

DOHERTY HIGH SCHOOL

2018-2019 COURSE DESCRIPTIONS

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

Kevin Gardner	Principal	328-6402
Lana Flenniken	Assistant Principal	328-6403
Jenny Horner	Assistant Principal	328-6552
Stephanie Leasure	Assistant Principal	328-6405
Chris Noll	Athletic Dir./Business Manager	328-6443

STUDENT PERSONNEL STAFF

Assignments for the 2018-2019 School Year

Tim Garland	Counselor	Sophomores A-G Seniors A - G	328-6492
Stacy Strobel	Counselor	Sophomores H – O Seniors H - O	328-6409
Lindsey Wedor	Counselor	Sophomores P - Z Seniors P -Z	328-6420
Sandra Gilbert	Counselor	Freshmen A - G Juniors A - G	328-6418
Vicki Glaser	Counselor	Freshmen H - O Juniors H - O	328-6407
Kathryn Hernandez	Counselor	Freshmen P – Z Juniors P - Z	328-6408
Nicole Kimbrough	Secretary		328-6412
Michelle Perez	Registrar		328-6406
Mindy Campanella	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.

REGISTRATION FOR CLASSES 2018-2019

This booklet is provided to help you select your courses for the 2017-2018 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 Honors and AP classes are defined as follows:

A =	5 points
B =	4 points
C =	3 points
D =	2 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

English 1, 2 Honors
English 3, 4 Honors
English 5, 6 Honors
English 7, 8 Honors (Concurrent Enrollment with CSU-Pueblo)
Advanced Placement English Language and Composition
Advanced Placement Literature and Composition

MATH

Algebra 1, 2 Honors
Geometry 1, 2 Honors
Algebra 3, 4 Honors
Pre-Calculus Honors (Concurrent Enrollment with UCCS)
Advanced Placement Calculus 1,2 AB (Concurrent Enrollment with UCCS)
Advanced Placement Calculus BC/ Calculus III (Concurrent Enrollment with UCCS)
Advanced Placement Statistics (Concurrent Enrollment with UCCS)

SCIENCE

Biology 1, 2 Honors
Chemistry 1, 2 Honors
Physics 1, 2 Honors
Advanced Placement Biology
Advanced Placement Chemistry (Concurrent Enrollment with UCCS)
Advanced Placement Environmental Science
Advanced Placement Physics

SOCIAL STUDIES

World History 1,2 Honors
United States History 3, 4 Honors
Advanced Placement U.S. History
Advanced Placement U.S. Government
Advanced Placement Human Geography
Advanced Placement European History
Advanced Placement Psychology

WORLD LANGUAGES

French 5, 6 Honors
French 7, 8 Honors
Advanced Placement French
German 7, 8 Honors
Advanced Placement German (Concurrent Enrollment with UCCS)
Latin 7, 8 Honors
Advanced Placement Latin
Spanish 3, 4 Honors
Spanish 5, 6 Honors
Spanish 7, 8 Honors
Advanced Placement Spanish

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:**

4 years of English	4 years of Math (Algebra I and higher)
3 years of Science (2 of which must be lab based)	1 year of a Foreign Language
3 years of Social Studies (including U.S. History and Government)	
2 units of academic electives	

MOST SELECTIVE COLLEGES

4 years English*	Top 5% of Class	Stanford University
4 years Math*	CUM GPA 4.0 (Unweighted)	Harvard University
4 years Science*	ACT Composite 30-36	M. I. T.
3-4 years Social Studies*	SAT (Critical Reading + Math) 1500-1600	Duke
3-4 years Foreign Language*		
*2 years of Advanced Placement in all core areas is strongly suggested		

HIGHLY SELECTIVE COLLEGES

4 years English*	Top 20% of Class	Mines
4 years Math*	CUM GPA 3.7 + (Unweighted)	BYU
3-4 years Science*	ACT Composite 23-30	CU-Boulder
3-4 years Social Studies*	SAT (Critical Reading + Math) 100-1400	CSU
3-4 years Foreign Language*		University of Denver
*Advanced Placement or honors in several of these areas is critical		

SELECTIVE

4 years English	CUM GPA 3.0+	UCCS
4 years Math	ACT Composite 20-25	UNC
3+ years Science	SAT (Critical Reading + Math) 1000-1200	Kansas State
3+ years Social Studies		
2-3 years Foreign Language		

LESS SELECTIVE

4 years English	CUM GPA 2.5+	Adams State
4 years Math	ACT Composite 18-21	Metro State
3 years Science	SAT (Critical Reading + Math) 850-1000	Colorado Mesa State
3 years Social Studies		Western State
Foreign Language recommended		CSU-Pueblo

OPEN ENROLLMENT

High School Diploma or GED	Required for placement: ACT, SAT, Accuplace Scores	Community Colleges (PPCC)
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POSTSECONDARY and WORKFORCE READINESS

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 be 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.

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 Chef Preparation; Cyber Security; Early Childhood and Secondary Teacher Education; Engineering; Family & Consumer Science; Game Design; Hospitality & Tourism; Journalism and Manufacturing; Web 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.

Postsecondary 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 under-graduate students who have not yet earned a bachelor's degree. The maximum Federal Pell Grant award for the 2017-2018 a 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 under- graduate 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.

COLLEGE CREDITS WHILE IN HIGH SCHOOL

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/>

ASCENT

ASCENT stands for **A**ccelerating **S**tudents through **C**oncurrent **E**nrollment. 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 bearing course. The fees for an extended study vary by program, however if a student enrolls into an extended study program and fails the course or withdraws, the students will be required to reimburse the district. Enrollment in 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 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 include 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)

Academic Area*	2008-2009 Graduates	2010 + Graduates
English*	4 Years	4 Years
Mathematics (Must include Algebra 1, Geometry, Algebra 2 or equivalents)***	3 Years	4 Years
Natural/Physical Sciences (Two units must be lab based)***	3 Years	4 Years
Social Sciences (At least one unit of U.S. or World History)	3 Years	3 Years
World/Foreign Language****	Not Required	1 Year
Academic Electives*****	2 Years	2 Years

* 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 Word/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.

A RECOMMENDED GUIDE TO POSTSECONDARY READINESS

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 with

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 Labor's 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

- Work hard all year – second semester grades can affect scholarship eligibility.

Fall

- 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 FAFS 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 Environmental Science
Advanced Placement Spanish
Advanced Placement German
Intro to Engineering
Civil Engineering and Architecture
Digital Electronics

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

Honors English 7, 8

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
Nutrition and Wellness
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.

FALL SPORTS

Cross Country
Football
Boys Golf
Boys Soccer
Girls Softball
Boys Tennis

WINTER SPORTS

Boys Basketball
Girls Basketball
Hockey
Girls Swim
Wrestling

SPRING SPORTS

Baseball
Girls Golf
Girls Soccer
Boys Swim
Girls Tennis
Boys Track
Girls Track

ACTIVITIES, CLUBS and ORGANIZATIONS

The following activities, clubs and organizations were available for student participation during the 2017-2018 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

GSTA

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.**

SEMESTER CREDITS

ENGLISH	8
SOCIAL STUDIES	6
MATHEMATICS	6
SCIENCE	6
PHYSICAL EDUCATION	3
HEALTH	1
HUMANITIES	2
COMPUTER EDUCATION	1
ECONOMICS	1
PRACTICAL ARTS	1
Required Subjects	35
Electives	<u>11</u>
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.**

	<u>CCHE</u>	=	<u>D-11</u>
English	4 units		8 credits
Mathematics (Algebra 1/2 level and higher)	4 units		8 credits
Natural/Physical Sciences (2 units must be lab based)	3 units		6 credits
Social Sciences (at least one unit of U.S. or world history)	3 units		6 credits
World Languages (must be same language)	1 units		2 credits
Academic Electives	<u>2 units</u>		<u>4 credits</u>
TOTAL	17 units		34 credits

ART/VISUAL ARTS

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>The two semesters of Humanities credit may be fulfilled by any 2 Art courses.</p> <p>Ceramics 1,2; 3,4 Computer Art 1,2 Drawing 1,2; 3,4 Intro to Visual Art 1,2 Jewelry 1 Painting 1,2; 3,4 Photography 1,2; 3,4 Sculpture 1</p>	<p>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>Ceramics 1,2; 3,4 Computer Art 1,2 Drawing 1,2; 3,4 Intro to Visual Art 1,2 Jewelry 1 Painting 1,2; 3,4 Photography 1,2; 3,4 Sculpture 1</p>

ART/VISUAL ARTS

INTRO TO VISUAL ART 1/ART EXPLORATIONS

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

First Semester or Second Semester

Grade: 9, 10, 11, 12 (9th graders MUST take this course before taking any other art course.)
Prerequisite: None

Fee: \$25.00

In order to break the rules you need to know what they are. Learn the rules of art, the elements and principles, in order to unlock its mysteries. Then discover what works. Armed with this information, take charge of the media to express yourself in two and three-dimensional works of art. This class gives you a chance to explore a variety of media: drawing, computer art, sculpture, ceramics, painting, photo and/or printmaking.

STUDIO ART 1,2 ADVANCED PLACEMENT

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

Full Year

Grade: 12
Prerequisite: Teacher approval
Students provide own supplies
Standard AP test fee applies in spring
Fee: \$35.00 Per Semester

AP Studio Art is designed for senior students who combine exceptional ability with a high degree of interest in the practice of art. Students will be expected to submit a portfolio of work to examiners in May in an attempt to qualify for credit and advanced placement in American colleges. (Although students need not be enrolled in an AP course to submit a portfolio, it is highly recommended.) Work done in the course will be expected to reflect three areas of concern: breadth, concentration and quality.

