parents/Guardians To Do:
- Take a look at your financial situation and be sure you’re on the right track to pay for your student’s future postsecondary education or career opportunity.
- Talk to your child about what programs or schools he or she is considering. Ask why those schools appeal to your child and help him or her clarify goals and priorities.
- Attend college fairs with your child. Listen and let your child do the talking with the college representatives.
- Take your child to visit college campuses, preferably when classes are in session.
- Make sure your child is looking into or has already applied for scholarships.
- Ask your employer whether scholarships are available for employees’ children.

To Explore:
- Get in-depth information on the federal student aid programs.
- Learn about student and parent loans in Direct Loan Basics for Students and Direct Loan Basics for Parents.
- Find out how the federal student aid application process works.

12th Grade Steps Towards College Preparation

Fall
- Work hard all year – second semester grades can affect scholarship eligibility.
- Meet with your school counselor to make sure you are on track to graduate and fulfill college admission requirements.
- If you haven’t done so already, register for and take the standardized tests required for college admission. Check with the colleges you are interested in to see what tests they require.
- Apply to the colleges you have chosen. Prepare your application carefully. Follow the instructions and PAY CLOSE ATTENTION TO DEADLINES!
- Well before your application deadlines, ask your counselor and teachers to submit required documents (e.g. transcript, letters of recommendation) to the colleges to which you’re applying.
Winter

- Encourage your parent(s) to complete income tax forms early. If you parent(s) has (have) not completed tax forms, you can provide estimated information on your federal student aid application. Remember to make any necessary changes later on your student aid application.
- As soon as possible (after October 1 complete and submit your Free Application for Federal Student Aid (FAFSA*) along with any other financial aid applications your school(s) of choice may require. You can complete the FAFSA online or on paper, but completing the application online is faster and easier. You should submit your FAFSA by the earliest financial aid deadline of the schools to which you are applying, usually by early February.
- After you submit the FAFSA you should receive your Student Aid Report (SAR) within three days to three weeks. Quickly make any necessary corrections and submit them to the FAFSA processor.
- Complete any last scholarship applications.

Spring

- Visit colleges or programs that have invited you to enroll.
- Review your college acceptances and compare the colleges’ financial aid offers.
- Contact a school’s financial aid office if you have questions about the aid that school has offered you. Getting to know your financial aid staff early is a good idea no matter what – they can tell you about deadlines, other aid for which you might wish to apply, and important paperwork you might need to submit.
- When you decide which school you want to attend, notify that school of your commitment and submit any required financial deposit. Many schools require this notification and deposit by May 1.

To Explore:

- Refer to information about financial aid as you work through the FAFSA process.
- Make informed decisions about student loans. The following resources are important at this point: Federal Versus Private Loans and Direct Loan Basics for Students.
- REMEMBER: Register for all tests in advance and be sure to give yourself time to prepare appropriately! If you have difficulty paying a registration fee, see your school counselor about getting a fee waiver.

Parents/Guardians

To Do:

- Work with your child on filling out the FAFSA.

To Explore:

- Make sure your child’s personal information is safe when he or she applies for financial aid. For tips, read “Student Aid and Identity Theft.”
- Read IRS Publication 970, Tax Benefits for Education to see how you might benefit from federal income tax credits for education expenses.
- Understand the benefits of federal student loans.
- Look at communications from schools to which your child sent FAFSA information. If a school has offered Direct PLUS Loans, the Direct Loans Basics for Parents brochure might be useful to you.
COLLEGE CREDIT OPTIONS AT DOHERTY HIGH SCHOOL

Doherty offers 18 Advanced Placement courses that can generate college credit from any college/university in the United States depending on the college, a student’s major, and the score a student earns on the AP exam in May. In addition to this, students can earn credit from local colleges/universities from those opportunities listed below.

The following courses taken at Doherty can earn credit from the University of Colorado Colorado Springs through the CU Succeed program or from Project Lead the Way:

- Pre-Calculus
- Advanced Placement Calculus AB
- Advanced Placement Calculus BC
- Advanced Placement Statistics
- Advanced Placement Chemistry
- Advanced Placement German
- Intro to Engineering
- Civil Engineering and Architecture

The following course taken at Doherty can earn credit from Colorado State University at Pueblo:

- Honors English 7, 8
- Teacher Cadet

The following courses have articulation agreements with Pikes Peak Community College:

**Business Department**

- Accounting
- Intro to Business
- Marketing 1, 2
- Advanced Marketing 1, 2

**Family & Consumer Science**

- ProStart 1, 2
- ProStart 3, 4
- Teacher Cadet

**Applied Technology**

- Architectural Drawing 1, 2, 3, 4
- Technical Drawing 1, 2
- Introduction to Engineering
- Civil Engineering and Architecture
- Digital Electronics

**AVP (Area Vocational Program)**

- Automotive Collision Technology
- Automotive Service Technology
- Computer Aided Drafting
- Computer Information Systems
- Criminal Justice
- Culinary Arts
- Diesel Power Technology
- Early Childhood Education
- Fire Science Technology

- Health Career Exploration (CAN opportunity)
- Health Science Technology
- Interior Design
- Multimedia Graphic Design
- Music Technology
- Radio and Television
- Zoo Keeping
NCAA

All student athletes must meet NCAA eligibility requirements to compete at either Division I or Division II colleges or universities. In order to meet the NCAA requirements, students need to maintain a strong academic record in NCAA approved classes. All courses on the District #11 NCAA approved course list are designated by an asterisk * in the course book. NCAA only counts courses that are considered “academic core classes”. Elective courses such as computer applications, PE, health, any art class, drama, music, business, applied technology, family and consumer science classes won’t fulfill a NCAA credit. Access more information at: https://web1.ncaa.org/eligibilitycenter/common

Students who wish to compete on one of the Mountain West Conference teams must meet NCAA eligibility requirements as an incoming freshman in order to compete at any time on a Mountain West team during their collegiate career.

ACADEMIC ELIGIBILITY FOR ATHLETES

If you are an athlete, check your course request carefully to be sure that you are taking enough courses to meet the academic requirements for eligibility. The requirements are as follows:

- Student must be enrolled in 5.0 credits for both first and second semester.
- Student must have been enrolled in enough courses to total 5.0 credits and must have earned at least 4.0 credits at the close of the previous semester.
- Student must not be failing more than one course during the time of participation.

SPORTS

The following sports were available for student participation during the 2015-2016 school year.

<table>
<thead>
<tr>
<th>FALL SPORTS</th>
<th>WINTER SPORTS</th>
<th>SPRING SPORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Country</td>
<td>Boys Basketball</td>
<td>Baseball</td>
</tr>
<tr>
<td>Football</td>
<td>Girls Basketball</td>
<td>Girls Golf</td>
</tr>
<tr>
<td>Boys Golf</td>
<td>Hockey</td>
<td>Girls Soccer</td>
</tr>
<tr>
<td>Boys Soccer</td>
<td>Girls Swim</td>
<td>Boys Swim</td>
</tr>
<tr>
<td>Girls Softball</td>
<td>Boys Wrestling</td>
<td>Girls Tennis</td>
</tr>
<tr>
<td>Boys Tennis</td>
<td>Girls Wrestling</td>
<td>Boys Track</td>
</tr>
<tr>
<td>Volleyball</td>
<td></td>
<td>Girls Track</td>
</tr>
</tbody>
</table>

ACTIVITIES, CLUBS and ORGANIZATIONS

The following activities, clubs and organizations were available for student participation during the 2022-2023 school year.

- Anatomy Club
- Art Club
- Auto Club
- Backyard Sports Club
- Color Guard
- Cheer
- Chess
- Colorado Creative Careers
- Colorado Youth Outdoors
- DECA**
- Diversity Council
- Environmental Club
- FBLA**
- FCCLA**
- Forensics
- French Club
- German Club
- GTA
- Improv
- Junior Classical League
- Link Crew
- Mathletes
- MESA
- Mock Trial**
- National Honor Society*
- Newspaper**
- Peer Counseling*
- Poms*
- Science Olympiad
- Skills USA
- Spanish Club
- Student Council*
- TSA
- Thespians
- Yearbook**

- Requires an application process, interview or try outs to participate in these organizations.
- Requires that the student must be enrolled in this class.
DISTRICT 11 Graduation Requirements

To qualify for graduation, a student must meet the minimum number of semester credits in the academic areas as outlined below. Elective credits may be earned in any area once the specific graduation requirements are fulfilled. 1 credit is earned each semester upon successful course completion.

SEMIESTER CREDITS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>8</td>
</tr>
<tr>
<td>Social Studies</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Science</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Humanities</td>
<td>2</td>
</tr>
<tr>
<td>Computer Education</td>
<td>1</td>
</tr>
<tr>
<td>Economics</td>
<td>1</td>
</tr>
<tr>
<td>Practical Arts</td>
<td>1</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Subjects</td>
<td>35</td>
</tr>
<tr>
<td>Electives</td>
<td>11</td>
</tr>
</tbody>
</table>

Minimum Total for Graduation: 46

HIGHER EDUCATION ADMISSION REQUIREMENTS*

In October 2003, the Colorado Commission on Higher Education (CCHE*) revised the Admission Standards Policy to include the addition of a pre-collegiate course completion requirement. The revised admission standards apply to students who seek to qualify for admission to any of Colorado’s four-year public institutions. Community colleges will continue to be open admissions; student’s enrolling in these institutions are not subject to admission standards.

The updated Admission Requirements identify a combination of courses, primarily in the areas of English, mathematics, natural and physical sciences, and social sciences that students should plan to complete as preparation for entering one of Colorado’s four-year public colleges or universities. However, the completion of these requirements does not guarantee admission to any of Colorado’s four-year public colleges or universities. EACH UNIT REPRESENTS ONE YEAR.

<table>
<thead>
<tr>
<th>Subject</th>
<th>CCHE</th>
<th>D-11</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 units</td>
<td>8 credits</td>
</tr>
<tr>
<td>Mathematics (Algebra 1/2 level and higher)</td>
<td>4 units</td>
<td>8 credits</td>
</tr>
<tr>
<td>Natural/Physical Sciences (2 units must be lab based)</td>
<td>3 units</td>
<td>6 credits</td>
</tr>
<tr>
<td>Social Sciences (at least one unit of U.S. or world history)</td>
<td>3 units</td>
<td>6 credits</td>
</tr>
<tr>
<td>World Languages (must be same language)</td>
<td>1 unit</td>
<td>2 credits</td>
</tr>
<tr>
<td>Academic Electives</td>
<td>2 units</td>
<td>4 credits</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>17 units</td>
<td>34 credits</td>
</tr>
<tr>
<td>DISTRICT 11 GRADUATION REQUIREMENTS</td>
<td>HIGHER EDUCATION ADMISSION REQUIREMENTS</td>
<td></td>
</tr>
<tr>
<td>------------------------------------</td>
<td>------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>The two semesters of Humanities credit may be fulfilled by any 2 Art courses.</td>
<td>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</td>
<td></td>
</tr>
<tr>
<td>Ceramics 1,2</td>
<td>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</td>
<td></td>
</tr>
<tr>
<td>Drawing 1,2</td>
<td>Ceramics 1,2; 3,4</td>
<td></td>
</tr>
<tr>
<td>Intro to Visual Art 1,2</td>
<td>Computer Art 1,2</td>
<td></td>
</tr>
<tr>
<td>Jewelry 1</td>
<td>Drawing 1,2; 3,4</td>
<td></td>
</tr>
<tr>
<td>Painting 1,2</td>
<td>Intro to Visual Art 1,2</td>
<td></td>
</tr>
<tr>
<td>Sculpture 1</td>
<td>Jewelry 1</td>
<td></td>
</tr>
<tr>
<td>Studio Art 1,2 AP</td>
<td>Painting 1,2; 3,4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Photography 1,2; 3,4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sculpture 1</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Grade requirements</td>
<td>Prerequisite</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td><strong>INTRO TO VISUAL ART 1/ART EXPLORATIONS</strong></td>
<td>First Semester or Second Semester</td>
<td>None</td>
</tr>
<tr>
<td>Course Length: 1 Semester</td>
<td>Grade: 9, 10, 11, 12 (9&lt;sup&gt;th&lt;/sup&gt; graders MUST take this course before taking any other art course.)</td>
<td>(Humanities or Elective)</td>
</tr>
<tr>
<td>Credit per Semester: 1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Full Year</strong></td>
<td></td>
</tr>
<tr>
<td>Course Length: 2 Semesters</td>
<td>Grade: 12</td>
<td>Prerequisite: Teacher approval</td>
</tr>
<tr>
<td>Credit per Semester: 1.0</td>
<td></td>
<td>Students provide own supplies</td>
</tr>
<tr>
<td></td>
<td><strong>First Semester or Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>Course Length: 1 Semester</td>
<td>Grade: 10, 11, 12</td>
<td>Prerequisite: Ceramics 1</td>
</tr>
<tr>
<td>Credit per Semester: 1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>First Semester or Second Semester</strong></td>
<td>Prerequisite: Intro to Visual Art for grade 9</td>
</tr>
<tr>
<td>Course Length: 1 Semester</td>
<td>Grade: 9, 10, 11, 12</td>
<td></td>
</tr>
<tr>
<td>Credit per Semester: 1.0</td>
<td></td>
<td>Prerequisite: Drawing 1</td>
</tr>
</tbody>
</table>
PAINTING 1  
**First Semester**
Course Length: 1 Semester  
Grade: 9, 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: Intro to Visual Art for grade 9  
(Humanities or Elective)
Discover a world of color. Explore painting by mixing your own hues and working with primarily wet media. Learn about traditional and experimental painting techniques, tools, and surfaces. Materials used may include tempera, watercolor, acrylic, and oil. Composition, color theory, and development skills will be emphasized. Uncover the secrets of the masters through the study of painting throughout art history.

PAINTING 2  
**Second Semester**
Course Length: 1 Semester  
Grade: 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: Painting 1  
(Humanities or Elective)
Is painting only done on paper? If you answered “No” then this is the class for you! Learn to construct your own surface by making your own stretched canvas. Also use alternative methods for surface preparations such as painting on boards, paper and other non-traditional surfaces. Historical and cultural aspects will be explored.

JEWELRY 1  
**First Semester or Second Semester**
Course Length: 1 Semester  
Grade: 9, 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: Intro to Visual Art for grade 9  
(Humanities or Elective)
Bling! Bling! This class involves the design and creation of jewelry and other metal art. You will create contemporary jewelry from various metals, stones and experimental materials. Students will use jewelry tools for the traditional basic processes of sawing, piercing, filing, soldering, annealing, forming, cleaning and polishing metal. Emphasis will be on sound creative design and fine craftsmanship. This class rocks!

SCULPTURE 1  
**First Semester or Second Semester**
Course Length: 1 Semester  
Grade: 9, 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: Intro to Visual Art for grade 9  
(Humanities or Elective)
Occupy real space! Construct three-dimensional forms in clay, wood, plaster, paper, wire, metal, and mixed media. Learn the four processes of casting, carving, modeling and assemblage. Sculpture is a tactile and physical experience that allows you to work with a variety of tools.
Career and Technical Education at Thomas B Doherty High School offers to all students an opportunity to acquire marketable job skills, occupational knowledge and positive attitudes for entering the world of work and/or entering into post-secondary study. In order to provide these opportunities a variety of skill training classes are offered. Programs are kept current based on feasibility studies and direct input from area advisory boards representing business and industry. Courses teach work place basics necessary to succeed in any occupation or career (such as critical thinking, practical application, teamwork, and problem solving). Students are taught to conduct themselves in a manner expected of an employee by an employer. Students are guided and directed through the process of creating a purpose, focus, and direction for their future. These offerings allow students to develop a belief in the dignity of work, pride of accomplishment, strong work ethic, and a desire to learn. Career and technical education produces students with transferable skills for occupations requiring continuous upgrading. Career and technical education recognizes the need for emphasizing both the academic and occupational components of the educational process and strives to maintain a positive relationship with the core class teachers thus assisting in the development of the whole student.

CAREER and TECHNICAL EDUCATION OBJECTIVES

1. All programs place emphasis on technical skills, employability, and applied academics.
2. All programs assess students’ progress through competency achievement in areas of employability, computation, communication, and technical skills.
3. All programs collaborate with core class instructors to incorporate and enhance core education competence.
4. Programs offer a community-based education component for student learning in the work place.

