

PONDEROSA HIGH SCHOOL

HOME OF THE MUSTANGS™



2018 - 2019 COURSE GUIDE

PROUD, PRODUCTIVE, PROVEN



Ponderosa High School
7007 East Bayou Gulch Road • Parker, Colorado 80134

January 2018

Dear Student,

The Ponderosa High School 2018-2019 Course Guide is intended to assist you in thoughtfully selecting your classes for next year as part of your personalized four-year plan designed to meet your postsecondary goals.

Taking extra time and effort to make appropriate selections each year will be beneficial in preparing for college, internships, military commitments, travel, or any other post-secondary choices you make. Discuss your course selections with your parents, teachers, and counselor. Give special attention to the course descriptions, course levels, prerequisites, and the amount of credit earned per course.

The Course Guide provides essential information including the District's updated graduation requirements and educational opportunities throughout the school district. It is our intent to encourage a dynamic and challenging level of academic rigor and provide a compelling educational experience for each student. This can be achieved by communicating with your teachers, parents and counselor about your goals, ability, past performance, and by trying new opportunities – such as an elective course that may be unusual.

Your high school years are a special time in your life - a time of academic challenge and profound personal growth, and a time to make important decisions about your present and future plans. We invite you to participate in our school community and to enjoy the excitement of learning.

Ponderosa High School has an excellent educational program taught by a talented and dedicated faculty. We are committed to providing each student with an education where essential information and skills are learned and applied, knowledge is explored, and ideas are critically analyzed and evaluated.

I hope you're looking forward to a challenging and productive year. If you have questions after reviewing this guide, please call us at 303-387-4000 so we may direct you to someone who can answer your question with expertise.

Go Mustangs!

Tim Ottmann
Interim Principal

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DEFINITIONS

ADVANCED PLACEMENT (AP): The Advanced Placement program is a national academic program sponsored by the College Board where college-level courses and examinations are offered to high school students. Students are required to take the national exam in May if they wish to be considered for the Advanced Placement credit at the college level. All AP courses have weighted grades (see definition for weighted grades on next page). See AP Section for course names, expectations and information.

CAREER AND TECHNICAL EDUCATION (CTE): Douglas County School District AND Ponderosa have Career & Technical Education (CTE) courses available in Automotive Technology, Business, Marketing, Engineering & Technology and Family & Consumer Sciences departments. Information regarding Career & Technical Education courses is available within DCSD can be found through [DCSD Career & Technical Education Home Page](#).

CLASS SCHEDULE: This term is often used interchangeably with the term “Bell Schedule”. Classes begin at 8:00am and end at 2:55pm. The class schedule is a rotating block with Cardinal and Gold days. Cardinal days are periods 1, 3, 5 and 7 and Gold days are periods 2, 4, 6 and 8. Classes are 85 minutes with a five minutes passing period. A bell schedule is located on page 30.

COLORADO COMMISSION ON HIGHER EDUCATION (CCHE): CCHE’s mission is to provide access to high-quality, affordable education for all Colorado residents that is student-centered, quality driven and performance based. CCHE’s primary “customers” are Colorado students and citizens. CCHE is committed to providing the best quality education at the best price with the best possible service for its customers. Their specific responsibilities include: developing long-range plans for an evolving state system of higher education, approving degree programs, establishing the distribution formula for higher education funding and recommending statewide funding levels to the legislature, administering statewide student financial assistance programs through policy development, program evaluation, and allocation of funds, and establishing statewide enrollment policies and admission standards. For more information: <http://higher.ed.colorado.gov/cche.html>

CONCURRENT ENROLLMENT: Concurrent Enrollment (sometimes referred to as dual enrollment) is an agreement between a Colorado institution of higher education and a high school. Ponderosa has agreements with four institutions for concurrent enrollment. English, Mathematics, Science and Spanish courses are offered for concurrent enrollment to University of Colorado Denver (CU Succeed program). Automotive Technology, Business, Engineering & Technology and Family & Consumer Sciences courses are offered for concurrent enrollment with Arapahoe Community College. Introduction to Biotechnology is offered through Aurora Community College and Teacher Cadet - Honors with Colorado State University - Pueblo. Students who are concurrently enrolled in these courses receive both high school credit from Ponderosa and college credit from the partner institution. All concurrent enrollment classes are taught at Ponderosa High School by Ponderosa teachers who are certified to teach as adjunct faculty by the partner institutions.

CREDIT (HIGH SCHOOL UNIT OF CREDIT): One unit of credit equals two successfully completed semesters of high school work. All students must earn a minimum of 24 specific credits (per Board policy) to participate in graduation and earn their diploma.

CUMULATIVE GPA: A student's overall Grade Point Average for the entire time they are in high school.

CU SUCCEED: The CU Succeed Program collaborates with Colorado high schools to offer high school students the opportunity to gain exposure to the college experience. Students enroll in University of Colorado Denver courses, located at their high school, taught by qualified teachers, at a reduced tuition rate. All courses are taken for credit with a letter grade and appear on a CU Denver transcript, as well as the student's Ponderosa transcript. CU Succeed courses do not have a weighted grade. See Concurrent Enrollment section for course names, expectations and information.

FEES: The costs associated with many of the courses at Ponderosa High School cover the expenses for non-reusable items or one-time use classroom supplies and aids. All fees are school board approved ([Board File: IQ](#)) and **subject to adjustment**.

FRESHMEN TRANSITION: All freshmen are assigned a Freshmen Transition course with a designated certified teacher. In addition to Link Crew activities during these class periods, Freshmen Transition is an excellent time for students to work on their homework, use school resources such as the library, and obtain assistance from other Freshmen Transition teachers.