CERAMICS 1

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

First Semester or Second Semester

Grade: 9, 10, 11, 12
Prerequisite: Intro to Visual Art for grade 9
Fee: \$25.00

Here's a chance to get your hands dirty. Experience the thrill of clay by using hand-building and wheel-throwing techniques. Create original three-dimensional forms. Learn the difference between functional and non-functional ceramics. An emphasis will be placed on the elements and principles of design to plan and create your pieces.

CERAMICS 2

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

First Semester or Second Semester

Grade: 10, 11, 12
Prerequisite: Ceramics 1
Fee: \$25.00

Spinning round and round? Or are you feeling more grounded? Either way this is the class for you! Spend your time on the potter's wheel, hand-building and combining the two. Reduction, low and high firing techniques will be covered. Create vessels, mugs, and plates on the wheel. Sculptural, non-functional pieces will also be designed.

CERAMICS 3

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

Second Semester

Grade: 10, 11, 12
Prerequisite: Ceramics 2
Fee: \$25.00

Dig into your passion for the organic qualities of clay. Reinforce your love of form and investigate ceramics as a career. What does a production potter do? How do you load and fire a kiln? Techniques in this class will cover alternative firing methods, various surface embellishments, mold making and distinctive finishing processes. Understand the influence of culture on ceramic art and measure its impact on your own work

COMPUTER ART

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

First Semester or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: Intro to Visual Art for grade 9

Fee: \$10.00

Want to expand your art skills using the computer? Computers aren't just for typing reports. Earn your computer credit in an art class! Students will gain a basic understanding of computer produced art and graphic images. This may include, but is not limited to, fine art graphics, graphic design, typography, animation, web design, and creating art for advertising. Included in the course will be an overview of Adobe Photoshop and Illustrator, the standard for a computer graphic career. Appreciation of computer-generated art will be incorporated into the course.

COMPUTER ART 2

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

First Semester or Second Semester

Grade: 10, 11, 12

Prerequisite: Computer Art 1

Fee: \$10.00

Now morph the skills you learned in the beginning computer art course by digging deeper into graphics technology. Some of the deeper skills to be gained in Adobe Photoshop, Illustrator, and other software programs are: mesh layers, blending, channels, masking and advance layering. Earn your computer or art credit by drawing, painting, or collage on the computer.

COMPUTER ART 3

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

Second Semester

Grade: 10, 11, 12

Prerequisite: Computer Art 2

Fee: \$10.00

You can support yourself while creating art! Whether you want to be a commercial artist or a fine artist, a career in art using the computer is possible. You will learn to research, design and lay out your ideas within the confines of the art studio. See the connection between fine art and commercial art fields. Presentations, portfolios, artist's statements and general marketing skills will be covered.

DRAWING 1

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

First Semester or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: Intro to Visual Art for grade 9

Fee: \$20.00

Love to draw? Wish you could draw? Build your drawing skills by looking at and drawing real objects and spaces. Learn to use various drawing tools, surfaces, and techniques. Use these skills to share your ideas with other by drawing from your imagination. Classroom activities will concentrate upon contour, gesture, mass and perspective drawings.

DRAWING 2

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

First Semester or Second Semester

Grade: 10, 11, 12

Prerequisite: Drawing 1

Fee: \$20.00

Expand your drawing skills and use a wider range of media: pen and ink, colored pencil, pastels, charcoal, conte, crayon, graphite and markers. Explore your creativity by investigating styles of master and contemporary artists. This course also allows you to experiment with media and styles. Try your hand at abstraction, surrealism and expressionism.

DRAWING 3

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

Second Semester

Grade: 10, 11, 12

Prerequisite: Drawing 2

Fee: \$20.00

Make your own mark on the world! Draw from influences and resources from around the globe. Use your mastery of drawing techniques and media while exploring forms from direct observation. Learn to express what you want to say in your art and explore a variety of styles and artists. What influences you? How do you express that? Develop your own personal aesthetic.

PAINTING 1

Course Length: 1 Semester
Credit per Semester: 1.0
(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.

First Semester

Grade: 9, 10, 11, 12
Prerequisite: Intro to Visual Art for grade 9
Fee: \$40.00

PAINTING 2

Course Length: 1 Semester
Credit per Semester: 1.0
(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.

Second Semester

Grade: 10, 11, 12
Prerequisite: Painting 1
Fee: \$40.00

PHOTOGRAPHY 1: DIGITAL

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

Does your new digital camera scare you? Conquer your fears and take control of your images! Learn how digital cameras operate. This course will cover camera operations, fundamentals of lighting, proper composition, making exposures and using Adobe Photoshop. Begin with black and white images and work your way into color images. Students will explore the potentials of computers and software in developing their imagery and ideas.

First Semester or Second Semester

Grade: 10, 11, 12
Prerequisite: Students must have access to an SLR or Bridge digital camera for the entire semester
Fee: \$40.00

PHOTOGRAPHY 2: DIGITAL

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

Now that you are shooting like a pro learn how to create images that a pro would envy. Continue to learn how the digital SLR camera operates using a variety of lenses. Shooting indoors and outdoors a focus will be provided using macro, telephoto, and other lenses. The photo is just the beginning; use Photoshop to alter your existing images. Bring your creative side to this class

First Semester or Second Semester

Grade: 10, 11, 12
Prerequisite: Students must have access to an SLR or Bridge digital camera for the entire semester
Fee: \$40.00

JEWELRY 1

Course Length: 1 Semester
Credit per Semester: 1.0
(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!

First Semester or Second Semester

Grade: 9, 10, 11, 12
Prerequisite: Intro to Visual Art for grade 9
Fee: \$35.00

SCULPTURE 1

Course Length: 1 Semester
Credit per Semester: 1.0
(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.

First Semester or Second Semester

Grade: 9, 10, 11, 12
Prerequisite: Intro to Visual Art for grade 9
Fee: \$35.00

CAREER and TECHNICAL EDUCATION EDUCATIONAL PHILOSOPHY

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**
 - Catering
 - Education
- **ALTERNATIVE COOPRATIVE EDUCATION**

CAREER and TECHNICAL EDUCATION

APPLIED TECHNOLOGY

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>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.</p> <p>Architectural Drawing 1, 2; 3, 4 Automotive Technology 1, 2 Civil Engineering & Architecture 1, 2 Computer Science Essentials 1, 2 Computer Science Principles 1, 2 Digital Electronics 1, 2 Introduction to Engineering Design 1, 2 Principles of Engineering 1, 2 Technical Drawing Vocational Technology—Automotive Technician</p> <p>The one required credit of Computer Education may be fulfilled by:</p> <p>Any Project Lead the Way Pre-Engineering Class Architectural Drawing 1, 2; 3, 4 Technical Drawing</p>	<p>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>Architectural Drawing 1, 2; 3, 4 Civil Engineering & Architecture 1, 2 Computer Science Essentials 1, 2 Computer Science Principles 1, 2 Digital Electronics 1, 2 Introduction to Engineering Design 1, 2 Principles of Engineering 1, 2 Vocational Technology—Automotive Technician</p>

Doherty High School Applied Technology Architecture Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructor
Jeff Neumeyer
Adam Truex



Grade	Core Curriculum	Pathway Curriculum	College Course Equivalents
9 th	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
10 th	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
11 th	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
12 th	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

Credit per Semester: 1.0

(Computer Education, Practical Arts or Elective)

First or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$5.00

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 with an additional registration fee. This course would be the same as taking CAD 101 at PPCC.

ARCHITECTURAL DRAWING 1, 2

Course Length: 2 Semesters

Credit per Semester: 1.0

(Computer Education, Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Successful Completion of Architectural Drawing 1

Fee: \$20.00

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 with an additional registration fee.

ARCHITECTURAL DRAWING 3, 4

Course Length: 2 Semesters

Credit per Semester: 1.0

(Computer Education, Practical Arts or Elective)

Full Year

Grade: 11, 12

Prerequisite: Successful Completion (Computer Education, Practical Arts or Elective) of Architectural Drawing 2

Fee: \$20.00

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 with an additional registration fee.

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)

Full Year

Grade: 11, 12

Prerequisite: Concurrent enrollment (Computer Education, Practical Arts or Elective) in college preparatory mathematics or Architectural Drawing 4

Fee: \$20.00

The major focus of the Civil Engineering and Architecture course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. This course is intended to serve as a specialization course within the Project Lead the Way pre-engineering sequence.