CAREER AND TECHNICAL EDUCATION AREAS OF STUDY

- **APPLIED TECHNOLOGY**
  - Architecture
  - Engineering
  - Computer Science
  - Automotive Technologies

- **BUSINESS EDUCATION**
  - Business/Finance
  - Marketing
  - Digital Media

- **FAMILY AND CONSUMER SCIENCES**
  - Culinary Arts
  - Education
  - Interior Design

- **ALTERNATIVE COOPERATIVE EDUCATION**
<table>
<thead>
<tr>
<th>DISTRICT 11 GRADUATION REQUIREMENTS</th>
<th>HIGHER EDUCATION ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>The one required credit of Practical Arts may be fulfilled by any of the classes in the Applied Technology department. The following classes can also be used to fulfill the 11 credits of elective credit required for graduation.</td>
<td></td>
</tr>
<tr>
<td>Architectural Drawing 1, 2; 3, 4</td>
<td></td>
</tr>
<tr>
<td>Automotive Technology 1, 2</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering &amp; Architecture 1, 2</td>
<td></td>
</tr>
<tr>
<td>Computer Science Essentials 1, 2</td>
<td></td>
</tr>
<tr>
<td>Computer Science Principles 1, 2</td>
<td></td>
</tr>
<tr>
<td>Digital Electronics 1, 2</td>
<td></td>
</tr>
<tr>
<td>Introduction to Engineering Design 1, 2</td>
<td></td>
</tr>
<tr>
<td>Principles of Engineering 1, 2</td>
<td></td>
</tr>
<tr>
<td>Technical Drawing</td>
<td></td>
</tr>
<tr>
<td>Vocational Technology—Automotive Technician</td>
<td></td>
</tr>
<tr>
<td>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</td>
<td></td>
</tr>
<tr>
<td>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</td>
<td></td>
</tr>
<tr>
<td>Architectural Drawing 1, 2; 3, 4</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering &amp; Architecture 1, 2</td>
<td></td>
</tr>
<tr>
<td>Computer Science Essentials 1, 2</td>
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<td></td>
</tr>
<tr>
<td>Principles of Engineering 1, 2</td>
<td></td>
</tr>
<tr>
<td>Vocational Technology—Automotive Technician</td>
<td></td>
</tr>
</tbody>
</table>

The one required credit of Computer Education may be fulfilled by:

Any Project Lead the Way Pre-Engineering Class or Computer Science Class
Architectural Drawing 1, 2; 3, 4
Technical Drawing
# Doherty High School  Applied Technology
## Architecture Plan of Study

### Principal
Lana Flenniken

### Supervising Assistant Principal
Lauren Murphy

### Instructors
Jeff Neumeyer
Adam Truex

<table>
<thead>
<tr>
<th>Grade</th>
<th>Core Curriculum</th>
<th>Pathway Curriculum</th>
<th>College Course Equivalents</th>
</tr>
</thead>
</table>
| **9th** | Physical, Earth, & Space Science (2)  
English 1, 2 (2)  
Algebra 1, 2 (2)  
PE (1)  
World History (2)  
Foreign Language (2) | Technical Drawing | CAD 101 Computer Aided Drafting  
3 PPCC Credits |
| **10th** | Biology (2)  
English 3, 4 (2)  
Geometry 1, 2 (2)  
US History (2)  
PE (1)/Health (1)  
Foreign Language (2) | Architectural Drawing 1  
Architectural Drawing 2 | AEC 101 Basic Architectural Drawing  
4 PPCC Credits |
| **11th** | English 5, 6 (2)  
Algebra 3, 4 (2)  
Chemistry/Physics (2)  
Government (1)/ SS Elective (1)  
Physical Education (1)  
++Elective | Architectural Drawing 3  
Architectural Drawing 4 | AEC 102 Residential Architecture  
4 PPCC Credits |
| **12th** | English 7/8 (2)  
Math Analysis/Trig. (2)  
Economics (1)  
++Elective | **Civil Engineering/Architecture** | CAD 224 Revit  
3 PPCC Credits  
or  
ENGR 1506 Civil Engr. And Architecture  
3 UCCS Credits |

Above listed courses are the minimum requirements, honors and/or Advanced Placement courses in math and science are ideal but not required.

* Two years of the same world language are required to attend a four-year university in Colorado.  
University of Colorado requires 3 years.

** Indicates Project Lead the Way class which are also articulated with the University of Colorado at Colorado Springs.

++ Electives consist of classes from the following departments art, business, family and consumer Sciences. In addition to the pathway courses suggested elective are: Entrepreneurship (Business Management) and/or Freehand Drawing.

*Career and Technology Student Organization: Technology Student Association*
APPLIED TECHNOLOGY – ARCHITECTURE

TECHNICAL DRAWING
Course Length: 1 Semester  First or Second Semester
Credit per Semester: 1.0  Grade: 9, 10, 11, 12
Prerequisite: None  (Computer Education, Practical Arts or Elective)

This course is designed to introduce students to the systems and tools that high-tech. industries use to communicate. Emphasis is placed on sketching, orthographic views, sections, isometric and oblique drawing, working drawings, architectural drawings, dimensioning and line quality. This course is recommended for all students and especially for students planning careers as engineers, architects, machinists and any related scientific area. The AutoCAD Computer Aided Drafting (CAD) system will be utilized. This course can be taken for Pikes Peak Community College credit.

ARCHITECTURAL DRAWING 1, 2
Course Length: 2 Semesters  Full Year
Credit per Semester: 1.0  Grade: 10, 11, 12
Prerequisite: Successful Completion of Architectural Drawing 1
(Computer Education, Practical Arts or Elective)

The major focus in Architectural Drawing 1, 2 will be residential architecture. Instruction is given on bedroom layout, bathroom layout, kitchen layout, wall framing, wall sections, stair details, floor plan layout, and elevations. Additional instruction will be done in basic residential planning, wood-frame construction, basic elements of working drawings, and code requirements. Architectural Drawing 1, 2 is recommended for all students who are interested in architecture, construction, building trades, and especially the college-bound student planning on being an architect or for the student interested in learning about architectural construction to become a wiser consumer. AutoCAD will be utilized. This course can be taken for Pikes Peak Community College credit.

ARCHITECTURAL DRAWING 3, 4
Course Length: 2 Semesters  Full Year
Credit per Semester: 1.0  Grade: 11, 12
Prerequisite: Successful Completion (Computer Education, Practical Arts or Elective) of Architectural Drawing 2

This course continues with presentation or working drawings and wood-frame construction. It includes instruction on detailing, structural framing, use of refined materials, special sectioning, and cabinet layout. In addition, instruction will be given on commercial building designs, such items as fire codes, handicapped structures and fixtures, zoning, and building materials. It is recommended that students who are planning a career in architecture take all four architectural drawing courses. AutoCAD will be utilized. This course can be taken for Pikes Peak Community College credit.

CIVIL ENGINEERING & ARCHITECTURE 1, 2 H
(Project Lead the Way)
Course Length: 2 Semesters  Full Year
Credit per Semester: 1.0  Grade: 11, 12
Prerequisite: Concurrent enrollment (Computer Education, Practical Arts or Elective)
in college preparatory mathematics or Architectural Drawing 4

Improving our world through thoughtful building design and development, you can change the world, one project at a time.

Students learn the fundamentals of building design, site design, and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. College credit is available for this class (see teacher or department chair for details).
COMPUTER INTEGRATED MANUFACTURING
(Project Lead the Way)
Course Length: 2 Semesters
Credit per Semester: 1.0
Education, Practical Arts or Elective)

Grade: 11, 12
Prerequisite: Concurrent enrollment (Computer
in college preparatory mathematics
or Principles of Engineering)

Manufacturing transforms ideas in products. This course provides an opportunity for students to develop a better understanding of this innovation and exciting industry.

Students learn about product design, manufacturing processes, robotics, and automation. Students develop their knowledge and skills of computer aided design and manufacturing to produce products using a Computer Numerical Controlled (CNC) mill. Students apply the knowledge and skills gained in this course as they collaborate to design, build, and program factory system models. College credit is available for this class (see teacher or department chair for details).
# Doherty High School Applied Technology Engineering Plan of Study

## Core Curriculum

<table>
<thead>
<tr>
<th>Grade</th>
<th>Core Curriculum</th>
</tr>
</thead>
</table>
| 9th   | Physical Science/Biology Honors (2)  
|       | English 1, 2 or Honors 1, 2 (2)  
|       | Algebra 1, 2 or  
|       | +Geometry 1, 2 Honors (2)  
|       | PE (2)  
|       | *Foreign Language (2)  
|       | World History (2) |
| 10th  | Biology/Chemistry (2)  
|       | English 3, 4 or Honors 3, 4 (2)  
|       | Geometry 1, 2 or  
|       | +Honors Algebra 3, 4 (2)  
|       | *Foreign Language (2)  
|       | US History (2)  
|       | PE (1)  
|       | Health (1) |
| 11th  | English 5, 6 or Honors 5, 6 (2)  
|       | Algebra 3, 4 or  
|       | +Pre-Calculus (2)  
|       | Chemistry/Physics (2)  
|       | Government (1)  
|       | Social Studies (1)  
|       | ++Elective |
| 12th  | English 7, 8 or Honors 7, 8(2)  
|       | Math Analysis/Trigonometry or  
|       | +Calculus (2)  
|       | *Physics/AP Science  
|       | Economics (1)  
|       | ++Elective |

## Pathway Curriculum

<table>
<thead>
<tr>
<th>Grade</th>
<th>Pathway Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>**Introduction to Engineering Design (IED) Honors</td>
</tr>
<tr>
<td>10th</td>
<td>**Principles of Engineering (POE) Honors</td>
</tr>
</tbody>
</table>
| 11th  | **Civil Engineering/Architecture Honors  
|       | or  
|       | **Computer Integrated Manufacturing |
| 12th  | **Civil Engineering/Architecture Honors  
|       | or  
|       | **Computer Integrated Manufacturing |

## College Course Equivalents

<table>
<thead>
<tr>
<th>Grade</th>
<th>College Course Equivalents</th>
</tr>
</thead>
</table>
| 9th   | ENGR 1503 Intro to Engineering Design  
|       | 2 UCCS Credits  
|       | CAD 240 Inventor 1  
|       | 3 PPCC Credits |
| 10th  | ENGR 1502 Principles of Engineering  
|       | 3 UCCS Credits |
| 11th  | CEA  
|       | ENGR 1506 Civil Engr. & Architecture  
|       | 3 UCCS Credits  
|       | CAD 224 Revit  
|       | 3 PPCC Credits  
|       | DE  
|       | ENGR 1507 Computer Integrated Manufacturing  
|       | 3 UCCS Credits |
| 12th  | CEA  
|       | ENGR 1506 Civil Engr. & Architecture  
|       | 3 UCCS Credits  
|       | CAD 224 Revit  
|       | 3 PPCC Credits  
|       | DE  
|       | ENGR 1507 Computer Integrated Manufacturing  
|       | 3 UCCS Credits |

Above listed courses are the minimum requirements, Honors and/or Advance Placement courses in math and science are ideal but not required.

* Two years of the same foreign language are required to attend a four-year university in Colorado. University of Colorado requires 3 years.

** Indicates Project Lead the Way class which is also articulated with the University of Colorado at Colorado Springs.

+ Preferred math sequence.

** Electives consist of classes from the following departments art, business, family and consumer sciences. In addition to the pathway courses suggested elective are: Entrepreneurship (Business Management) and/or Freehand Drawing.

*Career and Technology Student Organization: Technology Student Association*
INTRODUCTION to ENGINEERING DESIGN 1, 2 H
(Project Lead the Way)
Course Length: 2 Semesters
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
Prerequisite: Concurrent enrollment in college preparatory mathematics

Are you ready to design the future? Engineers make a world of difference!
Students are introduced to the engineering design process, apply math, science and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software. College credit is available for this class (see teacher or department chair for details).

PRINCIPLES of ENGINEERING 1, 2 H
(Project Lead the Way)
Course Length: 2 Semesters
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
Prerequisite: Geometry, a college bound science and Introduction to Engineering Design 1, 2

What type of engineer would you like to be? Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and motion. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentations. College credit is available upon completion of course (see teacher or department chair for details).

CIVIL ENGINEERING & ARCHITECTURE 1, 2 H
(Project Lead the Way)
Course Length: 2 Semesters
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
Prerequisite: Concurrent enrollment in college preparatory mathematics or Architectural Drawing 4

Improving our world through thoughtful building design and development, you can change the world, on project at a time!
Students learn the fundamentals of building design, site design, and development. They apply math, science and standard engineering practice to design both residential and commercial projects and document their work using 3D architectural design software. College credit is available for this class (see teacher or department chair for details).
# Doherty High School Applied Technology
## Automotive Plan of Study

**Principal**
Lana Flenniken  
Supervising Assistant Principal  
Lauren Murphy  
Instructor  
TBA

<table>
<thead>
<tr>
<th>Grade</th>
<th>Core Curriculum</th>
<th>Pathway Curriculum</th>
<th>PPCC Credit Courses</th>
</tr>
</thead>
</table>
| 9th   | Physical, Earth, & Space Science (2)  
English 1, 2 (2)  
Algebra 1, 2 (2)  
PE (1)  
World History (2)  
Foreign Language (2) | Automotive Technology 1 | ASE 102  
Introduction to the Automotive Shop  
2 PPCC Credits |
| 10th  | Biology (2)  
English 3, 4 (2)  
Geometry 1,2 (2)  
US History (2)  
PE (1)/Health (1)  
Foreign Language (2) | Automotive Technology 2 | |
| 11th  | English 5, 6 (2)  
Algebra 3, 4 (2)  
Chemistry/Physics (2)  
Government (1)/ SS Elective (1)  
Physical Education (1)  
++Elective | Vocational Automotive  
(2 year program, start 11th grade) | To Be Determined on a case by case, based on specific competencies validated by the course instructor |
| 12th  | English 7,8 (2)  
Math Analysis/Trig. (2)  
Economics (1)  
++Elective | Vocational Automotive  
(2 year program, complete 12th grade) | To Be Determined on a case by case, based on specific competencies validated by the course instructor |

Above listed courses are the minimum requirements, honors and/or Advanced Placement courses in math are ideal but not required.

*  
Two years of the same world language are required to attend a four-year university in Colorado. University of Colorado requires 3 years.

**++**  
Electives consist of classes from the following departments Art, Business, Family and Consumer Sciences. In addition to the pathway courses suggested elective are: Introduction to Business and Entrepreneurship (Business Management).

**Career and Technology Student Organization: Skills USA**
APPLIED TECHNOLOGY – AUTOMOTIVE

AUTOMOTIVE TECHNOLOGY 1
Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

This course includes introductory level technical instruction pertaining to most systems of the modern automobile. It is primarily designed to provide basic skills and knowledge to the potential vehicle operator. The "how's and when's" to maintain vehicles, along with consumer information, are instructional areas of emphasis. This course is highly recommended for ALL students intending to drive and is the prerequisite for sophomores who desire to become vocational technology automotive technicians.

AUTOMOTIVE TECHNOLOGY 2
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

Auto 2 is a continuation of Auto 1 with additional skill training. This course includes instruction in theory and repair toward advanced level components and systems of the automobile. In depth OSHA Safety training and safety regulations with deeper emphasis on shop management, customer relations, service writing, estimating and service consultant. Additional training toward parts inventory and service parts operational systems. Additional training on Pre-delivery, safety and trip inspections, new automotive technology review and preparation.