Doherty High School Applied Technology Engineering Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructor(s)
Jeff Neumeyer
Floyd Aker
Adam Truex
Charmyn Neumeyer



Grade	Core Curriculum	Pathway Curriculum	College Course Equivalents
9 th	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)	**Introduction to Engineering Design (IED) Honors Introduction to Computer Science (1 Semester)	ENGR 1503 Intro to Engineering Design 2 UCCS Credits CAD 240 Inventor 1 3 PPCC Credits
10 th	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)	**Principles of Engineering (POE) Honors	ENGR 1502 Principles of Engineering 3 UCCS Credits
11 th	English 5, 6 or Honors 5, 6 (2) Algebra 3, 4 or +Pre-Calculus (2) Chemistry/Physics (2) Government (1) Social Studies (1) ++Elective	**Civil Engineering/Architecture Honors or **Digital Electronics Honors	CEA ENGR 1506 Civil Engr. & Architecture 3 UCCS Credits CAD 224 Revit 3 PPCC Credits DE ENGR 1411 Digital Electronics 3 UCCS Credits ELT 147 Digital Devices 1 3 PPCC Credits
12 th	English 7, 8 or Honors 7, 8(2) Math Analysis/Trigonometry or +Calculus (2) *Physics/AP Science Economics (1) ++Elective	**Civil Engineering/Architecture Honors or **Digital Electronics Honors	CEA ENGR 1506 Civil Engr. & Architecture 3 UCCS Credits CAD 224 Revit 3 PPCC Credits DE ENGR 1411 Digital Electronics 3 UCCS Credits ELT 147 Digital Devices 1 3 PPCC 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

APPLIED TECHNOLOGY – ENGINEERING

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)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: Concurrent enrollment
in college preparatory mathematics

Fee: \$20.00

IED is an introductory course, which develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern state-of-the-art computer hardware and software (Auto Cad with Mechanical Desktop). The course will emphasize the design and development processes of a product and how a model of that product is produced, analyzed and evaluated, using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities. 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)

Full Year

Grade: 10, 11, 12

Prerequisite: Geometry, a college bound science
and Introduction to Engineering Design 1, 2

Fee: \$20.00

Principles of Engineering is a course that helps students understand the field of engineering. By exploring various technology systems and processes, students learn how engineers and technicians use math, science and technology, while utilizing a hands-on engineering problem solving process to design solutions to problems. 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)

Full Year

Grade: 11, 12

Prerequisite: Concurrent enrollment
in college preparatory mathematics
or Architectural Drawing 4

Fee: \$20.00

The major focus of the Civil Engineering and Architecture course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. This course is intended to serve as a specialization course within the Project Lead the Way pre-engineering sequence.

DIGITAL ELECTRONICS 1, 2 H

(Project Lead the Way)

Course Length: 2 Semesters

Credit per Semester: 1.0

(Computer Education, Practical Arts or Elective)

Full Year

Grade: 11, 12

Prerequisite: Concurrent enrollment in college
preparatory mathematics or Principles of Engineering

Fee: \$25.00

Digital Electronics is a course designed to provide students with a basic understanding of electronic components as well as use of digital logic. Students begin by learning about the functions of basic electronic components, methods of connection, and arrangement of these components to perform various functions. Students will then learn how to maneuver from a word problem (a desired set of conditions), to the design of an electronic logic circuit, then using software to simulate the circuit and finally using actual components to prototype the circuit to perform the desired function. College credit is available for this class (see teacher or department chair for details).

INTRO TO COMPUTER SCIENCE (ICS, 0.5 Year)*First Semester or Second Semester*

(Project Lead the Way)

Course Length: 1 Semesters

Grade: 9

Credit per Semester: 1.0

Prerequisite: None

(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*Full Year*

(Project Lead the Way)

Course Length: 1 Semesters

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Concurrent enrollment in college preparatory mathematics

(Computer Education, Practical Arts or Elective)

Fee: \$20.00

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 H*Full Year*

(Project Lead the Way)

Course Length: 1 Semesters

Grade: 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Computer Science Essentials; concurrent enrollment in college

(Computer Education, Practical Arts or Elective)

preparatory mathematics

Fee: \$20.00

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.

COMPUTER SCIENCE A*Full Year*

(Project Lead the Way)

Course Length: 1 Semesters

Grade: 11, 12

Credit per Semester: 1.0

Prerequisite: Computer Science Essentials; concurrent enrollment in college preparatory mathematics

(Computer Education, Practical Arts or Elective)

Fee: \$20.00

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.

Doherty High School Applied Technology Automotive Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructor
Brad Wheaton



Grade	Core Curriculum	Pathway Curriculum	PPCC Credit Courses
9 th	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
10 th	Biology (2) English 3, 4 (2) Geometry 1,2 (2) US History (2) PE (1)/Health (1) Foreign Language (2)	Automotive Technology 2	
11 th	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
12 th	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 Advance 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)

First Semester or Second Semester

Grade: 9, 10 (11, 12 if space is available)

Prerequisite: None

Fee: \$15.00

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)

First Semester or Second Semester

Grade: 10 (11, 12 if space is available)

Prerequisite: Auto Tech 1

Fee: \$15.00

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)

Full Year

Grade: 11, 12

Prerequisite: Teacher approval; Auto 1,2 Length: 2 Years

(A vocational certificate may be obtained in Vocational Auto Mechanics)

Fee: \$30.00

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.

BUSINESS / MARKETING / DIGITAL MEDIA EDUCATION

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>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:</p> <p>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</p> <p>The one required credit of Computer Education may be fulfilled by:</p> <p>Computer Applications Website Design 1, 2</p>	<p>College Credit Available for: Accounting 1, 2 (H) Advanced Video Production 1, 2 (H) Business and Marketing Essentials Personal and Financial Leadership Marketing and Advertising 1, 2 Personal and Financial Leadership Video Production 1, 2 (H) Entrepreneurship 1, 2</p> <p>Certifications available for: Accounting 1, 2 (H) Website Design 1, 2</p>

Doherty High School Business/Marketing/Digital Media Business Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructors
Dave Micci
Molly Bonville
Charmyn Neumeyer
Bruce Cole



Future Business Leaders of America

Grade	Core Curriculum	Pathway Curriculum	College Course Name
9 th	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 th	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 3 PPCC Credits
11 th	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
12 th	English 7, 8 (2) Math Analysis/Trigonometry or +Calculus (2) *Physics/AP Science Economics (1) ++Elective	Entrepreneurship 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)

Doherty High School Business/Marketing/Digital Media

Marketing Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructors
Dave Micci
Bruce Cole
Molly Bonville



Associa

Grade	Core Curriculum	Pathway Curriculum	College Course Name
9 th	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 th	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 3 PPCC Credits
11 th	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 th	English 7,8 (2) Math Analysis/Trigonometry or +Calculus (2) *Physics/AP Science Economics (1) ++Elective	Entrepreneurship 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

Doherty High School Business/Marketing/Digital Media

Digital Media Plan of Study

Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructors
Molly Bonville
Charmyn Neumeyer
Dave Micci
Bruce Cole

Grade	Core Curriculum	Pathway Curriculum	College Course Name
9 th	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)	Computer Applications	Colorado Creative Careers
10 th	Biology/ Chemistry (2) English 3, 4 (2) Geometry 1, 2 or + Algebra H (2) *World Language (2) US History (2) PE (1) Health (1)	Video Production 1,2 (H)	MGD 164 Digital Video Editing I 3 PPCC Credits
11 th	English 5, 6 (2) Algebra 3, 4 or +Pre-Calculus (2) Chemistry/Physics (2) Government (1) Social Studies (1) ++Elective	Advanced Video Production 1,2 Website Design 1,2	MGD 164 Digital Video Editing I 3 PPCC Credits Certification Available
12 th	English 7, 8 (2) Math Analysis/Trigonometry or +Calculus (2) *Physics/AP Science Economics (1) ++Elective	Broadcast Video Production 1,2 (Spartan Outlook TV)	

+ 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: Colorado Creative Careers

BUSINESS / MARKETING / DIGITAL MEDIA EDUCATION

ACCOUNTING 1, 2

Honors Credit Available

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Instructor Approval

***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.

ADVANCED VIDEO PRODUCTION 1, 2

Honors Credit Available

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 11, 12

Prerequisite: Grade of B or better in

Video Production 1, 2 and Instructor Approval.

***Fee: \$10.00**

This course builds on the skills developed by students in Video Production. It is a laboratory-workshop class of students who produce Spartan Outlook TV, Doherty's video magazine, which is broadcast to the school bi-weekly, and on Channel 16, the D-11 cable channel. The duties of the students include writing, videotaping, editing, and performing in segments that include news, skits, events and personalities connected to life at school. Students will be expected to produce both individually and in groups. This course is appropriate for students who are preparing for careers in communications and media production, as well for those who want to develop advanced communication and collaboration skills that are valuable in college as well as in the workplace. Available for honors credit. Participation in Colorado Creative Careers is required. There are no dues required to be a member.

BUSINESS and MARKETING ESSENTIALS 1, 2

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: None

***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.

BROADCAST VIDEO PRODUCTION 1, 2

Honors Credit Available

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 12

Prerequisite: Grade of B or better in

Advanced Video Production 1, 2 and Instructor Approval

***Fee: \$10.00**

This course builds on the skills developed by students in Advanced Video Production 1-2. Third-year students in the video program are the senior producers of Spartan Outlook TV. At this level, they must meet higher expectations for evaluating segments for inclusion in the show, demonstrate superior collaboration and leadership skills and a commitment to broadcast quality television production standards. Available for honors credit. Participation in Colorado Creative Careers is required. There are no dues required to be a member.

COMPUTER APPLICATIONS

Course Length: 1 Semester

Credit per Semester: 1.0

(Computer Education, Practical Arts or Elective)

First Semester or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: None

***Fee: \$5.00**

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.

ENTREPRENEURSHIP 1, 2

Course Length: 2 Semester

Credit per Semester: 1.0

(Practical Art or Elective)

Full Year

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 and LEADERSHIP

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 9, 10, 11, 12

(Should be taken opposite semester of Personal

Finance)

Prerequisite: None

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

Leaders know the way, got the way, and show the way. This class develops an understanding of what makes you tick. You will learn about your leadership style, develop personal management skills, and set a course for your life that will empower you to excel in athletics, relationships and your career. Learn how to work with various personalities, develop your own leadership skills, and become a more effective communicator.

Successful people do not let their money manage them, they tell their money what to do for them. You will learn how to lead your personal finances so you can create personal wealth and maintain the standard of living you expect. Budgeting, investing, taxes, and financial planning are included in this class. This is a project base learning class. Students will be encouraged to participate in DECA or FBLA. Dues for DECA are \$40.00 and/or dues for FBLA are \$40.00.

MARKETING and ADVERTISING 1, 2

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: None

***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)

First Semester or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: None

***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: and 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)

First Semester or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: None

***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: and 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.

VIDEO PRODUCTION 1, 2

Honors Credit Available

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: None

***Fee: \$10.00**

This introductory course is project-based and collaborative. The students demonstrate proficiency through a variety of hands-on productions that are shot on HD camcorders, uploaded and edited with Adobe Premiere Pro CS6 or Final Cut Pro—industry-standard video editing applications—and finally exported into a usable format for the intended audience. Students learn and practice professional video production techniques, including preproduction, production, and post-production phases. Quality (of audio, lighting, shots, composition, effects, story, and editing) is stressed throughout the course. Students will also explore the ways video communicates with viewers and the methods by which it does so effectively. Media literacy, project planning, and creative production are equally balanced. This course is appropriate for students preparing for careers in communications and media production, as well as for those students who desire to create personal videos of professional quality. Introduction to Video articulates to Pikes Peak Community College (MGD 164) and is college-level in many respects. Participation in Colorado Creative Careers is required. There are no dues required to be a member.

WEBSITE DESIGN 1,2 (H)

Course Length: 2 Semesters

Credit per Semester: 1.0

(Computer Education, Practical Arts, or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Computer Applications or Instructor

Approval

***Fee: \$5.00 * \$40.00 for FBLA**

This course is fast pace and rigorous as it leads to certification. The Internet is an extensive network of information resources and is quickly being identified as an invaluable tool for business. The course emphasizes the development of technical writing skills and examines the opportunities and applications of multimedia for the Internet. This course will provide students with a general understanding of computers, how the internet works, the web design process, how to acquire web hosting and publish to it, and other concepts that any web designer should be familiar with. Students will be introduced to the basic concepts of graphic editing and how to prepare images for use on their web pages. They will also learn how to create quality images from scratch using the concepts that are common in most graphics packages. The HTML5 and CSS units will teach students the basics of creating web pages. The advanced HTML5 unit will increase student's skill level which will allow them to move into the Java Script and PHP units. This course will prepare students to take a web design certification test at no cost to them which will allow students to become website design certified while in high school if the test is passed with an 80% or higher. *Students will be encouraged to participate in FBLA. Dues for FBLA are \$40.00.

FAMILY & CONSUMER SCIENCE

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>The one required credit of Practical Arts 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.</p> <p>Catering Child and Adolescent Development Food Science Nutrition and Wellness Life Management Interior Design Introduction to Teaching thru Teacher Cadet 1, 2 H Pro-Start 1, 2; 3, 4</p>	<p>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>Introduction to Teaching thru Teacher Cadet 1, 2 H Pro-Start 1, 2; 3, 4</p>

Doherty High School Family and Consumer Science Culinary Arts Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructors
Chris Flemr
Barbara Rohn



Grade	Core Curriculum	Pathway Curriculum	Postsecondary Options
9 th	English 1, 2, Algebra 1, 2 or Geometry 1, 2 Physical Science/Earth Science, World History 1,2, PE	Culinary Nutrition Nutrition and Wellness	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.
10 th	English 3,4 Algebra 3,4, or Geometry 3,4 Biology 1, 2 US History 3, 4, Foreign Language, PE/Health	Food Science 1/2 Catering 1/2	Industry Recognized Certificates/Licenses: ServSafe Certificate ProStart National Certification
11 th	English 5, 6 US Government or SS Elective Human Anatomy or Physics Foreign Language	ProStart 1/2 <i>Suggested CTE Electives:</i> Life Management Accounting	
12 th	English Elective (2), Economics, Math Elective, Foreign Language	ProStart 3/4 <i>Suggested CTE Electives:</i> 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)

FAMILY & CONSUMER SCIENCE – CULINARY ARTS

FOOD SCIENCE and NUTRITION 1, 2

Course Length: 1 Semester

Credit per Semester: 1.0

(Science, Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: None

Fee: \$50.00

What is the hidden science in food preparation and storage? How does your diet affect your health? What career choices are available in the food sciences field? This course involves concepts from a variety of sciences including biology, chemistry and physics as they relate to individual diet and health. Using basic scientific methods students will explore the production, processing, preparation, utilization and evaluation of food. Students will acquire knowledge of the essential nutrients and their impact on the body. The class will enhance general math and technical writing skills through the organization, presentation and analysis of scientific data gathered in a kitchen lab environment.

NUTRITION and WELLNESS

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

First or Second Semester

Grade: 10, 11, 12

Prerequisite: None

Fee: \$25.00

This course is designed to emphasize foods in relationship to total wellness. Special areas of interest will include: fad diets, ideal weight and fitness, sports nutrition, new food trends, outdoor cookery, convenience foods, and microwave cooking. Lab experiences will enhance wellness topics.

CULINARY NUTRITION

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

First or Second Semester

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$25.00

The purpose of this course is to develop lifelong, healthy individuals with an understanding of healthy and nutritious preparation techniques utilizing various resources and skills. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient-dense seasonal foods, sports nutrition, exploring careers related to culinary nutrition and practicing wise consumer decisions. Emphasis will be placed on proper kitchen and food preparation skills, including measuring, knife skills, and knowledge of proper use of equipment and tools.

CATERING 1, 2

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: One of the following: Culinary Nutrition; Food Science; Nutrition & Wellness or Teacher approval

Fee: \$25.00 a semester

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

(Practical Arts or Elective)

Full Year (2 year course of study)

Grade: 11, 12

Prerequisite: One of the following: Culinary Nutrition; Food Science; Nutrition & Wellness or Teacher approval

Fee: \$25.00 a semester

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 one plus years of mentored industry work internships in a broad spectrum of operations. This program is articulated with Pro Management post-secondary programs. (The exact number of college credits is yet to be determined.) Pro Start 1, 2 is taught alternately with Pro Start 3, 4.

Doherty High School Family and Consumer Science Teaching Plan of Study



Principal
Kevin Gardner
Supervising Assistant Principal
Lana Flenniken
Instructors
Chris Flemr
Barbara Rohn



Grade	Core Curriculum	Pathway Curriculum	Postsecondary Options
9 th	English 1,2 Algebra 1, 2 or Geometry 1, 2, Physical Science/Earth Science, World History 1/2, PE	Culinary Nutrition and/or Nutrition and Wellness <i>Suggested CTE Electives:</i> 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.
10 th	English 3, 4 Algebra 3, 4, or Geometry 3, 4 Biology 1,2 US History 3, 4, Foreign Language PE/Health	Child and Adolescent Development Life Management	
11 th	English 5, 6 US Government or SS Elective Human Anatomy or Physics Foreign Language	Teacher Cadet 1 <i>Suggested Elective:</i> Psychology	
12 th	English Elective (2), Economics, Math Elective, Foreign Language	Teacher Cadet Internship <i>Suggested Electives:</i> 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)

FAMILY & CONSUMER SCIENCE – TEACHER EDUCATION

CHILD and ADOLESCENT DEVELOPMENT

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

First or Second Semester

Grade: 10, 11, 12

Prerequisite: None

Fee: \$10.00

This class is designed to help students become effective future parents. Students will understand the responsibilities of parenthood and practice techniques for nurturing productive, caring children. Through a variety of classroom activities including discussions, individual and group interaction projects, guest speakers, and visual aids, students will learn skills for caring for children as well as the importance of self-care and caring for the community.

LIFE MANAGEMENT

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

First Semester or Second Semester

Grade: 11, 12

Prerequisite: None

Fee: \$10.00

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

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 11, 12

Prerequisite: Application process to include teacher interview

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.

A second year experience is available at the teacher's discretion. This is an independent study course.

ALTERNATIVE COOPERATIVE EDUCATION (ACE)

Semester Credit Options

Satisfactory Class Work = 1 Credit + 135 Hours of Successful Work = 1 Credit Total: 2 Credits

OR

Satisfactory Class Work = 1 Credit + 270 Hours of Successful Work = 2 Credits Total: 3 Credits
--

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

ALTERNATIVE COOPERATIVE EDUCATION (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; **IDEALLY** taken concurrently with ACE Work

Fee: \$15.00

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

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

Second Semester

Grade: 11, 12

Prerequisite: Successful completion of ACE 1 or counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

Fee: \$15.00

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

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

First Semester

Grade: 12

Prerequisite: Successful completion of ACE 2 or counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

Fee: \$15.00

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

Course Length: 1 Semester

Credit per Semester: 1.0

(Practical Arts or Elective)

Second Semester

Grade: 12

Prerequisite: Successful

completion of ACE 3 or counselor and instructor recommendation; **IDEALLY** taken concurrently with ACE Work

Fee: \$15.00

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.