VOCATIONAL TECHNOLOGY--AUTOMOTIVE TECHNICIAN
Course Length: 2 Semesters
Credit per Semester: 2.0 or 3.0
(Practical Arts or Elective)

This course is designed for those students who have demonstrated an interest in the automotive industry and related occupations. It is two (2) years in duration and utilizes competency-based instruction in twelve (12) major areas. Students will receive training at the pre-apprentice level and will have developed a foundation for entry-level employment or further schooling/training. Hands-on-training will be emphasized through mock-ups, training simulators, and actual vehicles to enhance skills and aptitudes.
The **one required credit** of Practical Arts can be fulfilled by **any** of the classes in the Business/Marketing/Media & Technology department. The following classes can also be used to fulfill the 11 credits of elective credit required for graduation:

- Accounting 1, 2 (H)
- Advanced Video Production 1, 2 (H)
- Broadcast Video Production 1, 2 (H)
- Business and Marketing Essentials
- Computer Applications
- Entrepreneurship 1, 2
- Personal and Financial Leadership
- Marketing and Advertising 1, 2
- Video Production 1, 2 (H)
- Website Design 1, 2

The **one required credit** of Computer Education may be fulfilled by:

- Computer Applications
- Website Design 1, 2

<table>
<thead>
<tr>
<th>DISTRICT 11 GRADUATION REQUIREMENTS</th>
<th>HIGHER EDUCATION ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College Credit Available for:</strong></td>
<td>Accounting 1, 2 (H)</td>
</tr>
<tr>
<td></td>
<td>Advanced Video Production 1, 2 (H)</td>
</tr>
<tr>
<td></td>
<td>Business and Marketing Essentials</td>
</tr>
<tr>
<td></td>
<td>Personal and Financial Leadership</td>
</tr>
<tr>
<td></td>
<td>Marketing and Advertising 1, 2</td>
</tr>
<tr>
<td></td>
<td>Personal and Financial Leadership</td>
</tr>
<tr>
<td></td>
<td>Video Production 1, 2 (H)</td>
</tr>
<tr>
<td></td>
<td>Entrepreneurship 1, 2</td>
</tr>
<tr>
<td><strong>Certifications available for:</strong></td>
<td>Accounting 1, 2 (H)</td>
</tr>
<tr>
<td></td>
<td>Website Design 1, 2</td>
</tr>
</tbody>
</table>
## Doherty High School Business/Marketing/Digital Media
### Business Plan of Study

**Principal**
Lana Flenniken  
**Supervising Assistant Principal**
Lauren Murphy  
**Instructors**
Bruce Cole  
Charmyn Neumeyer

### Future Business Leaders of America

<table>
<thead>
<tr>
<th>Grade</th>
<th>Core Curriculum</th>
<th>Pathway Curriculum</th>
<th>College Course Name</th>
</tr>
</thead>
</table>
| 9th   | Physical Science/Biology Honors (2)  
English 1, 2 (2)  
Algebra 1, 2 or +Geometry 1, 2 H (2)  
PE (2)  
*World Language (2)  
World History (2) | Personal and Finance Leadership | FIN106  
3 PPCC Credits |
| 10th  | Biology/ Chemistry (2)  
English 3, 4 (2)  
Geometry 1, 2 or + Algebra H (2)  
*World Language (2)  
US History (2)  
PE (1)  
Health (1) | Business & Marketing Essentials | BUS115 and MAR 216  
6 PPCC Credits |
| 11th  | English 5, 6 (2)  
Algebra 3, 4 or +Pre-Calculus (2)  
Chemistry/Physics (2)  
Government (1)  
Social Studies (1)  
++Elective | Accounting 1,2 (H) | 3 PPCC Credits  
ACCT105  
Bookkeeping and QuickBooks Tax Preparation Certification Available |
| 12th  | English 7, 8 (2)  
Math Analysis/Trigonometry or +Calculus (2)  
*Physics/AP Science  
Economics (1)  
++Elective | Entrepreneurship 1,2 or Social Impact Business 1,2 | |

+ Preferred math sequence.  
* Two years of the same world language are required to attend a four year university in Colorado.  
University of Colorado requires 3 years.  
++ Electives consist of classes from the following departments Art, Business, Family and Consumer Sciences

**Career and Technology Student Organization: Future Business Leaders of America (FBLA)**
<table>
<thead>
<tr>
<th>Grade</th>
<th>Core Curriculum</th>
<th>Pathway Curriculum</th>
<th>College Course Name</th>
</tr>
</thead>
</table>
| 9<sup>th</sup> | Physical Science/Biology Honors (2)  
English 1, 2 (2)  
Algebra 1, 2 or +Geometry 1, 2 H (2)  
PE (2)  
*World Language (2)  
World History (2) | Personal and Finance Leadership | FIN106  
3 PPCC Credits |
| 10<sup>th</sup> | Biology/ Chemistry (2)  
English 3, 4 (2)  
Geometry 1, 2 or + Algebra H (2)  
*World Language (2)  
US History (2)  
PE (1)  
Health (1) | Business & Marketing Essentials | BUS115 and MAR 216  
6 PPCC Credits |
| 11<sup>th</sup> | English 5, 6 (2)  
Algebra 3, 4 or +Pre-Calculus (2)  
Chemistry/Physics (2)  
Government (1)  
Social Studies (1)  
++Elective | Marketing 1,2 | MAR216  
3 PPCC Credits |
| 12<sup>th</sup> | English 7, 8 (2)  
Math Analysis/Trigonometry or +Calculus (2)  
*Physics/AP Science  
Economics (1)  
++Elective | Entrepreneurship 1,2  
Social Impact Business 1,2 | |

+ Preferred math sequence.  
* Two years of the same world language are required to attend a four year university in Colorado. University of Colorado requires 3 years.  
++ Electives consist of classes from the following departments: Art, Business, Family and Consumer Sciences

*Career and Technology Student Organization:* **DECA**
### ACCOUNTING 1, 2 (H)

**Honors Credit Available**

<table>
<thead>
<tr>
<th>Course Length: 2 Semesters</th>
<th>Grade: 10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: Instructor Approval</td>
</tr>
<tr>
<td>(Practical Arts or Elective)</td>
<td></td>
</tr>
</tbody>
</table>

*Fee: $40.00 for FBLA*

The purpose of the course is to give students a broad background of the basic accounting principles and procedures, to prepare students for a beginning bookkeeping or accounting position in business, and to prepare college-bound students for further study in the field of accounting. Computers are used to introduce students to spreadsheets and computerized accounting. Students will learn to plan, keep, analyze, and interpret the financial records of various businesses. Job simulation projects provide realistic job experience. Automated accounting activities are included. Honors credit is available for this class. College credit is available upon completion of course, with an A or B grade, and exam. Bookkeeping, QuickBooks, and Tax preparation certifications available; see instructor for more details. Accounting students are *Participation in Future Business Leaders of America (FBLA) is required. Dues for FBLA are $40.00. FBLA is a co-curricular student organization. Enrolling in this course and joining FBLA enables students to participate in FBLA competitive events. *Pikes Peak Community College credits are available.

### BUSINESS and MARKETING ESSENTIALS 1, 2

<table>
<thead>
<tr>
<th>Course Length: 2 Semesters</th>
<th>Grade: 10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: None</td>
</tr>
<tr>
<td>(Practical Arts or Elective)</td>
<td></td>
</tr>
</tbody>
</table>

*Fee: $40.00 for FBLA or $40.00 for DECA*

Are you thinking about a career in Business? Everyone works in some sort of business and needs to understand how the business environment works. This class is a foundational class for any student thinking of taking other business courses. This class develops student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing operations, professional development, and strategic management. Through the use of projects and activities students will acquire an understanding and appreciation of the business world. *Participation in DECA or FBLA is required. Dues for DECA are $40.00 and/or dues for FBLA are $40.00. *Pikes Peak Community College credits are available.

### COMPUTER APPLICATIONS

<table>
<thead>
<tr>
<th>Course Length: 1 Semester</th>
<th>Grade: 9, 10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: None</td>
</tr>
<tr>
<td>(Computer Education, Practical Arts or Elective)</td>
<td></td>
</tr>
</tbody>
</table>

Students will develop necessary skills for proper handling and operation of Microsoft Office applications: word, excel, publisher, and power point. This course is designed for students who do not wish to program the computer. Practical applications for personal and business use of Microsoft office are stressed in the areas of data entry (keyboarding), money management, word processing, graphic design and spreadsheets. Career exploration and planning will be incorporated in this course.

### MICROSOFT OFFICE SPECIALIST

<table>
<thead>
<tr>
<th>Course Length: 1 Semester</th>
<th>Grade: 9, 10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: None</td>
</tr>
<tr>
<td>(Computer Education, Practical Arts or Elective)</td>
<td></td>
</tr>
</tbody>
</table>

Microsoft Office Specialist is designed to obtain Microsoft Office industry certification. Computer module based learning with practical exams leading to industry certifications. For those students looking to develop industry recognized skills in one or more Microsoft Office programs. Certifications available in Microsoft Word, Excel, and PowerPoint. **INDUSTRY CERTIFICATION CLASS**

---

*Pikes Peak Community College credits are available.*
INTRO TO COMPUTER SCIENCE (ICS, 0.5 Year)
(Project Lead the Way)
Course Length: 1 Semester
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
Designed to be the first computer science course for students who have never programmed before, ICS is an optimal starting point for the PLTW Computer Science program. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

COMPUTER SCIENCE ESSENTIALS 1,2 H
(Project Lead the Way)
Course Length: 1 Semester
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
In Computer Science Essentials students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. They will use a visual programming language and advance to text-based programming. Throughout the course, students will have opportunities to apply computational thinking practices and collaborate just as computing professionals do to create products that address topics and problems important to them. The course will recognize the diversity of students’ prior knowledge in computer science, welcoming students with limited knowledge but also challenging those with previous computer science experience.

COMPUTER SCIENCE PRINCIPLES 1,2 (AP)
(Project Lead the Way)
Course Length: 1 Semester
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilized computing and introduce professional tools that foster creativity and collaboration. While this course can be a student’s first in computer science, students without prior computing experience are encouraged to start with Computer Science Essentials. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber-security, and simulation.

This course is endorsed by the College Board, giving students the opportunity to take the AP exam for college credits.

COMPUTER SCIENCE APPLICATION (AP)
(Project Lead the Way)
Course Length: 1 Semester
Credit per Semester: 1.0
(Computer Education, Practical Arts or Elective)
Computer Science A focuses on further developing computational thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students will collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web based databases. This course aligns with the AP CS A course. Computer Science will empower, YOU, the student, to become a creator, instead of simply a consumer, of the technology you use daily. As a student you will be seeing your learning connect to the real world.

This course is endorsed by the College Board, giving students the opportunity to take the AP exam for college credits.
Game Programming 1  
**Full Year**  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Practical Art or Elective)  
Grade: 10, 11, 12  
Prerequisite: None  

Students will get an introduction to Game Programming using the UNITY 3D Game Engine. Students will get a basic understanding of what it takes to go into Game Programming as a career. Students will: 1) learn the Unity 3D Game Engine; 2) learn how to plan to design a basic game; 3) learn how to design the terrain of the game; 4) learn how to animate a simple character to accomplish a desired objective; and 5) learn about basic C# techniques to add motion to their character and game.

Game Programming 2  
**Full Year**  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Practical Art or Elective)  
Grade: 10, 11, 12  
Prerequisite: Game Programming 1  

Students will get an introduction to Game Programming using the Unity 3D Game Engine. Students will get a basic understanding of what it takes to go into Game Programming as a career. Students will: 1) learn about creating and importing 3D objects for our game; 2) learn how to implement our player character; 3) learn how to implement our non-player characters; 4)...

ENTREPRENEURSHIP 1, 2  
**Full Year**  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Practical Art or Elective)  
Grade: 12  
Prerequisite: Marketing and Advertising 1, 2 or Accounting 1, 2 or Instructor Approval  
*Fee: $40.00 for FBLA or $40.00 for DECA  

Entrepreneurship introduces students to a wide array of entrepreneurial concepts and skills, including the role of entrepreneurship in our economy, entrepreneurial discovery processes, ideation, and preliminary start-up venture planning. Students also develop an appreciation for marketing’s pivotal role in the development and success of a new business. They become acquainted with channel management, pricing, product/service management, and promotion. Students conduct thorough market planning for their ventures: selecting target markets; conducting market, SWOT, and competitive analyses; forecasting sales; setting marketing goals and objectives; selecting marketing metrics; and setting a marketing budget. The capstone activity in the course is the development of detailed business plans for students’ start-up businesses. *Participation in DECA or FBLA is required. Dues for DECA are $40.00 and/or dues for FBLA are $40.00.

PERSONAL FINANCE  
**1 Semester**  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Practical Arts or Elective)  
Grade: 9, 10, 11, 12  
Prerequisite: None  
*Fee: $40.00 for FBLA or $40.00 for DECA  

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. We will cover these topics: SAVINGS, INVESTING, CREDIT, DEBT, FINANCIAL RESPONSIBILITY, MONDAY MANAGEMENT, INSURANCE, RISK MANAGEMENT, INCOME, AND CAREERS. Every day, EVERY LESSON will matter. These will be lessons that will make a difference in the choices you make with your money every day of your life. *Pikes Peak Community College credits are available.
LEADERSHIP & COMMUNICATION
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)
*Fee: $40.00 for FBLA or $40.00 for DECA
This is a project-based course designed to help students develop leadership skills necessary for success in business careers through effective communications, problem-solving techniques, understanding emotional intelligence, operations, professional development and managing resources and meetings. The students will develop an understanding of the need for community service as part of their overall civic and professional responsibilities. This course is designed for students to identify, plan, implement, and develop a service-learning project based on the needs of the school and community. Throughout the course students will be presented with problem-solving situations for which they must apply academic knowledge, and critical thinking. Formal reflection is an on-going component of this course. DECA, FBLA, TSA, FCCLA officer teams strongly encouraged to participate in this program.

MARKETING and ADVERTISING 1, 2
Course Length: 2 Semesters
Credit per Semester: 1.0
(Practical Arts or Elective)
*Fee: $40.00 for DECA
This course offers the student the opportunity to explore career possibilities and gain knowledge and skills in marketing with an emphasis on advertising, selling and career opportunities. Students will learn how to "do" marketing by applying the seven functions of marketing: promotion, selling, product/service management, marketing-information management, pricing, distribution, and finance. Students interested in Advanced Marketing and the Marketing Internship should register for this course during their sophomore or junior year. College credit is available upon completion of course, with an A or B grade. Enrolling in this course, and joining DECA (required), enables students to participate in DECA competitive events. *Participation in DECA is required. Dues for DECA are $40.00.

SPORTS and ENTERTAINMENT MARKETING 1
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)
*Fee: $40.00 for FBLA or $40.00 for DECA
Sports and Entertainment Marketing is a unique and innovative course designed for students with an interest in the sports and entertainment industry. Instructional areas will include an orientation to the sports and entertainment industry, economics, event execution, career opportunities, decision making, event marketing, advertising and promotions, and legal aspects/contracts. Classroom instruction will be reinforced through the use of outside lectures, case studies, possible field trip experiences, current periodicals, computer simulations, in-house projects/internships, and lecture/discussions. An integral part of the program is the participation in our student professional organization, DECA or FBLA. Students will be encouraged to utilize the computer laboratory facilities on an individual basis and will be provided a variety of opportunities to learn about marketing through case studies and simulations.

SPORTS and ENTERTAINMENT MARKETING 2
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)
*Fee: $40.00 for FBLA or $40.00 for DECA
Sports and Entertainment Marketing is a unique and innovative course designed for students with an interest in the sports and entertainment industry. Instructional areas will include an orientation to the sports and entertainment industry, economics, event execution, career opportunities, decision making, event marketing, advertising and promotions, and legal aspects/contracts. Classroom instruction will be reinforced through the use of outside lectures, case studies, possible field trip experiences, current periodicals, computer simulations, in-house projects/internships, and lecture/discussions. An integral part of the program is the participation in our student professional organization, DECA or FBLA. Students will be encouraged to utilize the computer laboratory facilities on an individual basis and will be provided a variety of opportunities to learn about marketing through case studies and simulations.
SOCIAL IMPACT IN BUSINESS

Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

First Semester or Second Semester
Grade: 10, 11, 12
Prerequisite: None

Develop knowledge and understanding of the emerging 4th Sector of the Economy: Business exists to deliver value to our society. For the first time in our lifetime, we are seeing the emergence of a new sector, for profit businesses that work to make our world a better place (examples: Ben & Jerrys Ice Cream, Etsy, Patagonia). Social impact combines business strategies with purpose-based thinking. As more and more businesses and nonprofits move to this model, learn how you can apply this in your community and in your future. In this course students will explore concepts such as: Business Ownership; Intro to Social Impact; Business Ethics; Capitalism and Free Enterprise; History of Nonprofits. Learn how to create a sustainable business while doing good for communities. *Pikes Peak Community College credits are available.
The **one required credit** of Post-Secondary Work Force Readiness may be fulfilled by any of the classes in the Family & Consumer Science department. The following classes can also be used to fulfill the 11 credits of elective credit required for graduation.