ENGLISH

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>The 8 required credits of English include specifically English 3/4 and English 5/6.</p> <p>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</p> <p>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:</p> <p>Forensics 1,2; 3,4; 5,6; 7,8 Journalism 1,2 Yearbook 1,2; 3,4; 5,6; 7,8</p>	<p>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):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>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</p> <p>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.</p> <p>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:</p> <p>Forensics 1,2; 3,4; 5,6; 7,8 Journalism 1,2</p>

ENGLISH

ENGLISH 1,2 *

Course Length: 2 Semesters

Credit per Semester: 1.0

(English Requirement or Elective)

Full Year

Grade: 9

Prerequisite: None

Primary emphasis is placed on the development of logical thinking skills and expository writing and speaking. By the end of grade nine, students should consistently apply proofreading and revising skills involving basic grammar, mechanics, spelling, clarity, and effectiveness. Reading skills stress vocabulary development, interpretation, analysis, and evaluation. Using the vocabulary of literary elements, students both talk and write about literature. Speaking activities include instruction in explanation and supported opinion. Evaluative, critical listening is incorporated. Thinking skills include: sequencing, concluding, implying, rephrasing, recognizing authority, comparing, contrasting, ordering by importance, developing cause and effect relationships, recognizing assumptions and distinguishing literal versus figurative meanings.

ENGLISH 1,2 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(English Requirement or Elective)

Full Year

Grade: 9

Prerequisite: Teacher approval

This is the first course of a four-year program for highly motivated, **disciplined** and capable students. Students will study a broad sampling of literature that emphasizes conceptual critical skills in reading, writing, and discussion. The sequence is designed to provide instruction in challenging skills and the opportunity to take Advanced Placement in the senior year. Summer reading is required and **deadlines are enforced**.

ENGLISH 3,4*

Course Length: 2 Semesters

Credit per Semester: 1.0

(English Requirement or Elective)

Full Year

Grade: 10

Prerequisite: Recommended English 1,2

This required course for sophomores includes the study of the five basic skills: reading, writing, speaking, listening and viewing. Emphasis, however, is placed on reading with understanding and writing with clarity of ideas and correctness of mechanics. The reading materials may include novels, plays, etc. Students may be required to revise their papers until their work is acceptable. A variety of materials are used to accommodate achievement levels of students.

ENGLISH 3,4 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(English Requirement or Elective)

Full Year

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. Summer reading will be required.

ENGLISH 5,6*

Course Length: 2 Semesters

Credit Per Semester: 1.0

(English Requirement or Elective)

Full Year

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*

Course Length: 2 Semesters

Credit Per Semester: 1.0

(English Requirement)

Full Year

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)

Full Year

Grade: 12

Prerequisite: English 1-6

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 capstone 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)

Full Year

Grade: 12

Prerequisite: A minimum score of 18 on the ACT English test **OR** a 95 on the Accu place for 7 H concurrent enrollment. For honors credit only a minimum of 16 on the ACT English test **AND** teacher recommendation and instructor approval. English 7 H is prerequisite for 8 H.

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)

Full Year

Grade: 12

Prerequisite: AP Language or 5/6 Honors with a "C" or better **OR** an "A" grade in English 5,6 with teacher recommendation and instructor approval

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)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: Teacher approval; application required

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)

First Semester or Second Semester

Grade: 10, 11, 12

Prerequisite: None

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.

MATHEMATICS

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>The 6 required credits of Math can be fulfilled by any of the classes in the Mathematics department.</p> <p>Algebra 1,2 Algebra 1,2 H; 3,4 H Calculus AB 1 AP Calculus 2 AP Consumer Math 1,2 Foundations in Algebra Functions/Stats/Trigonometry 1,2 Geometry 1,2 Geometry 1,2 H Integrated Math 1,2 Pre Calculus 1,2 (+H) Math Analysis/Trigonometry 1,2 Statistics AP Topics in Math 1,2</p>	<p>The following courses can be used to fulfill the requirement for <i>Mathematics which must be at the level of Algebra 1 and higher</i> (4 years/8 semesters):</p> <p>Any Honors, Advanced Placement, or college-level courses.</p> <p>Algebra 1,2 Algebra 1,2 H; 3,4 H Calculus Functions/Trigonometry 1,2 Geometry 1,2 Geometry 1,2 H Integrated 1,2 Pre Calculus 1,2 (+H) Statistics Topics in Math</p> <p>Note: When Algebra 1 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.</p>

MATHEMATICS

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.

FOUNDATIONS IN ALGEBRA 1,2

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 9 or 10

Prerequisite: Teacher placement only/A placement test will be administered

This intervention course is designed for students who have not mastered the basic skills of Mathematics 8/Pre Algebra; however it will provide a strong foundation for future courses in Algebra and Geometry. Topics to be covered include fractions, rates, proportions, signed numbers, order of operations, variables and expressions; equations and inequalities; factors and exponents; rational numbers and functions. Students work in the computer lab doing individualized learning on a web base program, ALEKS.

ALGEBRA 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 9, 10

Prerequisite: Mathematics 8 or Foundations in Algebra

This course deals with the fundamental concepts of algebra focusing on those topics related to evaluating expressions and solving equations. Topics include linear and quadratic algebra, systems of equations, graphing, inequalities, radicals and real numbers, functions (to include exponential and polynomial), and introductory geometry. Students will develop algebraic concepts and skills through a problem solving and investigative approach using a blend of technology related tools and paper and pencil problem solving skills. A scientific calculator is required and/or a graphing calculator (TI84) is recommended.

ALGEBRA 1,2 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 9

Prerequisite: Algebra 1,2 or Math 8 with teacher recommendation

This course is a traditional Algebra course that will cover 12 chapters of an Algebra 1 textbook. It is a rigorous and fast-paced course that will prepare students to take the Honors sequence including Geometry Honors, Algebra 3,4 Honors, and Pre-Calculus Honors. The concepts covered include linear functions, systems of linear equations and inequalities, polynomials and factoring, quadratic and exponential functions, radical expressions and triangles, rational expressions and equations, and statistics and probability. A special project may be required. A graphing calculator is required for this course. TI84 Plus or Silver Editions is recommended.

MASTERY MATH 1

Course Length: 1 Semester

Credit per Semester: 1.0

(Math Requirement)

Second Semester

Grade: 9, 10

Prerequisite: Teacher placement only

Mastery Math is an intervention only class. It is designed to assist students who fall below the 70% success rate in Algebra 1. The course covers essential Algebra 1 topics: multiplication, signed numbers, order of operations, equations and word problems. Grades for the course are A or F only. Upon completion of the course students are re-enrolled in Algebra 1. Calculators are not allowed in this class.

MASTERY MATH 2

Course Length: 1 Semester

Credit per Semester: 1.0

(Math Requirement)

First Semester

Grade: 9, 10

Prerequisite: Teacher placement only

Mastery Math 2 is an intervention only class. It is designed to assist students who fall below the 70% success rate in Algebra 2. The course covers essential Algebra 2. The course covers Algebra 2 essential topics, rational expressions, equations, radicals, factoring, graphing, and story problems. Grades for the course are A or F only. Upon completion of the course students are re-enrolled in Algebra 2. Calculators are used on a limited basis in this class.

ALGEBRA 3,4*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Geometry 1,2; Algebra 1,2

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

(Math Requirement or Elective)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: Geometry 1, 2 H and teacher approval

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

Relations and functions

Matrices

Determinants

Probability

Trigonometry

Polynomial functions

Graphing

Series and sequences

Quadratics

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.

GEOMETRY 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Algebra 1,2

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.

GEOMETRY 1,2 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 9, 10

Prerequisite: Algebra 1,2 and teacher approval

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

(Math Requirement or Elective)

Full Year

Grade: 11, 12

Prerequisite: Algebra 3,4

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

(Math Requirement or Elective)

Full Year

Grade: 11, 12

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 required 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

(Math Requirement or Elective)

Full Year

Grade: 10, 11, 12

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. TI84 Plus or Silver Edition graphing calculators are recommended.

CALCULUS AB ADVANCED PLACEMENT 1*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirements or Elective)

Full Year

Grade: 11, 12

Prerequisite: Pre-Calculus 1,2 H and teacher recommendations

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

(Math Requirements or Elective)

Full Year

Grade: 12

Prerequisite: Calculus AB AP 1 and teacher recommendation

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

(Math Requirements or Elective)

Full Year

Grade: 11, 12

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, principles of designing experiments, surveys and samples, describing and mathematically modeling distributions of data, drawing inferences through statistical testing including confidence intervals and use 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

Web Assign Fee: \$10.50

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)

Full Year

Grade: 12

Prerequisite: Teacher approval only

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.

TOPICS IN MATHEMATICS 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Math Requirement or Elective)

Full Year

Grade: 12 ONLY

Prerequisite: Geometry 1,2 and have tried Algebra 3,4 and teacher approval

Topics in Math follows the approach of making mathematics relevant by using skills in a problem-solving, environment. The goals are to develop proficiency with mathematical skills, to expand understanding of mathematical concepts, and to improve logical thinking. Topics include logical thinking, sequences, functions, geometry, statistics, probability, logarithms, polygons, and personal financial literacy. Graphing calculators are required for this course.

MUSIC/PERFORMING ARTS

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>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.</p> <p>Chamber Orchestra 1,2 Jazz Ensemble 1,2; 3,4 Marching Band Concert Band 1,2 Symphonic Band 1,2 Symphonic Orchestra 1,2 Wind Ensemble 1,2</p> <p>Acappela Choir Chamber Singers 1,2 Concert Choir 1,2 SSSA (Eclectic Choir) Jazz/Show Choir 1,2 Tenor, Tenor Baritone/Bass Choir 1,2</p> <p>Advanced Acting 1,2 Introduction to Theatre 1,2 Tech Theater/Intermediate Theater</p> <p>Color Guard</p>	<p>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>Chamber Orchestra 1,2 Jazz Ensemble 1,2; 3,4 Marching Band Concert Band 1,2 Symphonic Band 1,2 Symphonic Orchestra 1,2 Wind Ensemble 1,2</p> <p>Acappela Choir Chamber Singers 1,2 Concert Choir 1,2 SSSA (Eclectic Choir) Jazz/Show Choir 1,2 Tenor, Tenor Baritone/Bass Choir 1,2</p> <p>Advanced Acting 1,2 Introduction to Theatre 1,2 Tech Theater/Intermediate Theater</p>

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

Course Length: 1 Semester

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Previous band experience

(Humanities or Elective)

Additional fees will be required

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 (328-6428).

CONCERT BAND

Full Year

Honors Credit Optional

Course Length: 1 Semester

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Previous band experience

(Humanities or Elective)

encouraged but not required

Concert Band is designed to help prepare students with the skills necessary to participate in Symphonic Band. Previous band experience is encouraged, but not a requirement. Literature is geared to the members' abilities with emphasis being placed on improvement of tone quality, reading skills, and technical proficiency. This 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. Contact the band office for details of summer rehearsals and band camps (328-6428).

SYMPHONIC BAND

Full Year

Honors Credit Optional

Course Length: 1 Semester

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Previous band experience

(Humanities or Elective)

Additional fees may be required

Symphonic Band is designed to help students with the skills necessary to participate in Wind Ensemble. Literature is geared to the members' abilities with emphasis being placed on improvement of tone quality, reading skills, and technical proficiency. This 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. Symphonic Band members also participate in Pep Band. Contact the band office for details of summer rehearsals and band camps (328-6428).

WIND ENSEMBLE

Honors Credit Optional

Course Length: 1 Semester

Credit per Semester: 1.0

(Humanities or Elective)

Wind Ensemble provides the opportunity to develop an understanding and appreciation of music through performance. This 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. Wind ensemble members also participate in Pep Band. Contact the band office for details of summer rehearsals and to register for band camp (328-6428).

Full Year

Grade: 10, 11, 12

Prerequisite: **By audition only**

Additional fees may be required

JAZZ BAND 1,2

Honors Credit Optional

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Jazz Band meets as a 0 hour class before school. Students must be enrolled in Marching Band, Symphonic Band or Wind Ensemble exceptions with teacher approval only). Only those students who demonstrate a thorough knowledge and understanding of their instrument will be considered for inclusion in this elite group. Basic instrumentation includes saxophone, trumpet, trombone, piano, bass, guitar, and trap set. Jazz Band performs at assemblies, concerts, and various community events. This band provides an opportunity for the student to study and perform music in the jazz idiom. Attendance at scheduled performances is required. Contact the band office for details (328-6428).

Full Year

Grade: 9, 10, 11, 12

Prerequisite: **By audition only**

MUST be a member of Marching Band, Concert Band, Symphonic Band or Wind Ensemble

Additional fees may be required

JAZZ BAND 3,4

Honors Credit Optional

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Jazz Band meets as a 0 hour class before school. Students must be enrolled in Marching Band, Symphonic Band or Wind Ensemble (exceptions with teacher approval only). Only those students who demonstrate a thorough knowledge and understanding of their instrument will be considered for inclusion in this elite group. Basic instrumentation includes saxophone, trumpet, trombone, piano, bass, guitar, and trap set. Jazz Band performs at jazz festivals, assemblies, concerts, and various community events. This band provides an opportunity for the student to study and perform music in the jazz idiom. Attendance at scheduled performances is required and is considered part of the student's grade. Contact the band office for details (328-6428).

Full Year

Grade: 10, 11, 12

Prerequisite: **By audition only**

MUST be a member of Marching Band, Concert Band, Symphonic Band or Wind Ensemble

Additional fees may be required

SYMPHONIC ORCHESTRA 1,2

Honors Credit Optional

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

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.

Full Year

Grade: 9, 10, 11, and 12

Prerequisite: 3 years of playing experience in orchestra or 2 year private lessons

CHAMBER ORCHESTRA 1, 2

Full Year

Honors Credit Optional

Substantive additional projects will be required.)

Course Length: 2 Semesters

Grade: 10, 11, and 12

Credit per Semester: 1.0

Prerequisite: **Teacher approval by audition**

(Humanities or Elective)

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

Full Year

Honors Credit Optional

Course Length: 2 Semesters

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: None

(Humanities or Elective)

Additional Fees will be 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)

Full Year

Honors Credit Optional

Course Length: 2 Semesters

Grade: 10, 11, 12

Credit per Semester: 1.0

Prerequisite: **Audition 9th grade by director approval only**

(Humanities or Elective)

Additional Fees will be 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 major choirs. Eclectic also performs at a variety of festivals during the year. This course may be taken for Honors Credit.

CHAMBER SINGERS (ODYSSEY)

Full Year

Honors Credit Optional

Course Length: 2 Semesters

Grade: 10, 11, 12

Credit per Semester: 1.0

Prerequisite: **Audition 9th grade by director approval only**

(Humanities or Elective)

Additional Fees will be 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

Full Year

Honors Credit Optional

Course Length: 2 Semesters

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Level III vocal music or instructor approval

(Humanities or Elective)

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)

Full Year

Honors Credit Optional

Course Length: 2 Semesters

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: None

(Humanities or Elective)

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 and opportunity for the students to develop vocal skills, and musical knowledge as well as perform literature written for tenor, baritone, and bass voices.

THEATRE

INTRODUCTION TO THEATRE 1,2

Full Year

Course Length: 2 Semesters

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: None

(Humanities or Elective)

Introduction to Theatre is an introductory study of theatre arts. It will cover acting, stagecraft, theatre history, viewing and evaluating, review writing, etc. Activities include voice development, basic movement, pantomime, and improvisation, all of which culminate in scene performance.

INTERMEDIATE THEATRE

Full Year

Course Length: 2 Semesters

Grade: 9, 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Introduction to Theatre 1,2

(Humanities or Elective)

Juniors and seniors may apply to begin at intermediate level

This course will combine acting, directing, design, and technical production skills. Included in this course will be script analysis and performance, technical design in lighting, set, sound, props costumes and basic directing skills. Students will be expected to produce a one-act festival at the end of the semester. Students will be allowed to choose between technical design and acting. Directors will be chosen based on experience.

ADVANCED ACTING

Full Year

Course Length: 2 Semesters

Grade: 10, 11, 12

Credit per Semester: 1.0

Prerequisite: Introduction to Theatre 1,2, or Teacher approval

(Humanities or Elective)

This course 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. The course will also include an 8-week study of the technical aspects of the theatre, and students may be assigned to technical duties for various performing arts productions. Students will learn about lighting, sound, set construction, props, publicity, scene painting, costume and makeup.

TECHNICAL THEATER 1

Course Length: 2 Semesters

Credit per Semester: 1.0

(Practical Arts or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: None

This course is open to students who wish to understand the technical aspects of the theater. They will be assigned technical duties for the main stage production of that semester. Students will learn lighting, sound, set construction, props, scene painting, publicity, costumes and make-up in this hands-on course.

PLEASE NOTE THAT INTERMEDIATE THEATRE AND TECHNICAL THEATRE CAN OCCUR DURING THE SAME CLASS PERIODS.

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)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: None

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)

Full Year

Grade: 10, 11, 12

Prerequisite: Naval Science I

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)

Full Year

Grade: 11, 12

Prerequisite: Naval Science II and Approval of Naval Science instructor

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

Course Length: 2 Semesters

Credit per Semester: 1.0

(Elective Credit)

Full Year

Grade: 12

Prerequisite: Naval Science III and Approval of
Naval Science instructor

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

Course Length: 2 Semesters

Credit per Semester: 1.0

(Elective Credit)

Full Year

Grade: 9, 10, 11

Prerequisite: Naval Science I (1 semester) and
currently enrolled in Naval Science I, II or III
Naval Science instructor approval is required
**(May be entered second semester by freshmen
Naval Science I students with Naval Science
instructor approval)**

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 and 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.**

PHYSICAL EDUCATION

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

Course Length: 1 Semester

Credit per Semester: 1.0

(Physical Education or Elective)

First Semester or Second Semester

Grade: 9

Prerequisite: None

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

Course Length: 1 Semester

Credit per Semester: 1.0

(Physical Education or Elective)

First Semester or Second Semester

Grade: 10, 11, 12

Prerequisite: Physical Education 9

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

ZERO HOUR 6:30-7:25 A.M.