**Catering**
**Child and Adolescent Development**
**Life Management**
**Interior Design**
**Introduction to Teaching thru Teacher Cadet 1, 2 H Pro-Start 1, 2; 3, 4**
**Culinary Arts**
**Social Dynamics (Relationships)**

<table>
<thead>
<tr>
<th>DISTRICT 11 GRADUATION REQUIREMENTS</th>
<th>HIGHER EDUCATION ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>The following courses can be used to fulfill the requirement for <strong>2 units of Academic Electives</strong> (2 years/4 semesters):</td>
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</tr>
<tr>
<td>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</td>
<td></td>
</tr>
<tr>
<td>Introduction to Teaching thru Teacher Cadet 1, 2 H Pro-Start 1, 2; 3, 4</td>
<td></td>
</tr>
</tbody>
</table>
## Doherty High School Family and Consumer Science
### Culinary Arts Plan of Study

**Principal**  
Lana Flenniken  
Supervising Assistant Principal  
Lauren Murphy  
**Instructors**  
Stephanie Ager  
Chris Flemr

<table>
<thead>
<tr>
<th>Grade</th>
<th>Core Curriculum</th>
<th>Pathway Curriculum</th>
<th>Postsecondary Options</th>
</tr>
</thead>
</table>
| 9th   | English 1, 2,  
      Algebra 1, 2 or Geometry 1, 2  
      Physical Science/Earth Science,  
      World History 1,2, PE  | Culinary Arts 1, 2 | The Culinary Arts programs at Community Colleges will articulate up to 12 credits. Dual credit or PSEO may be available for credit at four-year institutions and Colorado Community Colleges. |
| 10th  | English 3,4  
      Algebra 3,4, or Geometry 3,4  
      Biology 1, 2  
      US History 3, 4, Foreign Language, PE/Health | Catering 1, 2  
**Suggested CTE Electives:**  
Social Dynamics (Relationships) | Industry Recognized Certificates/Licenses:  
SERV Safe Certificate  
ProStart National Certification |
| 11th  | English 5, 6  
      US Government or SS Elective  
      Human Anatomy or Physics  
      Foreign Language | ProStart 1/2  
**Suggested CTE Electives:**  
Life Management  
Accounting  
Entrepreneurship | |
| 12th  | English Elective (2),  
      Economics, Math Elective,  
      Foreign Language | ProStart 3/4  
**Suggested CTE Electives:**  
Psychology  
Marketing | |

Above listed courses are the minimum requirements, Honors and/or Advance Placement courses in math and science are ideal but not required.

* Two years of the same foreign language are required to attend a four-year university in Colorado.

**++ Electives consist of classes from the following departments Art, Business, Family and Consumer Sciences. In addition to the pathway courses suggested elective are: Entrepreneurship (Business Management)**

**Career and Technology Student Organization: Family, Career and Community Leaders of America (FCCLA)**
CULINARY ARTS 1, 2  
**Course Length:** 2 Semesters  
**Credit per Semester:** 1.0  
*(PWR Credit or Elective)*  
**Grade:** 9, 10, 11, 12  
**Prerequisite:** None  
**Fee:** $50.00 for the year  
Culinary Arts develops lifelong skills in individuals including and understanding of cooking practices and techniques. This course offers opportunities to improve food preparation skills, strengthen practical critical decision-making and explore culinary choices. Emphasis is placed on working effectively and efficiently in a kitchen practicing essential cooking techniques and developing culinary skills for everyday use.

CATERING 1, 2  
**Course Length:** 2 Semesters  
**Credit per Semester:** 1.0  
*(PWR Credit or Elective)*  
**Grade:** 10, 11, 12  
**Prerequisite:** One of the following: Culinary Nutrition; Nutrition & Wellness; Food Science; Culinary Arts  
**Fee:** $50.00 for the year  
The purpose of this course is to expose students to various aspects of starting and owning a small catering business. Students integrate knowledge, skills and practices to evaluate potential career opportunities. Your focus will include food safety and sanitation practices, introduction to industry equipment, basic accounting, recipe and menu pricing, as well as marketing. You will integrate these skills through learning food preparation techniques and basic culinary skills as you carry out catering jobs.

PRO START  
**Course Length:** 2 Semesters  
**Credit per Semester:** 1.0  
*(PWR Credit or Elective)*  
**Grade:** 11, 12  
**Prerequisite:** One of the following: Culinary Nutrition; Nutrition & Wellness; Food Science; Culinary Arts; Catering  
**Fee:** $50.00 for the year  
This course provides the foundation skills required for students to proceed through the Pro Start two-year food service/hospitality management curriculum offered to high school junior and senior students. It is a nationally certified program that is based on the study of food preparation, lodging, customer service, and business management coupled with mentored industry work internship opportunities in a broad spectrum of operations. Industry Certifications: National Restaurant Association-SERV Safe Food Handler Certification. ProStart 1, 2 is taught alternately with ProStart 3, 4. Certificate of Achievement is available to students who complete both years of ProStart as well as pass the national examinations with a C or higher + 400 hours of mentored culinary experience.
## Doherty High School Family and Consumer Science
### Teaching Plan of Study

**Principal**  
Lana Flenniken  
Supervising Assistant Principal  
Lauren Murphy  
Instructors  
Stephanie Ager  
Chris Flemr

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<thead>
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<th>Grade</th>
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</thead>
</table>
| 9<sup>th</sup> | English 1,2  
Algebra 1, 2 or  
Geometry 1, 2, Physical  
Science/Earth Science, World  
History 1/2, PE | Culinary Arts 1,2  
*Suggested CTE Electives:  
Computer Applications* | The Colorado Community Colleges and many four-year institutions will accept Teacher Cadet for the Introduction to Teaching (EDU 221) course and/or field experience.  
3 college credits are available through CSU-Pueblo. |
| 10<sup>th</sup> | English 3, 4  
Algebra 3, 4, or  
Geometry 3, 4  
Biology 1,2  
US History 3, 4,  
Foreign Language  
PE/Health | Child & Adolescent Development  
Social Dynamics (Relationships) | |
| 11<sup>th</sup> | English 5, 6  
US Government or SS Elective  
Human Anatomy or Physics  
Foreign Language | Teacher Cadet 1  
*Suggested Elective:  
Psychology* | |
| 12<sup>th</sup> | English Elective (2),  
Economics, Math Elective,  
Foreign Language | Teacher Cadet Internship  
Life Management  
*Suggested Electives:  
Art  
Music  
Sociology* | |

Above listed courses are the minimum requirements, Honors and/or Advance Placement courses in math and science are ideal but not required.

* Two years of the same foreign language are required to attend a four-year university in Colorado.

**++** Electives consist of classes from the following departments Art, Business, Family and Consumer Sciences. In addition to the pathway courses suggested elective are: Entrepreneurship (Business Management)

**Career and Technology Student Organization:** Family, Career and Community Leaders of America (FCCLA)
CHILD and ADOLESCENT DEVELOPMENT

First or Second Semester
Course Length: 1 Semester
Grade: 10, 11, 12
Credit per Semester: 1.0
Prerequisite: None
(PWR Credit or Elective *Health)

Child & Adolescent Development explores the principles and theories of child growth and development from birth through adolescence. This course focuses on the physical, social, emotional and cognitive domains of development and their application to teaching and caring for children. This course utilizes RealCare Infant simulators to provide practical hands-on experiences with the curriculum. *Upon completion of Child and Adolescent Development AND Relationships, students are eligible to receive one district Health credit to replace either PWR credit or Elective. This will be done manually by registrars on the recommendation of the instructor.

SOCIAL DYNAMICS – (RELATIONSHIPS)

First or Second Semester
Course Length: 1 Semester
Grade: 10, 11, 12
Credit per Semester: 1.0
Prerequisite: None
(PWR Credit or Elective *Health)

In this highly interactive course students integrate knowledge, skills and practices required by individual and families to develop, manage, and strengthen intrapersonal, interpersonal, adult and family relationships. Emphasis is placed on human dynamics, effective communication and healthy interpersonal relationships. *Upon completion of Child and Adolescent Development AND Relationships, students are eligible to receive one district Health credit to replace either PWR credit or Elective. This will be done manually by registrars on the recommendation of the instructor.

LIFE MANAGEMENT

First Semester or Second Semester
Course Length: 1 Semester
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: None
(PWR or Elective)

Emphasis is on the practical needs of students for independent living. Basic living skills are taught which include financial goal setting and decision making, money management, earning and receiving, saving and investing, and spending. Consumer issues such as basic taxes and credit, insurance, smart consumer buying, and fraud protections are included.

TEACHER CADET PROGRAM

TEACHER CADET 1

Full Year (Offered 1st Semester or in a 2 Period Block)
Course Length: 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: None
(PWR or Elective)

Students will be involved in a fast paced, innovative hands-on curriculum where they gain knowledge about teaching and learning. The teacher cadet will develop and master effective skills that will be helpful in college and beyond, such as presentation, public speaking, writing, communication and reasoning skills. This is a yearlong HONOR’S ELECTIVE where each student will make a difference with children as they "try out" teaching in a "mini-student teaching" experience.

TEACHER CADET 2 INTERNSHIP

Full Year (Can be completed in 1 Semester with a 2 Period Block)
Course Length: 2 Semesters
Grade: 12
Credit per Semester: 1.0
Prerequisite: Completion of TC 1 with an A or B and Teacher Approval
(PWR or Elective)

Teacher Cadet 2 is designed to provide additional field experience for those students who have successfully completed the Teacher Cadet 1 course. For students who know they want to enter the education profession, this field experience will enhance their experience and understanding of classroom instruction and challenges facing education today.
<table>
<thead>
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<td>Algebra 1, 2 or</td>
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<td></td>
<td>Geometry 1, 2, Physical</td>
<td>Computer Applications</td>
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<td></td>
<td>Geometry 3, 4</td>
<td>Life Management</td>
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<td></td>
<td>Biology 1,2</td>
<td>Architectural Drawing 3,4</td>
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<td>US History 3, 4, Foreign</td>
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<td>Language PE/Health</td>
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<td>Psychology</td>
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<td>Foreign Language</td>
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<td></td>
<td>Foreign Language</td>
<td>Business &amp; Marketing</td>
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<td>Accounting</td>
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Above listed courses are the minimum requirements, Honors and/or Advance Placement courses in math and science are ideal but not required.

* Two years of the same foreign language are required to attend a four-year university in Colorado.

** Electives consist of classes from the following departments Art, Business, Family and Consumer Sciences. In addition to the pathway courses suggested elective are: Entrepreneurship (Business Management)

**Career and Technology Student Organization: Family, Career and Community Leaders of America (FCCLA)**
INTERIOR DESIGN

Course Length: 2 Semesters
Credit per Semester: 1.0
Grade: 10, 11, 12
Prerequisite: None
(PWR Credit or Elective, *Computer Education)  
Fee: $10.00 for the year

This course focuses on career awareness and introductory skills necessary for occupations related to the field of interior design. Both residential and commercial designs are areas of focus. Students will gain an understanding of the elements and principles of design and utilize them to create living spaces. They will learn to analyze a client’s needs and select appropriate finishes, colors, fabric, furnishing, lighting and furniture. Technology is an important part of this course through the use of computer design programs. This program requires 2 semesters to complete. *Additional Credit Information: At the completion of the second semester two credits are available to include one credit for PWR or elective and one computer credit.
Semester Credit Options

<table>
<thead>
<tr>
<th>Satisfactory Class Work = 1 Credit</th>
<th>OR</th>
<th>Satisfactory Class Work = 1 Credit</th>
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<tbody>
<tr>
<td>+</td>
<td></td>
<td>+</td>
</tr>
<tr>
<td>135 Hours of Successful Work = 1 Credit</td>
<td></td>
<td>270 Hours of Successful Work = 2 Credits</td>
</tr>
<tr>
<td><strong>Total: 2 Credits</strong></td>
<td></td>
<td><strong>Total: 3 Credits</strong></td>
</tr>
</tbody>
</table>

* You can earn a maximum of 3 total credits per semester

**ALTERNATIVE COOPERATIVE EDUCATION (ACE) 1**

First Semester
Course Length: 1 Semester
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

This course is taken concurrently with ACE Work 1. The Alternative Cooperative Education (ACE) 1 Program is a one-semester class designed to enhance employment related skills for secondary students. This course explores student vocational interests and education goals. It also teaches the necessary job skills to get a job such as phone skills, applications, resumes and various other units. Students are encouraged to have a job and will provide their own transportation to and from their job.

**ALTERNATIVE COOPERATIVE EDUCATION (ACE) 2**

Second Semester
Course Length: 1 Semester
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Successful completion of ACE 1 or counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

This course is taken concurrently with ACE Work 2. The Alternative Cooperative Education (ACE) 2 Program is a one-semester class designed to enhance employment related skills for secondary students. This course covers paychecks, taxes, social security, employment goals, and various other units. It also teaches the necessary job skills to keep a job. Students are encouraged to have a job and will provide their own transportation to and from their job.

**ALTERNATIVE COOPERATIVE EDUCATION (ACE) 3**

First Semester
Course Length: 1 Semester
Grade: 12
Credit per Semester: 1.0
Prerequisite: Successful completion of ACE 2 or counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

This course is taken concurrently with ACE Work 3. The Alternative Cooperative Education (ACE) 3 Program is a one-semester class designed to enhance consumer related skills for the job and for living on your own. This course covers budgeting, credit, insurance, investments, buying a car and various other units. Students are encouraged to have a job and will provide their own transportation to and from their job.

**ALTERNATIVE COOPERATIVE EDUCATION (ACE) 4**

Second Semester
Course Length: 1 Semester
Grade: 12
Credit per Semester: 1.0
Prerequisite: Successful completion of ACE 3 or counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

This course is taken concurrently with ACE Work 4. The Alternative Cooperative Education (ACE) 4 Program is a one-semester class designed to enhance employment related skills for secondary students. This course covers entrepreneurship, time management, ethics, teamwork, relationships at work and various other units. Students are encouraged to have a job and will provide their own transportation to and from their job.
ALTERNATIVE COOPERATIVE EDUCATION WORK (ACE) 1
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

First Semester
Grade: 11. 12
Prerequisite: Counselor and instructor recommendation; Required to be taken concurrently with ACE class

This course is taken concurrently with ACE 1. Students can earn a maximum of 2 elective credits for 270 documented hours of work, or 1 elective credit for 135 hours of documented work. Job Evaluations are done on a quarterly basis regarding the student’s progress with their employer. Documented volunteer and/or internship hours can be counted toward work credit but have to be pre-approved by the instructor each semester.

ALTERNATIVE COOPERATIVE EDUCATION WORK (ACE) 2
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

Second Semester
Grade: 11. 12
Prerequisite: Successful completion of ACE Work 1 or counselor and instructor recommendation: Required to be taken concurrently with ACE class

This course is taken concurrently with ACE 2. Students can earn a maximum of 2 elective credits for 270 documented hours of work, or 1 elective credit for 135 hours of documented work. Job Evaluations are done on a quarterly basis regarding the student’s progress with their employer. Documented volunteer and/or internship hours can be counted toward work credit but have to be pre-approved by the instructor each semester.

ALTERNATIVE COOPERATIVE EDUCATION WORK (ACE) 3
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

First Semester
Grade: 12
Prerequisite: Successful completion of ACE Work 2 or counselor and instructor recommendation: Required to be taken concurrently with ACE class

This course is taken concurrently with ACE 3. Students can earn a maximum of 2 elective credits for 270 documented hours of work, or 1 elective credit for 135 hours of documented work. Job Evaluations are done on a quarterly basis regarding the student’s progress with their employer. Documented volunteer/and or internship hours can be counted toward work credit but have to be pre-approved by the instructor each semester.

ALTERNATIVE COOPERATIVE EDUCATION WORK (ACE) 4
Course Length: 1 Semester
Credit per Semester: 1.0
(Practical Arts or Elective)

Second Semester
Grade: 12
Prerequisite: Successful completion of ACE Work 3 or counselor and instructor recommendation: Required to be taken concurrently with ACE class

This course is taken concurrently with ACE 3, 4. Students can earn a maximum of 2 elective credits for 270 documented hours of work, or 1 elective credit for 135 hours of documented work. Job Evaluations are done on a quarterly basis regarding the student’s progress with their employer. Documented volunteer/and or internship hours can be counted toward work credit but have to be pre-approved by the instructor each semester.
### District 11 Graduation Requirements

The 8 required credits of English include specifically English 3/4 and English 5/6.

- English 1,2; 3,4; 5,6; 7,8
- English 1,2 H; 3,4 H; 5,6 H; 7,8 H
- Language & Composition AP
- English 7,8 (Literature) AP

The following classes can also be used to fulfill the 11 credits of elective credit required for graduation but will not meet the CCHE requirements for college admission:

- Forensics 1,2; 3,4; 5,6; 7,8
- Journalism 1,2
- Yearbook 1,2; 3,4; 5,6; 7,8

### Higher Education Admission Requirements

The following courses can be used to fulfill the requirement for 4 units of English, two of which must emphasize writing, grammar and composition skills (4 years/8 semesters):

- Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.
- English 1,2; 3,4; 5,6; 7,8
- English 1,2 H; 3,4 H; 5,6 H; 7,8 H
- Language & Composition AP
- English 7,8 (Literature) AP

**Note:** 2 units of ESL English may count for the Higher Education Admission Requirements when combined with 2 units of successfully completed college preparatory English.

The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters) but will not fulfill any required English credits for graduation:

- Forensics 1,2; 3,4; 5,6; 7,8
- Journalism 1,2
**ENGLISH**

**PRE-AP ENGLISH 1,2 or PRE-AP ENGLISH 1,2 H**

*Full Year*
Course Length: 2 Semesters
Credit per Semester: 1.0
(English Requirement or Elective)
Grade: 9
Prerequisite: None
**Teacher/counselor approval**

This course focuses on the close observation and analysis of texts, evidenced-based writing, higher order questioning, academic conversations, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers. Texts take center stage in the classroom, where students engage in close, critical reading of a wide range of materials. This course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences as the foundation for writing to facilitate complex thinking and communicate ideas clearly.

**PRE-AP ENGLISH 3,4**

*Full Year*
Course Length: 2 Semesters
Credit per Semester: 1.0
(English Requirement or Elective)
Grade: 10
Prerequisite: Recommended English 1,2

This required course for sophomores builds on the foundation of English 1,2 and focuses on reading closely, valuing evidence, noticing language choices, and composing analytical writing with clarity of ideas and correctness of mechanics. Students will apply those skills to a variety of texts to include novels, plays, poems, short stories, and arguments. As readers, students develop an awareness of how the poet, playwright, novelist, and writer of nonfiction alike can manipulate language to serve their unique purposes.

**PRE-AP ENGLISH 3,4 H**

*Full Year*
Course Length: 2 Semesters
Credit per Semester: 1.0
(English Requirement or Elective)
Grade: 10
Prerequisite: English 1,2 and recommendation of freshman teacher and counselor

This is the second in a four-step program for highly motivated, capable students willing to study a broad sampling of literary materials with emphasis on conceptual and critical skills in reading, writing, and discussion. The sequence is designed to provide both instruction in higher-level skills and the opportunity to take Advanced Placement in the senior year. This course builds on the foundation of Honors English 1,2 and focuses on reading closely, valuing evidence, noticing language choices, and composing analytical writing with clarity of ideas and correctness of mechanics. Students will apply those skills to a variety of texts to include novels, plays, poems, short stories, and arguments. As readers, students develop an awareness of how the poet, playwright, novelist, and writer of nonfiction alike can manipulate language to serve their unique purposes. Summer reading may be required.

**ENGLISH 5,6**

*Full Year*
Course Length: 2 Semesters
Credit Per Semester: 1.0
(English Requirement or Elective)
Grade: 11
Prerequisite: Recommended English 3,4

General and college preparatory students will build upon skills learned during the sophomore year by the study of genre, form and structure, literary devices and recognition of the characteristics of a literary work. A major focus of the course will be an intense study of composition and grammar. Discussion and speech activities are incorporated into the program.

**ENGLISH 5,6 H**

*Full Year*
Course Length: 2 Semesters
Credit Per Semester: 1.0
(English Requirement)
Grade: 11
Prerequisite: English 3,4 Honors and recommendation of sophomore teacher

This third course in the honors sequence prepares motivated, capable students for Advanced Placement in the senior year through rigorous writing and discussion of a body of sophisticated literature. Summer reading will be required.
ENGLISH 7,8
Course Length: 2 Semesters
Credit Per Semester: 1.0
(English Requirement)

This course will provide a full year growth in the standards and skills required for success in college and careers. English 7 emphasizes nonfiction reading and writing. Successful completion will prepare students to enter two or four-year colleges with the skills needed to be immediately successful in post-secondary freshmen composition courses. The final assessment will consist of a writing portfolio of at least four writings to include one research paper or other extended writing project. English 8 will focus on the study of literature. The writing emphasis will be on literary analysis, and readings must include foundational works of world and/or British literature. English 8 will include a project allowing for student choice in a research-oriented project, culminating in a multi-genre project/presentation on a topic of individual interest.

ENGLISH 7,8 H*
Course Length: 2 Semesters
Credit Per Semester: 1.0
(English, Humanities or Elective)

This course will provide a year-long college curriculum and is taught concurrently with a regional four-year university. English 7H is the first semester College Composition course, fulfilling college writing, participation and attendance expectations. English 8H is a freshman “Introduction to Literature” course emphasizing the study and analysis of fiction, poetry and drama.

ADVANCED PLACEMENT ENGLISH 7,8*
Course Length: 2 Semesters
Credit per Semester: 1.0
(English Requirement)

As the culminating course in the honors sequence, this class emphasizes skills in literary analysis, critical writing and techniques of literary research. Work will be directed to the college freshman level and will provide, through a combination of seminar discussion and independent study and writing, the background skills necessary to take the National Advanced Placement Examination. Depending upon the scores achieved on the national test in May a student may receive college credit or placement. Summer reading will be required.

YEARBOOK
Course Length: Up to 8 Semesters
Credit per Semester: 1.0
(Humanities or Elective)

The yearbook staff produces the school yearbook, which entails planning pages, drawing layouts, gathering information, writing copy and composing pages for the sections of the book with the guidance of the instructor. Ordering, cropping, placing photographs and selling ads are the duties of editors and staff. Experienced, dependable photographers are needed. Applicants for the editorial staff should be able to write effectively, to do neat work and to meet deadlines. Interested students must get an application from instructor.

SPOKEN WORD LANGUAGE ARTS
Course Length: 1 Semester
Credit per Semester: 1.0
(Humanities or Elective)

This course discusses, evaluates, and analyzes past and present song lyrics, speeches, slam poems, poets and styles both on the page as well as in performance. Students will gain the skills to write well-crafted poems (imagistic, personal, and evocative) and employ the performance style that will best serve the theme and voice of each piece.
JOURNALISM (Course Video)  
Full Year  
Course Length: Up to 6 Semesters  
Grade: 9, 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: None  
(Humanities or Elective)  
The newspaper course is a laboratory-workshop class of students responsible for the publication of the school newspaper. Each staff member assumes and/or delegates responsibility for the following: reporting and writing assigned stories, planning page layouts and content, assigning and taking pictures and copy-proofreading stories. These responsibilities are determined by the staff member's position.
The 6 required credits of Math can be fulfilled by any of the classes in the Mathematics department.

<table>
<thead>
<tr>
<th>DISTRICT 11 GRADUATION REQUIREMENTS</th>
<th>HIGHER EDUCATION ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-AP Algebra 1,2</td>
<td>The following courses can be used to fulfill the requirement for Mathematics which must be at the level of Algebra 1 and higher (4 years/8 semesters):</td>
</tr>
<tr>
<td>Pre-AP Algebra 1,2 H</td>
<td>Any Honors, Advanced Placement, or college-level courses.</td>
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<tr>
<td>Algebra 3,4</td>
<td>Pre-AP Algebra 1,2</td>
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<tr>
<td>Algebra 3,4 H</td>
<td>Pre-AP Algebra 1,2 H</td>
</tr>
<tr>
<td>Calculus AB 1 AP</td>
<td>Algebra 3,4</td>
</tr>
<tr>
<td>Calculus 2 AP</td>
<td>Algebra 3,4 H</td>
</tr>
<tr>
<td>Consumer Math 1,2</td>
<td>Calculus AB 1 AP</td>
</tr>
<tr>
<td>Pre-Algebra</td>
<td>Calculus 2 AP</td>
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<tr>
<td>Functions/Stats/Trigonometry 1,2</td>
<td>Functions/Stats/Trigonometry 1,2</td>
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<tr>
<td>Pre-AP Geometry 1,2</td>
<td>Pre-AP Geometry 1,2</td>
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<td>Pre-AP Geometry 1,2 H</td>
<td>Pre-AP Geometry 1,2 H</td>
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<tr>
<td>Integrated Algebra/Geometry 1,2</td>
<td>Integrated Algebra/Geometry 1,2</td>
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<tr>
<td>Pre-Calculus 1,2 H</td>
<td>Pre-Calculus 1,2 H</td>
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<tr>
<td>Math Analysis/Trigonometry 1,2</td>
<td>Math Analysis/Trigonometry 1,2</td>
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<td>Statistics AP</td>
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<td>Statistics</td>
<td>Statistics AP</td>
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</tbody>
</table>

Note: When Algebra 1,2 content is extended beyond one year, only 1 unit of the Higher Education Admission Requirements is met. College-preparatory ESL mathematics courses that include content and academic rigor/level comparable to acceptable courses listed may satisfy the Higher Education Admission Requirements.
The following mathematical courses conform to the latest recommendation of the National Council of Teachers of Mathematics (NCTM) standards and the Colorado Springs District 11 Mathematics Standards. The classes follow the approach of making mathematics relevant by using math skills in a problem-solving environment.

**PRE ALGEBRA 1,2 First of Second Semester**
Course Length: 1 Semester
Credit per Semester: 1.0
(Prerequisite: None)

This course is intended to be used only as a first-semester intervention for students who are not yet prepared to enroll in the District’s Algebra 1-2 course. This course condenses the District’s two-semester course, Foundations in Algebra 1-2, into a one-semester course. Therefore, students may not receive credit for both Pre-Algebra & Foundations of Algebra 1-2, (or any other course designated as pre-algebra). Topics studied in this course will include further development of number sense, including arithmetic with rational numbers & integers; algebraic expressions, equations & inequalities; & an introduction to numeric, algebraic & graphical representations of linear functions. This course does not contribute to meeting the District’s graduation requirement of first-year algebra. This course is intended to precede student’s enrollment in Algebra 1 (in the second semester) & then enrollment in Algebra 2A an Algebra 2B (in the following year) to fully meet the District’s graduation requirement of first-year algebra. This course does not satisfy CCHE college entrance requirements & this course is not approved by the NCAA Eligibility Center.

**PRE-AP ALGEBRA 1,2 or PRE-AP ALGEBRA 1,2 H**
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: None)

This course will focus deeply on the concepts and skills that are most essential for college and career success, so mastery of linear relationships is a major focus of this course. Linear functions and linear equations are the basic building blocks of many advanced topics in math, and this course is streamlined to give students the time and space to thoroughly master these concepts and skills. The course emphasizes building conceptual understanding, building procedural fluency, creating, analyzing, and using mathematical models, and crafting mathematical arguments.

**INTEGRATED ALGEBRA/GEOMETRY Full Year**
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Algebra 1,2 or the equivalent)

Integrated Algebra/Geometry serves as a bridge class between Algebra and Geometry. Focus is on the reinforcement of Algebraic skills and their applications as well as preparing students for success in Geometry. Emphasis involving critical thinking skills, analysis of information, and decisions on how best to problem solve is reinforced through group work, inquiry, and personalization. In addition, this course will facilitate preparation for high stakes testing (SAT, ACT, ASVAB).

**ALGEBRA 2A – 2B Full Year**
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Completion of Algebra 1)

This course is the regular Algebra 2 curriculum split into 2 semesters for a slower paced course. It deals with the fundamental concepts of Algebra focusing on a review of solving equations and linear functions. The majority of the course will include inequalities, systems of equations, quadratic functions, radicals and real numbers; including operations of polynomials and factoring. The basic theory of this class is to provide students with learning opportunities by repeated practice on topics, so they will be able to reach mastery. Students successful in this course will be ready for geometry next year.
ALGEBRA 3,4*  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
Prerequisite: Geometry 1,2; Algebra 1,2  
Grade: 10, 11, 12  
(Math Requirement or Elective)  
Success in this course depends in a large part on success in Algebra 1,2. Many applications will be offered. All of the concepts of Algebra 1,2 will be reinforced through mathematical theory and an application of mathematics in new situations. The concepts include open sentences in one, two, and three variable and factoring of polynomials, quadratics, exponential and logarithms matrices, complex numbers, trigonometry, probability, and statistics. Emphasis will be on ACT concepts. Graphing calculators are required for this course. TI84 Plus or Silver Edition graphing calculators are recommended.

ALGEBRA 3,4 H*  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
Prerequisite: Geometry 1, 2 H and teacher approval  
Grade: 9, 10, 11, 12  
(Math Requirement or Elective)  
Students who are planning to take Pre-Calculus and AP Calculus should take this class. The concepts developed in Algebra 1,2 are reviewed, strengthened, and enriched. A special project may be required. The following concepts are included: Complex number system, Logarithmic and exponential functions, Systems of equations, Analytic geometry, Conic sections, Polynomial functions, Matrices, Determinants, Probability, Trigonometry. A student planning a career in mathematics or math-related fields should seriously consider taking this course. Graphing calculators are required for this course. TI84 Plus or Silver Edition graphing calculators are recommended.

PRE-AP GEOMETRY 1,2*  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
Prerequisite: Algebra 1,2  
Grade: 10, 11  
(Math Requirement or Elective)  
This course introduces students to the process of logical reasoning through the use of inductive and deductive reasoning in geometry. (Including transformational and coordinate geometry.) Topics include geometric vocabulary and theorems, measurement, angles, lines, planes, polygons, circles, probability and statistics, proportional reasoning, right triangle trigonometry, formal proofs, triangle congruence, and coordinate proofs. It will provide students with the basic concepts involving geometric figures and emphasize the numerical relationships among them. A scientific calculator is required – TI84 is recommended.

PRE-AP HONORS GEOMETRY 1,2 *  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
Prerequisite: Algebra 1,2 and teacher approval  
Grade: 9, 10  
(Math Requirement or Elective)  
This course is a formal study of the geometric properties of the Euclidean plane and selected topics in 3-dimension space. Students use calculators, computers, and manipulatives to study the property of shapes and forms. They will use inductive and deductive reasoning and transformational and coordinate geometry in a formal way to study polygons, polyhedra and their algebraic descriptions. There may be additional work required to enrich the geometry topics. Graphing calculators are recommended for this course. TI84 Plus or Silver Edition graphing calculators are recommended.

FUNCTIONS/STATISTICS/TRIGONOMETRY 1,2*  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
Prerequisite: Algebra 3,4  
Grade: 11, 12  
(Math Requirement or Elective)  
Objectives of this course are to review and reinforce algebraic concepts and to extend these concepts by an in-depth study of functions. Trigonometry is covered both from the functional concept and from the practical viewpoint. The student is introduced to circular functions, identities, graphs of circular functions, inverse functions, and solution of triangles including the laws of sines and cosines. Graphing calculators are required for this course. TI84 Plus or Silver Edition graphing calculators are recommended.
MATH ANALYSIS/TRIGONOMETRY 1,2*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Algebra 3, 4 or equivalent)
The purpose of this course is to prepare students for Pre-Calculus. This course offers an analytical and cohesive study of concepts introduced in previous courses and introduces new topics such as graphing trigonometric functions, trigonometric identities, vectors, parametric equations, and polar coordinates. Graphing calculators are recommended for this course. TI84 Plus or Silver Edition graphing calculators are recommended.

PRE-CALCULUS 1,2 H*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Algebra 3, 4 H and Teacher Approval)
The student who is planning to take AP Calculus should take this course. This course offers an analytical and cohesive study of concepts introduced in previous course and introduces new topics such as functions, vectors, analytic geometry, and probability. Theory and rigor are stressed. A special project may be required. Graphing calculators are required for this course.

CALCULUS AB ADVANCED PLACEMENT 1*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Pre-Calculus 1,2 H and Teacher Approval)
This course deals with all concepts of Pre-Calculus that includes, but is not limited to, functions and graphs, logarithms and trigonometric functions. Calculus topics include the calculation and uses of limits and continuity. It also centers on derivatives and their applications, integration and its uses to include net change, area and volume. A graphing calculator is required (TI84Plus is recommended). A project is required for the course.

CALCULUS ADVANCED PLACEMENT 2*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Calculus AB AP 1 and Teacher Approval)
This course is an extension of Calculus AB. This course will cover transcendental functions (these are functions that are not algebraic, such as: trigonometric, inverse trigonometric, exponential and logarithmic), techniques and applications of integration, Taylor’s Theorem, improper integrals, infinite series, analytic geometry and polar coordinates. A graphic calculator is required for this class.