Course Length: 1 Semester

Credit per Semester: 1.0

(Physical Education or Elective)

First Semester, Second Semester or Both

Grade: 10, 11, 12

Prerequisite: Physical Education 9

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

Course Length: 1 Semester

Credit per Semester: 1.0

First Semester, Second Semester or Both

Grade: 10, 11, 12

Prerequisite: Completed 1 semester of PE 9

Fee: \$10.00

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 require 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

Course Length: 1 Semester

Credit per Semester: 1.0

(Physical Education or Elective)

First Semester or Second Semester

Grade: 10,11, 12

Prerequisite: 15 Years of age/advanced swimming skills; 1 semester of PE 9

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

Course Length: 1 Semester

Credit per Semester: 1.0

(Physical Education or Elective)

First Semester or Second Semester

Grade: 11, 12

Prerequisite: Completed 1 semester of PE 9 and 1 semester of PE 10

Fee: \$25.00

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

HEALTH

Course Length: 1 Semester

Credit per Semester: 1.0

First Semester or Second Semester

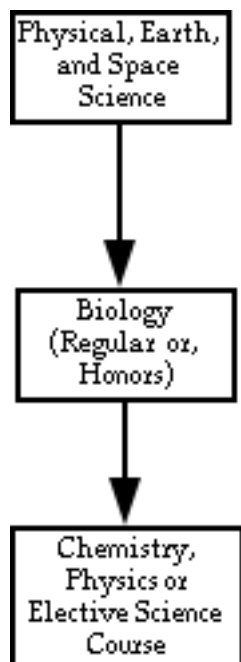
Grade: 10

Prerequisite: None

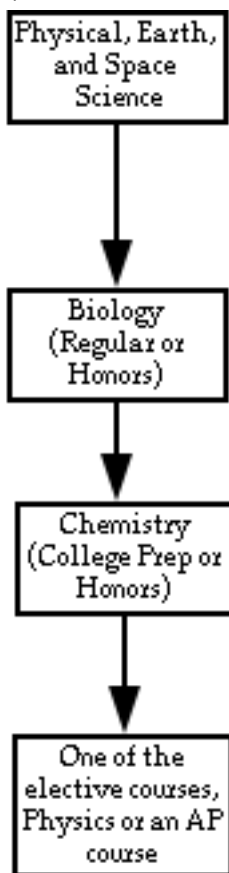
This course will influence attitudes toward health, which will promote respect for the human mind and body and the factors which foster optimum healthful living. Good health shall be identified as mental, social and physical well-being, and not merely the absence of disease and infirmity. Emphasis will 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.

SUGGESTED SCIENCE COURSE SEQUENCE

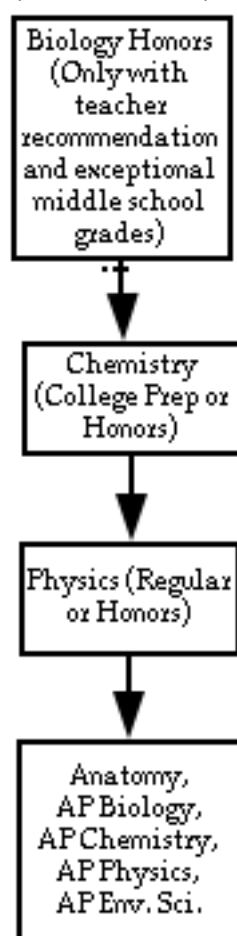
School-to-Career Path



College Prep Path (Not science oriented)



College Prep Path (Science oriented)



Elective Science Courses:

- Oceanology
- Anatomy and Physiology
- Environmental Science
- Astronomy

Advanced Placement Courses:

- Biology
- Chemistry
- Environmental Science
- Physics

*This is a very general overview of Doherty's science courses. There will be cases where a student will certainly want to "double-up" science courses. Many students will begin as freshmen in Physical, Earth, and Space Science, and then want to take more than three additional science courses. Students should discuss these options with their science teachers, counselors and parents.

Starting with the graduating class of 2021 the district graduation requirements for science are as follows:

- 2 Credits in Biology (Regular, Honors or AP)
- 2 Credits in Physical Science (PESS, Chemistry, or Physics)

SCIENCE

EARTH, SPACE & PHYSICAL SCIENCE*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 9, 10

Prerequisite: None

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.

ENVIRONMENTAL SCIENCE*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 11, 12

Prerequisite: Earth, Space & Physical Science and Biology

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

Requirement or Elective)

Full Year

Grade: 11, 12

Prerequisite: Chemistry, Biology, two years of (Science mathematics beyond Algebra

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.

BIOLOGY 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Successful completion of Earth, Space & Physical Science

This is a comprehensive course designed to provide students with the key biological concepts to meet state and district standards. Topics include cell structure and function, general plant and animal biology, and ecological interactions among organisms. Biology skills and processes include problem solving, critical thinking, and hands on laboratory experiences.

BIOLOGY 1,2 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 9, 10

Prerequisite: 9th grade by 8th grade teacher
on recommendation form only

Grade 10, 11, 12 must have successful completion of Earth, Space & Physical Science

Honors Biology is a science course for high school students with a strong interest in science. Instruction includes analysis, synthesis, and evaluation of information obtained from print and laboratory research. Students are expected to do independent research, plan investigations, practice self-evaluation, and give evidence of applying knowledge outside the classroom. This is a comprehensive course designed to provide students with the key biological concepts to meet state and district standards.

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.

Full Year

Grade: 11, 12

Prerequisite: Biology **and** Chemistry**Lab Fee and lab text fees: \$50****COLLEGE-PREP CHEMISTRY***

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

This is a quantitative and descriptive science that deals with the composition of matter, the change of composition of matter and the energy involved in these changes. Chemistry is also concerned with the properties and structures of matter. Independent problem solving and open-ended labs are required.

Full Year

Grade: 10, 11, 12

Prerequisite: Algebra 1,2

COLLEGE PREP CHEMISTRY 1,2 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

This is a quantitative and analytical study of the composition of matter, the change of composition of matter, and the energy involved in these changes. Properties and structures of matter are analyzed. This course deals with the topics from College-Prep Chemistry in greater depth and complexity. Higher reasoning skills are demanded, more out-of-class work is required, and independent study skills are utilized.

Full Year

Grade: 10, 11, 12

Prerequisite: Algebra 1,2; **Pre-test and Teacher approval****CHEMISTRY ADVANCED PLACEMENT***

Course Length: 2 Semesters

Credit per Semester: 1.0

(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.

Full Year

Grade: 11, 12

Prerequisite: College-Prep Chemistry or Honors Chemistry; Algebra 3,4

HUMAN ANATOMY and PHYSIOLOGY 1,2***Honors Credit Available**

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

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.

Full Year

Grade: 11, 12

Prerequisite: Successful completion of Biology

Lab and lab text fees: \$20**OCEANOLOGY***

Course Length: 1 or 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

This course is a study of the oceans of the world. The biological, chemical, geologic and physical aspects of the oceans are presented in detail. Historical oceanology, environmental considerations, and career opportunities are examined through the study of oceanology.

*Full Year*Grade: 11, 12 (**Grade 10 if space is available**)

Prerequisite: Algebra 1,2; Earth, Space & Physical Science and Biology

Lab fees: \$15

PHYSICS 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 11, 12

Prerequisite: Algebra 3,4; Chemistry 1, 2

Web Assign Fee: TBA

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*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 11, 12

Prerequisite: Completion of or con-current with Trigonometry; **Pre-test and Teacher****approval; successful completion of Chemistry****Web Assign Fee: \$15**

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

Credit per Semester: 1.0

(Science Requirement or Elective)

Full Year

Grade: 12

Prerequisite: Physics (regular or honors),

Calculus (completion or concurrent) required

Web Assign Fee: \$15

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.

SOCIAL STUDIES

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>The 6 required credits of Social Studies includes <i>specifically</i> 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.</p> <p>Criminal and Constitutional Law American Popular Culture Current Issues Geography: People and Places Principles of Economics Psychology Sociology U.S. Government U.S. History Reconstruction to Present 1,2 World History—1450 to Present 1,2</p> <p>The required semester of Economics is a “stand alone” graduation requirement and is not included in the 6 required credits of Social Studies.</p> <p>Economics</p>	<p>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):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>Economics Geography: People and Places Principles of Economics Psychology Sociology U.S. Government U.S. History Reconstruction to Present 1,2 World History—1450 to Present 1,2</p> <p>The following courses can be used to fulfill the requirement for 2 units of Academic Electives (2 years/4 semesters):</p> <p>Criminal and Constitutional Law American Popular Culture Current Issues</p>

SOCIAL STUDIES

21st CENTURY GEOGRAPHY and WORLD HISTORY 1,2*

Full Year

See description below -

21st CENTURY GEOGRAPHY and WORLD HISTORY 1,2 H•*

Full Year

Course Length: 2 Semesters

Grade: 9

Credit per Semester: 1.0

Prerequisite: None

(Social Studies Requirement or Elective)

*Teacher/counselor approval

World History is a survey of major developments in the history of the world from 1450 to the present day. World geography will also be emphasized. The study of our world's past will reveal historical, political, economic, social, and cultural connections and relationships. An appreciation of predominately western heritage and an understanding of how world events relate 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.

UNITED STATES HISTORY 3,4 *

Full Year

See description below -

UNITED STATES HISTORY 3,4 H*

Full Year

Course Length: 2 Semesters

Grade: 10

Credit per Semester: 1.0

Prerequisite: None;

(Social Studies Requirement, Humanities or Elective)

* 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.

ECONOMICS

First Semester or Second Semester

Course Length: 1 Semester

Grade: 12

Credit per Semester: 1.0

Prerequisite: None

(Economics Requirement or Elective)

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.