STATISTICS 1, 2*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Prerequisite: Algebra 3, 4)
This course is a non-advanced placement, two-semester introductory study of statistics. It emphasizes developing conceptual understanding and application of fundamental statistical ideas and reasoning. Students will be introduced to how statisticians contribute to our understanding of the world and how statistical thinking is relevant to diverse fields such as medicine, education, environmental science, business, psychology, sports, and politics. This course will help students become more discerning consumers of the statistics they encounter in any area. Course topics include basic concepts of statistics and probability including conditional probability and probability distributions, principals of designing experiments, surveys and samples, describing and mathematically modeling distributions of data, drawing inferences through statistical testing including confidence intervals and us of chi square tests. Students will regularly use statistical software and graphing calculators to represent, manipulate and analyze data sets. This course meets, or exceeds, all high school data analysis, statistics and probability standards represented in the Colorado Academic Standards for Mathematics.
STATISTICS ADVANCED PLACEMENT 1, 2*

Course Length: 2 Semesters
Credit per Semester: 1.0
(Math Requirements or Elective)

*Full Year
Grade: 11, 12
Prerequisite: Algebra 3,4 or equivalent and teacher approval

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Observing patterns and departures from patterns
2. Planning a Study: Deciding what and how to measure
3. Anticipating Patterns: Producing models using probability theory and simulation
4. Statistical Inference: Confirming models

Students who successfully complete the course and examination may receive credit, advanced placement or both for an introductory college statistics course. This course will be valuable to those students who plan to attend college regardless of their major. Most college majors such as: social sciences, education, engineering, health sciences, mathematics, business, and actuarial science typically require statistics. Students with the appropriate mathematical background, ability to communicate ideas in writing and interest are encouraged to take AP Statistics. Graphing calculators are required for this course. TI84 Plus or Silver Edition graphing calculators are recommended.

CONSUMER MATHEMATICS 1,2

Course Length: 2 Semesters
Credit per Semester: 1.0
(Math Requirement or Elective)

This course is designed to meet the needs of a young adult in the realm of consumer mathematics. Major topics include budgeting, housing, banking, income tax, insurance, credit, and investments. The course is divided into two non-sequential semesters, so a student may take either one or both. Scientific calculators are required for this course.

Full Year
Grade: 12
Prerequisite: Teacher approval only

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### District 11 Graduation Requirements

The **two semesters of Humanities** credit may be fulfilled by any of the classes in the Music/Performing Arts department. The following classes can also be used to fulfill the 11 credits of elective credit required for graduation.

<table>
<thead>
<tr>
<th>Class</th>
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<tbody>
<tr>
<td>Chamber Orchestra 1,2</td>
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<tr>
<td>Jazz Ensemble 1,2; 3,4</td>
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<tr>
<td>Marching Band</td>
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<tr>
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<tr>
<td>Wind Symphony 1,2</td>
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<tr>
<td>Percussion Ensemble 1,2</td>
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<tr>
<td>Acappela Choir</td>
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<tr>
<td>Chamber Singers 1,2</td>
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<tr>
<td>SSSA (Eclectic Choir)</td>
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<tr>
<td>Jazz/Show Choir 1,2</td>
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<tr>
<td>Tenor, Tenor Baritone/Bass Choir 1,2</td>
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<tr>
<td>Advanced Acting 1,2</td>
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<tr>
<td>Introduction to Theatre 1,2</td>
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<tr>
<td>Tech Theater/Intermediate Theater</td>
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<tr>
<td>Color Guard</td>
</tr>
</tbody>
</table>

### Higher Education Admission Requirements

The following courses can be used to fulfill the requirement for **2 units of Academic Electives** (2 years/4 semesters):

- **Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.**

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</tbody>
</table>
PERFORMING ARTS

INSTRUMENTAL MUSIC

INSTRUMENTAL MUSIC  Students enrolled in any of the following may participate in the solo and ensemble festival. Any or all of the following classes will schedule concerts at the discretion of the director. Instrumental groups are described on the following pages.

MARCHING BAND  First Semester
Honors Credit Optional  Grade: 9, 10, 11, 12
Course Length: 1 Semester  Prerequisite: Previous band experience
Credit per Semester: 1.0  (Humanities or Elective)

The Spartan Legion Marching Band meets as an 8th hour class after school. All students are required to participate in either Symphonic Band or Wind Ensemble. Marching Band performs at the half time of all home football games. The director may choose to participate in college-sponsored band days, regional/state contests as approved by CBA or CHSAA. Students will be required to attend Band Camp. Freshmen and new students are required to attend the New Student Workshop at the beginning of the summer. Students are expected to attend extra sectional and full band rehearsals as needed throughout the school year, as well as summer rehearsals in June. This band performs for school and community events throughout the school year. Attendance at scheduled performances is required and is considered part of the student’s grade. Contact the band office for details of summer rehearsals and band camps (719-328-6428). The Participation Fee is $250.

CONCERT BAND  Full Year
Honors Credit Optional  Grade: 9, 10, 11, 12
Course Length: 1 Semester  Prerequisite: Previous band experience
Credit per Semester: 1.0  (Humanities or Elective)
Encouraged but not required

Concert Band is our entry-level high school concert ensemble. Auditions are not required to participate. Previous band experience is encouraged but not a requirement. Families with students starting on an instrument for the first time should conference with the director prior to the start of the school year to ensure the most success for the student. Musical selections are geared to the member’s abilities with emphasis being placed on improvement of tone quality, music literacy skills, technical proficiency, and artistic expression. Concert Band may participate at music festivals and contests at the discretion of the director. This band performs for school and community events throughout the school year. Attendance at scheduled performances is required and is considered part of the student’s grade. Concert Band members also participate in Pep Band during the spring semester.

WIND SYMPHONY  Full Year
Honors Credit  Grade: 10, 11, 12
Course Length: 1 Semester  Prerequisite: Previous band experience and successful audition and selection into ensemble
Credit per Semester: 1.0  (Humanities or Elective)
Additional fees may be required

Wind Symphony is our advanced-level high school concert ensemble. Auditions are required to be considered for a position with this ensemble. Musical selections are geared to the member’s abilities with emphasis being placed on improvement of tone quality, music literacy, skills, technical proficiency, and artistic expression with repertoire more technically and artistically demanding than Symphonic Band. This ensemble may participate at music festivals and contests at the discretion of the director and performs for school and community events throughout the school year. Attendance at scheduled performances is required and is considered part of the student’s grade. Wind Symphony members also participate in Pep Band during spring semester.
JAZZ ENSEMBLE  
Honors Credit Optional  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)  

Grade: 9, 10, 11, 12  
Prerequisite: By audition only  
Must be co-enrolled Marching Band, Concert Band, Symphonic Band or Wind Symphony  
Additional fees may be required  

Jazz Ensemble meets as a zero hour class before school. Students must be enrolled in either Marching Band, Symphonic Band or Wind Symphony. Students will gain experience in diverse musical styles and build improvisational skills while investigating the historical and multi-cultural roles of jazz music. Basic instrumentation includes saxophone, trumpet, trombone, piano, bass, guitar, and drum set, but other instrumentation may also join after speaking with the director. This ensemble may participate at music festivals and contests at the discretion of the direction and performs for school and community events throughout the school year. Attendance at scheduled performances is required and is considered a part of the student’s grade. Jazz Ensemble members will also participate in Pep Band during the spring semester.

PERCUSSION ENSEMBLE 1, 2  
Honors Credit Optional  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)  

Grade: 9, 10, 11, 12  
Prerequisite: Previous percussion, piano, or other music experience  
Additional fees may be required  

Students in this class will study basic, through advanced percussion techniques. They will have an opportunity to study concert percussion, marching percussion, drum set, and world percussion. Students will gain experience in diverse musical styles while investigating the historical and multi-cultural roles of percussion in music. Students will audition for a concert ensemble (Concert Band, Symphonic Band, or Wind Symphony) in the fall semester, and will prepare music for concert ensembles as well as the percussion ensemble itself. This ensemble may participate at music festivals and contests at the discretion of the director and performs for school and community events throughout the school year. Attendance at scheduled performances is required and is considered part of the student’s grade. Percussion Ensemble members will also participate in Pep Band during the spring semester.

SYMPHONIC ORCHESTRA 1, 2  
Honors Credit Optional  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)  

Grade: 9, 10, 11, and 12  
Prerequisite: 3 years of playing experience in orchestra or 2-year private lessons  

Symphonic orchestra is a course offering instruction on stringed instruments and technique in a group situation. An emphasis will be placed on the improvement of ensemble playing, instrument technique, intonation and rhythm. This orchestra performs four times yearly during school concerts. Attendance at scheduled performances is required and is considered part of the student’s grade.

CHAMBER ORCHESTRA 1, 2  
Honors Credit Optional  
(Substantive additional projects will be required.)  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)  

Grade: 9, 10, 11, and 12  
Prerequisite: By audition or Teacher approval only  

Chamber Orchestra is a course offering advanced instruction on stringed instruments and technique in a group situation. An emphasis will be placed on the improvement of ensemble playing, instrument technique, and musical nuance. Students selected for chamber orchestra demonstrate an above-average understanding of their instrument and display a high level of musical sophistication through their performance. This orchestra performs four times yearly during school concerts. Wind and percussion players may be added when needed. Attendance at scheduled performances is required and is considered part of the student’s grade.
VOCAL MUSIC

CONCERT CHOIR
Honors Credit Optional
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: None
Accompanist Fees Required

Concert choir is a non-auditioned, Level I high school vocal music class. This choir is a mixed (open to women and men) choir for students without previous choral experience. This ensemble will experience singing a wide variety of choral literature styles and participate in major concerts. This choir may perform in the State Festival Contest.

SSA (ECLECTIC CHOIR)
Honors Credit Optional
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 10, 11, 12
Prerequisite: Audition 9th grade by director approval only
Uniform Fees Required

Eclectic is an auditioned Level III high school vocal music class. This choir is an advanced women’s choir that sings three- and four-part women’s music from different time periods, genres and styles. This ensemble will experience singing a wide variety of choral literature and styles and participate in all choirs. Eclectic also performs at a variety of festivals during the year. This course may be taken for Honors Credit.

CHAMBER SINGERS (ODYSSEY)
Honors Credit Optional
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 10, 11, 12
Prerequisite: Audition 9th grade by director approval only
Uniform Fees Required

Odyssey is an auditioned Level IV high school vocal music class. The Odyssey Singers is a highly select choir for students with previous choral experience. This ensemble will experience singing a wide variety of choral literature and styles and participate in major concerts. This choir participates in a variety of festivals in state and nationally and also participates in the District 11 Honor Choir. This course may be taken for Honors Credit.

JAZZ/SHOW CHOIR
Honors Credit Optional
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: Level III vocal music or instructor approval
Uniform Fees Required

This is a Level III high school vocal music class. Students must audition to be enrolled in this class. This choral ensemble performs show tunes, swing, and popular music some of which may be set to choreography. Knowledge of and ability to perform music at Level III or beyond is expected. The ability to use expressive elements in a performance, to read complex musical notation appropriate to Level III, and the ability to identify and understand the differences in musical structure and the importance of both concepts.

MEN’S CHOIR 1,2 (Tenor/Baritone/Bass)
Honors Credit Optional
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: None
Additional Fees may be Required

This choir is open to tenors, baritones, and basses with or without previous choral experience. This choir performs in school and community concerts during the school year. The choir provides an opportunity for the students to develop vocal skills, and musical knowledge as well as perform literature written for tenor, baritone, and bass voices.
DANCE COMPOSITION & CHOREOGRAPHY

Course Length: 1 Semester
Credit per Semester: 1.0

Grade: 9, 10, 11, 12
Prerequisite: None

(Full Year)
(Humanities or Elective)

This one semester lab provides a forum for dance students who want to explore dance composition and choreography. Students will study the various methods used in creating a structured dance work and use these techniques and devices to compose creative dance works of their own. While students are encouraged to enjoy creative expression, this course will demand a high level of effort and commitment. Students will be expected to dress-out.
THEATRE

INTRODUCTION TO THEATRE 1,2
Full Year
Course Length: 2 Semesters
Grade: 9, 10, 11, 12
Credit per Semester: 1.0
Prerequisite: None
You need to take Theatre 1 before you can take Theatre 2.

As the name suggests, Introduction to Theatre is an introductory study of theatre arts. Students will develop the skills needed to understand and apply basic concepts of theatre in this performance-based class. It will cover acting, analysis, theatre history, viewing and evaluating, review writing, etc.

ACTING TECHNIQUES 1, 2
Full Year
Course Length: 2 Semesters
Grade: 10, 11, 12
Credit per Semester: 1.0
Prerequisite: Introduction to Theatre 1,2 or (Humanities or Elective)

This course will develop skills in acting, auditioning, directing, design, technical production skills, and film. Performance skills will be broadened by the application of advance script and character analysis.

ACTING TECHNIQUES 3, 4
Full Year
Course Length: 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Introduction to Theatre 1,2, or Teacher approval

This is the advanced theatre course at Doherty. Acting Techniques 3,4 covers a wide variety of advanced acting methods to include acting styles, improvisation, stage movement, auditioning, script analysis, scene study, portfolio preparation and script writing. Acting Techniques 3,4 student produce a school wide production and participate in the Pikes Peak Regional One Act Competition.

STAGE CRAFT
Full Year
Course Length: 2 Semesters
Grade: 10, 11, 12
Credit per Semester: 1.0
Prerequisite: Introduction to Theatre 1,2 or (Practical Arts or Elective)

Stage Craft students will work hands-on developing skills in all areas of theatre production. Student will explore their talents in the areas of design, script analysis and adaptation, set construction, organization, and marketing. Stage Craft students will sharpen their problem-solving skills as they work independently and in group settings carrying out the technical aspects of the Special Education shows that the Theatre Workshop class puts on each semester.

THEATRE WORKSHOP
Full Year
Course Length: 2 Semesters
Grade: 9, 10, 11, 12
Credit per Semester: 1.0
Prerequisite: Counseling Appointment Only (Practical Arts or Elective)

Theatre Workshop students will develop communication skills through participation in storytelling. Students will work on improving their creative skills through light vocal and physical warmups, performance preparation, creative play, and other theatre experiences. Each year Theatre Workshop student work with Stage Craft students to perform 2-3 different shows adapted specifically for the student in the class.
NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS.

NAVAL JUNIOR ROTC

NJROTC is an interesting and rewarding way to earn elective credit. Practical leadership and personal development opportunities accompany academic work. There is no obligation incurred, either to continue the program at Doherty High School or to be involved in the Navy in any way after graduation. Opportunities for school and community service, interesting field trips, early leadership positions, personal recognition, and numerous extra-curricular activities are all available. A uniform is provided without cost and worn once a week. Completion of the program makes students eligible for advance standing should they choose to enter any military service. Significant assistance is given to those students interested in fully paid college scholarship or service academy appointments.

NAVAL SCIENCE I
Course Length: 2 Semesters
Credit per Semester: 1.0
( Elective Credit)

Naval Science I is a co-ed beginning program in Naval Junior ROTC containing academic, service education, and military instruction. The academic portion includes customs, traditions, courtesies, organization, citizenship, leadership, naval missions, and U.S. Government. Community service (service education), participation in the cadet corps activities, and field trips are required. Field trips will be made to local military bases to promote awareness of technology, principles of teamwork, and application of classroom subjects. The military portion includes basic drill, physical fitness, military bearing, and courtesies. The naval uniform must be worn, for the full school day once a week. Uniforms and tests are provided. Basic standards of military grooming are required. Top academic performance and continuing education as goals are the focus of this program. Students must maintain a “C” average in JROTC to remain in the program.

NAVAL SCIENCE II
Course Length: 2 Semesters
Credit per Semester: 1.0
( Elective Credit)

This co-ed course is an expansion of Naval Science I, which includes maritime history, maritime geography, oceanography, meteorology, astronomy and physical sciences. Community service (service education), unit participation, and field trips are required. Computers will be used to prepare presentations. Grooming and uniform requirements are the same as Naval Science I. Continuing education as a goal is the focus of this program. Students must maintain a “C” average in JROTC to remain in the program.

NAVAL SCIENCE III
Course Length: 2 Semesters
Credit per Semester: 1.0
( Elective Credit)

This course involves instruction in seamanship, meteorology, and advanced leadership and draws upon the skills mastered in Naval Science I and II. Maritime history, leadership, astronomy, and other military subjects from a Naval perspective are also covered. Students in this course are charged with the mid-level leadership and administration of the Cadet Corps and the extracurricular programs. Grooming and uniform requirements are the same as Naval Science I. Continuing education as a goal is the focus of the program.
**NAVAL SCIENCE IV**

<table>
<thead>
<tr>
<th>Course Length: 2 Semesters</th>
<th>Grade: 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: Naval Science III and Approval of Naval Science instructor</td>
</tr>
<tr>
<td>(Elective Credit)</td>
<td></td>
</tr>
</tbody>
</table>

This course builds on the basic qualities of a good follower and an effective leader provided in Naval Science I, II, and III. The student will take a more in-depth look at leadership principles, traits, and practices. Case studies and seminar techniques are used in the classroom. Students will learn how to maximize leadership skills following the leadership curriculum used in college level ROTC and at the Naval Academy. Students are expected to provide leadership to the Naval Science I-III cadets.

**NAVAL SCIENCE ENRICHMENT**

<table>
<thead>
<tr>
<th>Course Length: 2 Semesters</th>
<th>Grade: 9, 10, 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: Naval Science I (1 semester) and currently enrolled in Naval Science I, II or III</td>
</tr>
<tr>
<td>(Elective Credit)</td>
<td>Naval Science instructor approval is required</td>
</tr>
<tr>
<td></td>
<td>(May be entered second semester by freshmen Naval Science I students with Naval Science instructor approval)</td>
</tr>
</tbody>
</table>

This is an advanced leadership-training program in Naval Junior ROTC focusing on military precision and exhibition drill ceremonies, physical training, and community service. Field trips for community performances ad inter-school competition of military drill and academic events are included as well as experiential visits to military and civilian organizations. Students will form into performing teams to execute precision, exhibition, and armed, unarmed, color guard, and competitive drill. Students will perform at civic, community, and military ceremonies. Students will be eligible for a school letter if criteria for participation and competitive performances are maintained. Student’s research and report on current events and leadership as well as the history, tradition, and customs of naval and military ceremonies. Military standards of grooming and appearance will be required of the student. Students will be required to participate in fundraising activities to acquire special uniform items and to defray the cost of field events. **Cadets are highly encouraged to sign-up for both semesters in order to complete activities.**
The graduation requirement for Physical Education is three semester credits, inclusive grades 9-12. The sequential program is based on the assumption that one semester will be attained at the ninth grade level.

**SEQUENCE OF REQUIRED UNITS**

1.) Team Sport Requirement-Ninth Grade P.E. will fulfill the high school team sport requirement.
2.) Swim
3.) Fitness Conditioning
4.) Individual Sport

**PHYSICAL EDUCATION 9**

<table>
<thead>
<tr>
<th>Course Length: 1 Semester</th>
<th>First Semester or Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Grade: 9</td>
</tr>
<tr>
<td>(Physical Education or Elective)</td>
<td>Prerequisite: None</td>
</tr>
</tbody>
</table>

Physical Education 9 involves participation in units based on beginning to intermediate skills and fitness. The semester will be divided into 3 six-week units. The major areas of emphasis will be swimming, weights/conditioning, and introduction to team games.

**PHYSICAL EDUCATION 10**

<table>
<thead>
<tr>
<th>Course Length: 1 Semester</th>
<th>First Semester or Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Grade: 10, 11, 12</td>
</tr>
<tr>
<td>(Physical Education or Elective)</td>
<td>Prerequisite: Physical Education 9</td>
</tr>
</tbody>
</table>

Physical Education 10 involves participation in units based on introductory to advanced levels of skill. The semester will include team and individual sports units.

**PHYSICAL EDUCATION 10/BOWLING**

<table>
<thead>
<tr>
<th>Course Length: 1 Semester</th>
<th>First Semester, Second Semester or Both</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Grade: 10, 11, 12</td>
</tr>
<tr>
<td>(Physical Education or Elective)</td>
<td>Prerequisite: Physical Education 9</td>
</tr>
</tbody>
</table>

Zero hour bowling involves participation in a league bowling style class. Class will learn all of the elements of advanced bowling styles, scoring and a competitive league bowling format. **Students must have their own transportation to and from the King Pin Bowling Center. The cost of the class is $100.00 per semester.**

**WEIGHT TRAINING FOR ATHLETIC PERFORMANCE**

<table>
<thead>
<tr>
<th>Course Length: 1 Semester</th>
<th>First Semester, Second Semester or Both</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit per Semester: 1.0</td>
<td>Grade: 10, 11, 12</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Completed 1 semester of PE 9</td>
</tr>
</tbody>
</table>

This course is designed for the highly motivated athlete to increase athletic performance through ground based, multiple joint activities. Progressive overload and periodization principles are the basis of the weights and conditioning program, while focusing on explosive strength training exercises. All athletes will be taught and required to use safe and proper form for each lifting exercise. This class is open to varsity athletes and must have the recommendation of the varsity coach of each sport. Sport specific programs will be designed for the individuals and consideration will be taken for both in season appropriate maintenance training and out of season building and intensity. **PLEASE NOTE: If you’re a freshman FOOTBALL student athlete please try to take PE 9 first semester.**
### LIFEGUARDING/FIRST AID  
**First Semester or Second Semester**  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Physical Education or Elective)  

Fee: $120.00 - Fee includes book; first aid supplies; adult, infant CPR mask; certification through the American Red Cross  

Lifesaving/CPR for the professional rescuer and first aid is included in this course. At the end of the unit students will have the potential to be certified lifeguards.

### ROCKY MOUNTAIN HIGH  
**First Semester or Second Semester**  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Physical Education or Elective)  

This course will allow the student to acquire skills through physical and mental challenges. The activities in this course may include, but are not limited to: activities to promote teamwork and cooperation, indoor and outdoor low-challenge activities, indoor climbing wall, orienteering, topographical map design, and outdoor cooking and camping.

### HEALTH  
**First Semester or Second Semester**  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Physical Education or Elective)  

This course will influence attitudes toward health, which will promote respect for the human mind and body and the factors which foster optimum healthful living. Good health shall be identified as mental, social and physical well-being, and not merely the absence of disease and infirmity. Emphasis will be placed on developing self-esteem and positive intra-personal relationships. The students will be encouraged to explore the emerging health information and develop the ability to weigh the validity of such information for application to their existing health status.
ENVIRONMENTAL SCIENCE*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Science Requirement or Elective)
Environmental Science is a systematic study of living systems with emphasis on interaction of the living systems with the natural environments. It teaches students to view the environment as an integral part of their lives and community. This is an issues-oriented environmental studies course that investigates and analyzes community problems and uses knowledge and processes of science to suggest options for the solutions of these problems. This course emphasizes problem solving, decision-making, and hands-on learning.

ENVIRONMENTAL SCIENCE ADVANCED PLACEMENT*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Science Requirement or Elective)
This course is a study of the natural sciences in an interdisciplinary context that examines people and how they have influenced the Earth’s systems. It includes many aspects of biology, earth science, chemistry, physics, and human population dynamics.

PRE-AP BIOLOGY 1,2 or PRE-AP BIOLOGY 1,2 H**
Course Length: 2 Semesters
Credit per Semester: 1.0
(Science Requirement or Elective)
This course emphasizes the integration of content with science practices – powerful reasoning tools that support students in analyzing the natural world around them. This ability is one of the hallmarks of scientific literacy, and it cultivates a more sustainable pathway to numerous college and career opportunities in science as well as numerous natural and social sciences. This course focuses deeply on the foundational biology knowledge and skills that matter most in preparing students for subsequent coursework in science. This course concentrates on the core areas of ecological systems evolution, cellular systems, and genetics. Students will make meaningful connections between the structures, processes, and interactions that exist across biological systems – from cells to ecological communities.

BIOLOGY 1,2 ADVANCED PLACEMENT*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Science Requirement or Elective)
This class includes molecular, cellular, organismal, and population biology as taught systematically at the college level. Instruction includes analysis, synthesis, and evaluation of information obtained from both print and laboratory research. The lab is used extensively, including some sophisticated instrumentation. Individual student study and extended laboratory work is encouraged. Students will be prepared to take the National Advanced Placement Examination near the end of the school year.

PRE-AP CHEMISTRY 1,2 or PRE-AP CHEMISTRY 1,2H*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Science Requirement or Elective)
Pre-AP Chemistry focuses on students developing a deep conceptual understanding of matter and energy at the molecular level by asking students to explain their macroscopic observations using particulate- reasoning. Students will begin their exploration of matter by observing and measuring macroscopic properties of everyday materials and progress throughout the course to explore deeper and more detailed perspectives of the particle nature of matter. Pre-AP Chemistry motivates students to be active participants in applying critical thinking and mathematical skills as they engage in context driven mathematics, data analysis, modeling, and productive collaboration with their peers.
CHEMISTRY ADVANCED PLACEMENT*

Full Year
Course Length: 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Pre-AP Chemistry, regular or Honors
(Science Requirement or Elective)

This is a college-level chemistry program emphasizing chemistry concepts in much greater depth than found in the College-Prep Chemistry course. College-level texts, laboratory situations, and laboratory instrumentation are used. Independent study is utilized whenever possible. Students are encouraged to take the National Advanced Placement Examination near the end of the course.

HUMAN ANATOMY and PHYSIOLOGY 1,2*

Full Year
Course Length: 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Successful completion of Biology
**Honors Credit Available

This course is a systematic study of the structure and functions of the human body. The curriculum covers the major organ systems of the human body as they relate to health and disease. Instruction uses laboratory activities including dissections to enable students to visualize basic anatomical structures comparable to those in humans. This course serves as initial preparation for study in physical education, health and medical sciences.

OCEANOGRAPHY*

Full Year
Course Length: 1 or 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Algebra 1,2; Earth, Space & Physical Science and Biology

This course is a study of the oceans of the world and the impact they have on the world. The curriculum covers the biological, chemical, geologic and physical aspects of the oceans. Human impact on the physical aspect of the oceans as well as on the life in the ocean is woven throughout the course as well as discussing possible solutions to the health of the oceans. Instruction includes projects, labs, activities and dissection.

PHYSICS 1,2*

Full Year
Course Length: 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Algebra 3,4; Pre-AP Biology 1,2, Pre-AP Chemistry 1,2

Physics is the study of motion, forces, energy, light, sound, electricity, and magnetism. Students will be expected to demonstrate a command of science process skills. They will solve problems by observing demonstrations, conducting experiments, and applying math procedures and skills. Physics has applications in many fields including athletics, engineering and technology, liberal arts, and medicine and health.

PHYSICS 1,2 H*

Full Year
Course Length: 2 Semesters
Grade: 11, 12
Credit per Semester: 1.0
Prerequisite: Completion of or concurrent with Trigonometry; Pre-test and Teacher approval: successful completion of Chemistry

Honors Physics is the study of motion, forces, energy, light, sound, electricity, and magnetism. Students will be expected to demonstrate a command of science process skills. They will solve problems by observing demonstrations, conducting experiments, and apply math procedures and skills. Physics has applications in many fields including athletics, engineering and technology, liberal arts, and medicine and health. This honors course deals with the content and objective in greater depth and complexity. Higher reasoning skills are needed, more out-of-class work is expected, and independent study skills are utilized.
PHYSICS 1,2 ADVANCED PLACEMENT*  
Course Length: 2 Semesters  
Grade: 12  
Credit per Semester: 1.0  
Prerequisite: Physics (regular or honors), Calculus (completion or concurrent) required

This course forms the first part of the college sequence that serves as a foundation in physics for students majoring in the physical sciences and engineering. The subject matter of the course is principally mechanics and electricity-magnetism. Strong emphasis is placed on solving physics problems, some of which will require calculus. Additionally, students will be expected to demonstrate, in a variety of ways, a rigorous understanding of the concepts central to the above domains of physics and will perform appropriate experiments through the two semesters. Students will be prepared to take both parts of the AP Physics C exam upon completion of the course of study.

EARTH, SPACE & PHYSICAL SCIENCE*  
Course Length: 2 Semesters  
Grade: 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: None  
**By teacher placement only

This course will provide the foundation for some of the basic concepts of physical science through the lens of Earth Science. Topics include plate tectonics, geologic time, weather and climate, the Earth-Moon system, stars and galaxies, rocks and minerals. Subtopics, based in the physical sciences, include matter and phase change, atomic structure, chemical bonding, conservation of mass and energy, and Newtonian physics. This course is aligned to the state and district content standards and is a laboratory class.

GEOLOGY 1  
Course Length: 1 Semester  
Grade: 9, 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: Recommended successful completion of Physical Science/Earth, Space Science and Biology

This is systematic study of the earth’s history, through geologic time, rocks and minerals of the crust, mapping of the earth’s surface, erosional and depositional process, and the earth’s dynamic processes. Field studies, laboratory exercises and activities provide a solid foundation for future studies in the natural sciences.

ASTRONOMY/SPACE 1  
Course Length: 1 or 2 Semesters  
Grade: 9, 10, 11, 12  
Credit per Semester: 1.0  
Prerequisite: Geometry 1,2 or Technical Applied Math 3,4

This course is a systematic study of objects in space and human activity to understand and make use of the environments beyond earth. Instruction includes making models, using charts and graphs, using the planetarium, and data collection and analysis.
### District 11

**Graduation Requirements**

<table>
<thead>
<tr>
<th>The 6 required credits of Social Studies includes specifically a full year of U.S. History and a semester of U.S. Government. The remaining 3 credits of Social Studies may be fulfilled by any of the classes in the Social Studies department.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal and Constitutional Law</td>
</tr>
<tr>
<td>American Popular Culture</td>
</tr>
<tr>
<td>Current Issues</td>
</tr>
<tr>
<td>Geography: People and Places</td>
</tr>
<tr>
<td>Principles of Economics</td>
</tr>
<tr>
<td>Psychology</td>
</tr>
<tr>
<td>Sociology</td>
</tr>
<tr>
<td>U.S. Government</td>
</tr>
<tr>
<td>U.S. History Reconstruction to Present 1,2</td>
</tr>
<tr>
<td>World History—1450 to Present 1,2</td>
</tr>
</tbody>
</table>

The required semester of Economics is a “stand alone” graduation requirement and is not included in the 6 required credits of Social Studies.

| Economics |

### Higher Education Admission Requirements

<table>
<thead>
<tr>
<th>The following courses can be used to fulfill the requirement for 3 units of Social Sciences; at least one of which must be U.S. History or world civilization (3 years/6 semesters). Courses completed beyond the 3 required units may be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</td>
</tr>
<tr>
<td>Economics</td>
</tr>
<tr>
<td>Geography: People and Places</td>
</tr>
<tr>
<td>Principles of Economics</td>
</tr>
<tr>
<td>Psychology</td>
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<td>Sociology</td>
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<tr>
<td>U.S. Government</td>
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<td>U.S. History Reconstruction to Present 1,2</td>
</tr>
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<td>World History—1450 to Present 1,2</td>
</tr>
</tbody>
</table>

The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):

| Criminal and Constitutional Law |
| American Popular Culture |
| Current Issues |
This course focuses deeply on the concepts and skills that have maximum value for college, career, and civic life. The course is built around three enduring ideas to create an engaging and relevant social studies course:

1. **History is an interrelated story of the world.** The course explores the invisible structures and forces that shape and reflect the regions, communities, governments, economics, and cultures of humanity.

2. **History and geography are inherently dynamic.** As historians and geographers uncover new evidence, current assumptions are challenged, and previous arguments and narratives gain complexity, nuance, and context.

3. **Historians and geographers are investigators.** Learning is designed to be a disciplinary apprenticeship where students participate in the process of discovery. Students will play the role of historian and geographer by practicing the detective skills and using the tools of each field study.

   Emphasis is on the following instructional priorities: evaluating evidence, incorporating evidence, and explaining historical and geographic relations.

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**UNITED STATES HISTORY 3,4 * Full Year**

*See description below -

**UNITED STATES HISTORY 3,4 H** Full Year

Course Length: 2 Semesters
Credit per Semester: 1.0
Grade: 10
Prerequisite: None; **Teacher/counselor approval

United States History is a survey of major developments in this country from the Reconstruction period to the present day. The role of the United States in world events will also be emphasized during the 19th, 20th, and 21st centuries. An appreciation of the heritage of the United States and an understanding of how past events relate to current events in an interdependent world will be stressed.

*The Honors course is designed to provide enrichment for college-bound students. Emphasis is placed on advanced levels of interpretation and evaluation of historical material.

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**ECONOMICS First Semester or Second Semester**

Course Length: 1 Semester
Credit per Semester: 1.0
Grade: 12
Prerequisite: None

This class is designed to provide students with insight into the American free enterprise system and how they can succeed within the system as consumers. The course includes instruction in goal setting, time management, job interview and application techniques, methods of compensation, a brief study of economics and free enterprise, banking services, check writing, product warranties and liabilities, purchasing auto/rental insurance, and consumer credit.

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**PRINCIPLES OF ECONOMICS* First Semester or Second Semester**

Course Length: 1 Semester
Credit per Semester: 1.0
Grade: 12
Prerequisite: None

This course includes the basic concepts of economic theory and their application to national, state and local issues. Topics include the basic concepts of economics, microeconomic issues, macroeconomics issues, and international economic issues. Emphasis is placed on economic literacy to prepare students for college studies.
PSYCHOLOGY*  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Social Studies, Humanities or Elective)  
*Psychology is the study of individual human behavior and mental processes. This introductory course focuses on the nature of behavioral science, methods of scientific study, intelligence personality, learning, consciousness, stress, adjustment and abnormal behavior.