PRINCIPLES OF ECONOMICS*

First Semester or Second Semester

Course Length: 1 Semester

Grade: 12

Credit per Semester: 1.0

Prerequisite: None

(Economics Requirement, Social Studies, Humanities or Elective)

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*

First Semester or Second Semester

Course Length: 1 Semester

Grade: 11, 12

Credit per Semester: 1.0

Prerequisite: None

(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)

First Semester or Second Semester

Grade: 11, 12

Prerequisite: None

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)

First Semester or Second Semester

Grade: 11, 12

Prerequisite: None

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)

First Semester or Second Semester

Grade: 11, 12

Prerequisite: None

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)

First Semester or Second Semester

Grade: 11, 12

Prerequisite: None

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)

Full Year

Grade: 11

Prerequisite: Teacher/counselor approval and successful completion of U.S. /World 3,4

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)

Full Year

Grade: 11, 12

Prerequisite: Teacher/counselor approval and successful completion of U.S. /World 3,4

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*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Social Studies, Humanities or Elective)

Full Year

Grade: 11, 12

Prerequisite: Teacher approval

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*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Economics Requirement, Social Studies, Humanities or Elective)

Full Year

Grade: 12

Prerequisite: Teacher/counselor approval

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*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Social Studies, Humanities or Elective)

Full Year

Grade: 11, 12

Prerequisite: Teacher approval
and successful completion of
U.S. /World 3,4

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*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Social Studies Requirement)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: Students should be able to read
college level texts and have excellent writing skills

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

SPECIAL EDUCATION

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.

WORLD LANGUAGES

DISTRICT 11 GRADUATION REQUIREMENTS	HIGHER EDUCATION ADMISSION REQUIREMENTS
<p>The two semesters of Humanities credit can be fulfilled by one year of any foreign language.</p> <p>French 1,2; 3,4; 5,6; 7,8 German 1,2; 3,4; 5,6; 7,8 Greek 1,2 Latin 1,2; 3,4; 5,6; 7,8 Spanish 1,2; 3,4; 5,6; 7,8</p>	<p>The following courses can be used to fulfill the requirement for <i>1 unit of the same language for those graduating in the class of 2010 and thereafter</i> (1 year/2 semesters):</p> <p>Any Honors, Advanced Placement, International Baccalaureate, or college-level courses.</p> <p>French 1,2; 3,4; 5,6; 7,8 German 1,2; 3,4; 5,6; 7,8 Greek 1,2 Latin 1,2; 3,4; 5,6; 7,8 Spanish 1,2; 3,4; 5,6; 7,8</p> <p>Before the spring of 2010, 2 years of a foreign language can be used to fulfill the requirement for <i>2 units of Academic Electives</i> (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.</p>

WORLD LANGUAGES

FRENCH 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

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)

Full Year

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)

Full Year

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.

"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."

FRENCH 7,8 H*

Course Length: 2 Semesters

Credit per Semester 1.0

(Humanities or Elective)

Full Year

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 enrichment 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)

Full Year

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)

Full Year

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)

Full Year

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)

Full Year

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)

Full Year

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)

Full Year

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.

LATIN 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: None

This course introduces basic forms and structure of Latin, develops vocabulary and reading facility, and offers glimpses of classical civilization.

LATIN 3,4*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

Grade: 9, 10, 11, 12

Prerequisite: Latin 1,2 and passing grade

This course is an enlargement on the structural patterns of Latin, with more intensive and comprehensive readings, including selections from authentic Latin sources. The study of classical culture will derive, in the main, from actual Latin readings, as well as from English sources.

LATIN 5,6*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Latin 3,4 and grade of "C" or better

Teacher approval

This is a course in which the student applies the skills and expands upon the knowledge acquired during the first two years of Latin. Grammatical structures are reviewed and various literary selections challenge the student's translation skills and enrich historical background.

"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."

LATIN 7,8 H*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

Grade: 11, 12

Prerequisite: Latin 5,6

Teacher approval

This course is intended for academically oriented students who have completed three years of high school Latin study and are motivated to study advanced Latin literature. Special emphasis is placed on historical interpretation and literary analysis of authentic Latin texts. One enrichment project selected by the student will be required each semester.

LATIN 9,10 ADVANCED PLACEMENT*

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

Grade: 11, 12

Prerequisite: Latin 7,8 H

Teacher approval

This is a college-level course, aligned with the Educational Testing Service requirements, which covers the understanding and interpretation of Latin Literature (Catullus and Ovid, Horace, or Cicero) or Vergil (Aeneid). Students may elect to take the National Advanced Placement Examination and will receive college credit or placement based on exam results.

SPANISH 1,2*

Course Length: 2 Semesters

Credit per Semester: 1.0

Full Year

Grade: 9, 10, 11, 12

Prerequisites: None

This course enables students to attain a measurable degree of competency and proficiency in communication through the National Foreign Language Standards (*communication, cultures, connections, comparisons and communities*) and Colorado State Foreign Language Standards: (*listening, reading, speaking, writing and culture*). Students will listen to comprehend information spoken in the target language. Apply pronunciation rules and intonation patterns, use vocabulary, grammatical forms and structures of the target language to convey meaning. Students will access information to expand knowledge about cultures and human experience, express ideas through writing, communicate with others in the target language and develop an understanding of the cultures in which the language is spoken.

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

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

This is a course in which the student applies the skills and expands upon the knowledge acquired in the first two years of Spanish. Emphasis will be placed on reading, writing and speaking through the use of 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 is a course intended for academically oriented students who have completed three years of high school Spanish and are motivated to further develop their language skills. Grammar will be continued at an advanced level to aid proficiency in the target language. The student becomes more versatile in the language by practicing a combination of integrated skills (*listening, reading, speaking and writing*) to resemble a variety of interactive situations.

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.

CLASSICAL GREEK 1

Course Length: 2 Semesters

Credit per Semester: 1.0

(Humanities or Elective)

Full Year

Grade: 10, 11, 12

Prerequisite: Latin 1,2 or two years of another foreign language with a "C" average

This intensive course provides the skills in the forms, structure, and vocabulary a student needs to begin reading ancient Greek on his or her own. From the start students will read texts adapted from authentic Greek originals, such as Plato, Demosthenes, Aristophanes, Herodotus, and Homer. Grammatical study will support the development of precise reading skills.

MISCELLANEOUS

AP SEMINAR

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

Full Year

Grade: 10, 11, 12
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 perspective. 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

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

Full Year

Grade: 11, 12
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)

First Semester and/or Second Semester

Grade: 9, 10, 11, 12
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)

First Semester and/or Second Semester

Grade: 10, 11, 12
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 do 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

First Semester and/or Second Semester - UCCS

First Semester and/or Second Semester - PPCC

Grade: 11, 12
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.

HEALTH SERVICES and HOSPITALITY/LODGING PROGRAMS

HEALTH II

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

First and/or Second Semester

Grade: 10

Prerequisite: None

This course addresses aspects of the human anatomy, growth and development, death and dying, and basic first aid application. Upon completion of this course, students will: (1) have knowledge of human physiology; (2) comprehend human growth and development and the process of dying, and (3) knowledge of applying basic first aid.

HEALTH CAREERS

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

First and/or Second Semester

Grade: 10

Prerequisite: None

This course is an entry-level class for students entering the Health Sciences Pathway. This is a course for students considering a career in health. The students will explore different healthcare occupations and their settings. Employability skills will be introduced using a variety of applications.

ETHICAL and LEGAL ISSUES IN HEALTH CARE

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

First and/or Second Semester

Grade: 10, 11

Prerequisite: Health II

This course is designed for 11th or 12th grade Academy of Health Science students that are planning a career in healthcare. Medical professionals encounter healthcare dilemmas that are not experienced by the general population. They are faced with individual choices that must, of necessity, always take into consideration the common good of all patients. Medical-ethical decisions have become increasingly complicated with the advancement of medical science and technology. The primary goal of this class is to teach students to think independently and become sensitive to the risks and issues that pervade the field.

MEDICAL TERMINOLOGY

Course Length: 1 Semester

Credit per Semester: 1.0

(Elective Credit)

First and/or Second Semester

Grade: 11,12

Prerequisite: None

This course is designed for 11th or 12th grade students that have an interest in the Health Sciences Pathway. This course emphasizes the learning of Latin or Greek elements used in medical terminology. Knowledge of these elements with simplified meaning enables students to interpret and understand thousands of complex medical terms. This course is a prerequisite for CAN, EMS, and EMT.

HOSPITALITY, TRAVEL and TOURISM 1

Course Length: 2 Semesters

Credit per Semester: 2.0

(Elective Credit)

Full Year

Grade: 11

Prerequisite: None

The first year of this program provides students with an introduction to the Lodging Management Program. Units of study during this course include: Overview of Lodging Management, Rooms Division, Housekeeping Management, and Careers. Students will also be introduced to the important aspects of the travel industry including airline, resort, cruise line, and tourism.

HOSPITALITY, TRAVEL and TOURISM 2

Course Length: 2 Semesters

Credit per Semester: 2.0

(Elective Credit)

Full Year

Grade: 12

Prerequisite: Hospitality, Travel and Tourism 1

During the final year of this program, students build upon the foundation skills learned first year and expand their knowledge in Leadership and Management, Sales and Marketing. As a capstone, students plan and participate in a destination travel event (i.e. Disneyland, cruise, etc.) and complete an unpaid internship in the industry.