UNITED STATES GOVERNMENT *  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Social Studies, Humanities or Elective)  
The opportunity for most United States citizens to acquire the knowledge and dispositions essential for informed effective citizenship during their school years. Therefore, United State Government is designed to enhance responsible and informed participate in civic life. This course will incorporate the Colorado Civic content standards, and key themes will include the purpose of government and heritage of the United States government, comparative government, the Constitution as a living document, political parties, citizenship rights and responsibilities, state and local governments and government relations to world affairs.

ISSUES IN THE 21st CENTURY*  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Social Studies, Humanities or Elective)  
This course is geared to students who want to know more about the world in which they live. Current trouble spots are examined, as well as age-old problems of civilization. Current issues having historical roots are explored and possible outcome scenarios developed. Emphasis is on the international aspect of the issue.

CRIMINAL and CONSTITUTIONAL LAW  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Social Studies, Humanities or Elective)  
This course is designed to explore the legal system. Key themes will include examining civil and criminal law, exploring the structure of the legal system, and balancing rights with responsibilities.

SOCIOLOGY*  
Course Length: 1 Semester  
Credit per Semester: 1.0  
(Social Studies, Humanities or Elective)  
Sociology is the study of group behavior, society, and the social order. This course includes an examination of the differences in societal behavior, social class systems, minority groups, poverty, prejudices, and current social movements.

U.S. HISTORY ADVANCED PLACEMENT*  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Social Studies Requirement)  
Students will undergo a rigorous study of factual and interpretative historical material. Students may elect to take the National Advanced Placement Examination given in May and will receive college credit or placement based on exam results.

EUROPEAN HISTORY ADVANCED PLACEMENT*  
Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Social Studies, Humanities or Elective)  
Students will undergo a rigorous study of factual and interpretative historical material. Students may elect to take the National Advanced Placement Examination in May and will receive college credit or placement based on exam results.
**PSYCHOLOGY ADVANCED PLACEMENT***  
*Full Year*
Course Length: 2 Semesters  
Grade: 11, 12
Credit per Semester: 1.0  
Prerequisite: Teacher approval
(Social Studies, Humanities or Elective)

The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

**MICRO/MACROECONOMICS ADVANCED PLACEMENT***  
*Full Year*
Course Length: 2 Semesters  
Grade: 12
Credit per Semester: 1.0  
Prerequisite: Teacher/counselor approval
(Economics Requirement, Social Studies, Humanities or Elective)

Students will undergo a rigorous study of the principles of economics that apply to an economic system as a whole. Students may elect to take the National Advanced Placement Examination in May and will receive college credit or placement based on exam results.

**AMERICAN GOVERNMENT ADVANCED PLACEMENT***  
*Full Year*
Course Length: 2 Semesters  
Grade: 11, 12
Credit per Semester: 1.0  
Prerequisite: Teacher approval
and successful completion of
U.S. /World 3,4
(Social Studies, Humanities or Elective)

The course is designed to give students a critical perspective on government and politics in the United States. The political foundation, theory, and organization of federal, state, county, and local government are examined. In addition, students will become familiar with the various institutions, groups, beliefs and practices that make up the American political reality. Students will undergo a rigorous study of factual and interpretative material. Students may elect to take the National Advanced Placement Examination in May and will receive college credit or placement based on exam results. This course fulfills government requirement.

**HUMAN GEOGRAPHY ADVANCED PLACEMENT***  
*Full Year*
Course Length: 2 Semesters  
Grade: 9, 10, 11, 12
Credit per Semester: 1.0  
Prerequisite: Students should be able to read college level texts and have excellent writing skills
(Social Studies Requirement)

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The Course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).
Special Education classes, programs, and services are provided for students with identified educational disabilities related to learning, social/emotional, and/or physical limitations. Placement is made by the Special Education staffing team, with parent approval.

Course credits may be earned in most areas. Course titles designated "Fundamental of" are provided for students requiring an alternative curriculum in lieu of a regular education course. This curriculum is designed to systematically prepare students to successfully further their education and/or function in an integrated vocational, recreational and community setting upon graduation.
### DISTRICT 11 GRADUATION REQUIREMENTS

The two semesters of Humanities credit can be fulfilled by one year of any foreign language.

- **French**: 1, 2; 3, 4; 5, 6; 7, 8
- **German**: 1, 2; 3, 4; 5, 6; 7, 8
- **Spanish**: 1, 2; 3, 4; 5, 6; 7, 8

### HIGHER EDUCATION ADMISSION REQUIREMENTS

The following courses can be used to fulfill the requirement for *1 unit of the same language for those graduating in the class of 2010 and thereafter* (1 year/2 semesters):

- **Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.**

- **French**: 1, 2; 3, 4; 5, 6; 7, 8
- **German**: 1, 2; 3, 4; 5, 6; 7, 8
- **Spanish**: 1, 2; 3, 4; 5, 6; 7, 8

Before the spring of 2010, 2 years of a foreign language can be used to fulfill the requirement for *2 units of Academic Electives* (2 years/4 semesters). After 2010, the second and third year of study in the same foreign language may be used to fulfill the Academic Elective requirement.
FRENCH 1,2*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: None

This course develops the language skills of listening, speaking, reading and writing. Through a variety of enrichment activities and a basic text, the student learns to communicate in the language and to appreciate the culture of the French-speaking world.

FRENCH 3,4*
Course Length: 2 Semesters
Credit Per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: French 1,2 and passing grade

This course broadens the knowledge and reinforces the language skills introduced in French 1,2. The student takes part in lessons designed to make the study of French interesting and practical and develops a deeper appreciation of the French language through a yearlong series of cultural experiences.

"The School Board has approved an honors component for 2nd year language courses. Students must complete supplemental work outside of class to fulfill honors requirements. If students do not complete every required element, or if their averages for the class are lower than a B, they will receive general credit instead of the Honors designation."

FRENCH 5,6*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 10, 11, 12
Prerequisite: French 3,4 and grade of "C" or better

In this course the student applies the skills and expands upon the knowledge acquired in the first two years of French and becomes more versatile in the language by conversing, reading, and writing. Various literary selections enrich the student’s cultural understanding.

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FRENCH 7,8 H*
Course Length: 2 Semesters
Credit per Semester 1.0
(Humanities or Elective)
Grade: 11, 12
Prerequisite: French 5,6
Teacher approval

This is a course intended for academically oriented students who have completed three years of high school French and are motivated to further develop their new skills. Grammar will be reviewed as needed to aid proficiency in the language. Emphasis may also be placed on reading, translating and discussing examples of poetry, drama and narrative prose. One enrichments project selected by the student will be required each semester.

FRENCH 9,10 ADVANCED PLACEMENT*
Course Length: 2 Semesters
Credit per Semester 1.0
(Humanities or Elective)
Grade: 11, 12
Prerequisite: French 7,8 Honors
Teacher approval

This course will provide an experience comparable to that of a college French language course. It is intended for highly motivated students who have mastered the basic language skills and have a teacher recommendation. Emphasis is placed on oral and written communication as a variety of authentic texts, including but not limited to, literary texts, are studied. Students may elect to take the National Advanced Placement Examination in May and will receive college credit or placement based on exam results. This class is conducted almost entirely in French.
GERMAN 1,2*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: None

This course develops the language skills of listening, speaking, reading and writing. Through a variety of enrichment activities and a basic text, the student learns to communicate in the language and to appreciate the culture of the German speaking world.

GERMAN 3,4*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 9, 10, 11, 12
Prerequisite: German 1,2 and Passing grade

This course broadens the knowledge and reinforces the language skills introduced in German 1,2. The student takes part in lessons designed to make the study of German interesting and practical and develops a deeper appreciation of the German language through a yearlong series of cultural experiences.

GERMAN 5,6*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 10, 11, 12
Prerequisite: German 3,4 and grade of "C" or better

In this course the student applies the skills and expands upon the knowledge acquired in the first two years of German and becomes more versatile in the language by conversing, reading, and writing. Various literary selections enrich the student’s cultural understanding.

“The School Board has approved an honors component for 3rd year language courses. Students must complete supplemental work outside of class to fulfill honors requirements. If students do not complete every required element, or if their averages for the class are lower than a B, they will receive general credit instead of the Honors designation.”

GERMAN 7,8 H*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 11, 12
Prerequisite: German 5,6
Teacher approval

This course is intended for academically oriented students who have completed three years of high school German and are motivated to further develop their new skills. Grammar will be reviewed as needed to aid proficiency in the language. Emphasis is placed on speaking, reading, writing, listening through reading short stories, poetry, a novel, a play and listening to a German mystery play. One enrichment project selected by the student will be required each semester.

GERMAN 9,10 ADVANCED PLACEMENT*
Course Length: 2 Semesters
Credit per Semester: 1.0
(Humanities or Elective)
Grade: 11, 12
Prerequisite: German 7,8 Honors
Teacher approval

This course will provide an experience comparable to that of a college-level literature or composition German course. It is intended for highly motivated students who have mastered basic language skills and have a teacher recommendation. Emphasis is placed on grammar, reading, and vocabulary expansion. Students may elect to take the National Advanced Placement Examination and will receive college credit or placement based on exam results. The class is conducted almost entirely in German.

SPANISH 1,2*
Course Length: 2 Semesters
Credit per Semester: 1.0
Grade: 9, 10, 11, 12
Prerequisites: None

This course provides you a beginning understanding of the Spanish language through reading, writing, speaking and listening. This course also covers thematic topics that will help integrate culture such as greetings, hobbies, food and drink, and celebrations. At the end of the course students will be able to hold simple conversations, read short stories, and write simple sentences in Spanish. There will be speaking, listening, and writing assessments.
**SPANISH 3,4**

Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)

*Full Year*

Grade: 9, 10, 11, 12  
Prerequisite: Spanish 1,2 and passing grade

This course builds upon what was learned in Spanish 1,2 to provide a better understanding of the Spanish language through reading, writing, speaking, and listening. This course also covers thematic topics that will help integrate culture such as shopping, vacationing, volunteering, modes of communication, and celebrations. The student will continue to work on their conversational and listening skills, as well as reading and written skills in Spanish. There will be speaking and writing assessments throughout the course.

“The School Board has approved an honors component for 2nd year language courses. Students must complete supplemental work outside of class to fulfill honors requirements. If students do not complete every required element, or if their averages for the class are lower than a B, they will receive general credit instead of the Honors designation.”

**SPANISH 5,6**

Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)

*Full Year*

Grade: 10, 11, 12  
Prerequisite: Spanish 3,4 and grade of "C" or better

In this course in which the student applies the skills and expands upon the knowledge acquired in the first two years of Spanish, and becomes more versatile in the language by conversing, reading, and writing. Emphasis will be placed on reading, writing, and conversing using authentic material and culturally relevant topics. Students will be provided with an ongoing reinforcement of grammatical structures to help them focus on using the target language to interact with authentic sources inside and outside the classroom.

“The School Board has approved an honors component for 3rd year language courses. Students must complete supplemental work outside of class to fulfill honors requirements. If students do not complete every required element, or if their averages for the class are lower than a B, they will receive general credit instead of the Honors designation.”

**SPANISH 7,8 H**

Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)

*Full Year*

Grade: 11, 12  
Prerequisite: Spanish 5,6  
Teacher approval

This a course intended for academically oriented students who have completed three years of high school Spanish and who wish to further develop their language skills. Proficiency in the language will be developed through reading, discussions, and presentations on various thematic topics in Spanish. Students are required each semester to complete supplemental work outside of class to earn credit for this Honors course.

**SPANISH LANGUAGE 9,10 ADVANCED PLACEMENT**

Course Length: 2 Semesters  
Credit per Semester: 1.0  
(Humanities or Elective)

*Full Year*

Grade: 11, 12  
Prerequisite: Spanish 7,8 H  
Teacher approval

The AP Spanish Language Course focuses on developing proficiency and integrating language skills through The National Standards for Foreign Language Learning: Communication, Cultures, Connections, Comparisons and Communities. The AP Spanish Language course is intended to be conducted almost exclusively in Spanish and students are encouraged to use the target language consistently with their teachers and peers. This course will provide frequent opportunities for students to integrate the four language skills (listening, reading, speaking and writing) through the use of authentic material. This class is equivalent to a fifth or sixth semester college and university courses that focus on listening, reading, speaking and writing in the target language at an advanced level of proficiency.

**SPANISH FOR SPANISH SPEAKERS 1**

Course Length: 1 Semester  
Credit per Semester: 1.0  
(Humanities or Elective)

*First Semester or Second Semester*

Grade: 9, 10, 11, 12  
Prerequisite: Foreign Language or English Second  
Language teacher recommendation

This course is intended for the native of fluent Spanish speaker who would like to maintain or strengthen his/her reading, writing, and oral communication skills. Through reading a variety of texts, students will gain an appreciation for Hispanic literature, while celebrating the Spanish heritage. Lastly, this course will prepare students to participate in global economy, that requires fluency inn more than one language.
### SPANISH FOR SPANISH SPEAKERS 2

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<tr>
<th>Course Length: 1 Semester</th>
<th>Grade: 9, 10, 11, 12</th>
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<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: Foreign Language or English Second Language teacher recommendation</td>
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This course is intended for the native of fluent Spanish speaker who would like to maintain or strengthen his/her reading, writing, and oral communication skills. Through reading a variety of texts, students will gain an appreciation for Hispanic literature, while celebrating the Spanish heritage. Lastly, this course will prepare students to participate in global economy, that requires fluency in more than one language.

### AMERICAN SIGN LANGUAGE

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<th>Course Length: 2 Semesters</th>
<th>Grade: 9, 10, 11, 12</th>
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<tr>
<td>Credit per Semester: 1.0</td>
<td>Prerequisite: None</td>
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Students will learn and practice the basic alphabet and universal signs of the American Sign Language. This course will open the doors of communication with hear-impaired individuals who use this language.
AP SEMINAR (AP Capstone Video)
Course Length: 1 Semester
Credit per Semester: 1.0
(Elective Credit)
Prerequisite: Concurrent enrollment in at least one other AP course
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

AP RESEARCH (AP Capstone Video)
Course Length: 1 Semester
Credit per Semester: 1.0
(Elective Credit)
Prerequisite: AP Seminar
AP Research will further the skills from AP Seminar, by understanding research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information as they address a research question. Students will explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4,000-5,000 words (accompanied by a performance or exhibition where applicable) and a presentation with an oral defense.

STUDENT ASSISTANT
Course Length: 1 Semester
Credit per Semester: .5
(Elective Credit)
Prerequisite: Teacher approval
The student will assist the staff members in a variety of ways such as lab preparation, clean up, class organization, clerical duties, and media assistant.
Student assistants (including office, teacher, media center aide, and community service) will be given one-half (.5) credit each semester but a "G" grade because there is not a Board-approved specific curriculum. The student would receive credit but not a grade for grade point average, class rank, or honor roll.

TEACHER ASSISTANT for LIFE SKILLS
Course Length: 1 Semester
Credit per Semester: 1.0
(Elective Credit)
Prerequisite: Teacher approval and application process
This course is designed for the student who wishes to accept the responsibility of being a tutor. The teacher assistant will work with students with disabilities, in a specific course, aiding them in understanding what they can of the course assignments. The student will have a chance to build self-confidence, reinforce past learning experiences and have this additional opportunity for peer interaction.

UCCS/PPCC POST SECONDARY PROGRAM
Course Length: 1 Semester
Credit per Semester: 1.0
Prerequisite: Counselor approval
This program permits high school students to enroll for classes at UCCS and PPCC. The application process for the spring semester begins in early November and in early April for the fall semester. Students must meet specific requirements to participate and may earn both high school and college credit. For more information students should contact their counselor.
STUDENT TUTOR
Course Length: 2 Semesters
Credit per Semester: 1.0
(Elective Credit)

First Semester and/or Second Semester
Grade: 10, 11, 12
Prerequisite: Department Chair/teacher approval
and application process

The student must have willingness for tutoring just as he/she would for any other class and have a teacher or department recommendation. This course is designed for the student who wishes responsibility, a chance to build self-confidence, contact with other people and reinforcement of past learning experiences. The student-tutor will work with one student or a small group of students in a specific course. One elective credit per semester will be given. The tutor will work five days a week for 50-60 minutes each day.

PEER COUNSELING
Course Length: 2 Semesters
Credit per Semester: 1.0
(Elective Credit)

Full Year
Grade: 9, 10, 11, 12
Prerequisite: Application process

Peer counselors are specially trained students who are desirous of reaching out and helping their peers. They apply in the spring and undergo a rigorous screening and interview process before being selected to serve the following school year. Students are recommended by counselors, teachers and fellow students or they can apply on their own. The most essential criteria for being selected is a caring attitude. The goal is to provide outreach and support to fellow students and the community. Students will receive one credit for each semester and a grade.