GRADE POINT AVERAGE (GPA): A student's earned Grade Point Average for one semester or one year. The grade point average is figured by taking the point value of each letter grade earned (see below), and then dividing that total by the number of classes taken. For example, if a student earns straight B's for all 5 of their classes they would have 15 points. To figure out their GPA for the semester you would divide 15 (total points) by 5 (number of classes). This equals 3, so the students GPA for the semester would be a 3.0.

GRADES – UNWEIGHTED: Courses award the student 4 points for an A, 3 points for a B, 2 points for a C, 1 point for a D and 0 points for an F. The possible GPA range is 4.0-0.0.

GRADES – WEIGHTED: Advanced Placement courses award 5 points for an A, 4 points for a B, 3 points for a C, 1 point for a D, and 0 points for an F. The possible GPA range is 5.0 – 0.0.

HONOR COURSES: Ponderosa offers honors level courses in English, Mathematics and Science. These courses are for students who have a strong interest in the subject matter offered. These courses are offered when an Advanced Placement class is not available and are considered Pre-AP level coursework. Honor courses do not have a weighted grade. See Honors Section for course names, expectations and information.

NCAA: The National Collegiate Athletic Association is a membership-driven organization dedicated to safeguarding student-athlete well-being and equipping them with the skills to succeed on the playing field, in the classroom and throughout life.

NCAA APPROVED: If a course is NCAA approved that means that it meets the standards set by the NCAA for a core course taken in high school. If eligible, the symbol to the right will be on the course description.

PASS/FAIL CLASS: Pass/Fail courses are taken for elective credit towards graduation, but there is no weight given to their GPA.

PREREQUISITE: A prerequisite is a course or requirement that must be successfully completed prior to enrolling in a higher level course. Prerequisites may include a placement exam, prior course or teacher approval.

RESOURCE: Resource is held daily 7:45 – 8:00am. During this time, teachers are available to meet with students for additional help, support and possibly, make up test or quizzes. Attendance will not be taken during Resource.

REPLACEMENT GRADE: Replacement grades are occasionally granted when extraordinary circumstances are encountered. Any course taken for replacement must be re-taken in the same setting as the original course being replaced on the transcript. For example, if someone wants to retake Algebra I to attempt a better grade and they took the course originally in a building setting, not online, then the replacement course must also be taken in a building setting in a teacher directed course. There are several stipulations around replacement grades. Students and parents are encouraged to speak with an assistant principal or the building registrar in order to better understand this process.

VALEDICTORIAN/SALUTATORIAN: The Valedictorian is named after eight semesters of grades. The person with the highest weighted cumulative grade point average is presented with this distinction. The second in rank will be named the Salutatorian. There are no other named distinctions after the second place. In the case of a tie, the students will be named co-valedictorians.

FREQUENTLY ASKED QUESTIONS (FAQ)

What does a student do during administrative dismiss? Students are encouraged to utilize their admin dismiss (off hours) to catch up on school work, make up tests/quizzes, obtain help from teachers (by appointment), or obtain a part time job for work experience. The job should not dictate the off period.

How many classes should a student take each year?

9th grade – 8 classes minimum

10th grade – 7 classes minimum

11th grade – 6 classes minimum

12th grade – 6 classes minimum

What is the policy for awarding High School credit for courses taken prior to a student's 9th grade year?

Superintendent File: IKF-R-2

I. Awarding High School credit for courses taken prior to a student's 9th grade year

A student may earn credit towards a Douglas County School District high school diploma for courses that are taken prior to the official start of their 9th grade year, and if courses taken are at a Douglas County School District school, transferring in from another public school, or in another educational program, as follows:

A. The course is successfully completed at a Douglas County School District school, out of district public/private school, or an accredited institution or program.

B. The course meets the following criteria:

1. Mathematics: Geometry course or higher levels.
2. World Language: Level II or higher levels.
3. If a course being proposed for high school credit does not meet the criteria 1 or 2, the following information must be presented to indicate the level of rigor that would demonstrate the course is a high school course at grade level:
 - a. Course description.
 - b. Detailed curricular content objectives.
 - c. Official transcript.
 - d. Course taken at an accredited institution or program.
 - e. The final authority on awarding credit will reside with the high school building administration and the Superintendent or Superintendent's designee.

C. Awarding Credit

Select one of the following two options:

1. The student and parent/guardian wish the course completion to be used for placement purposes only. No course title, credit or grade will be recorded on the high school transcript.
2. The student and parent/guardian wish to receive both credit and grade which will be calculated into the cumulative high school GPA on the official high school transcript. The parent/guardian and student must complete the middle school credit form by the end of the first semester of their 11th grade year and submit this to the High School Principal and High School Counselor. Once this option is selected, the credit and grade will not be removed from their official high school transcript.

II. If students, currently enrolled in a Douglas County School, wish to obtain credit from an outside educational program, the outside educational program must meet the following criteria:

- A. The course fills a Douglas County School District High School graduation requirement.
- B. Prior approval from the school Principal before credit and grade are accepted and posted on the high school transcript.
- C. The credit-granting institution must provide evidence to meet Sections III and IV below.

III. Credit earned through online programs/institutions may be accepted based on a thorough review of the program/institutions accreditation process and proof of high school course equivalency. The student must provide the following information:

- A. Course description.
- B. Detailed curricular content objectives.
- C. Meets the state expectation for college preparatory academic rigor (Colorado Commission Higher Education Admission Requirements) and/or the course is NCAA approved.
- D. Proof of an academically reputable accreditation process of the outside educational program/institution.

IV. Regulation regarding Accreditation

- A. If the credit-granting institution accreditation is either in question or not accredited, Douglas County School District's Superintendent or Superintendent's designee will determine if the granting institution provides students with the academic rigor that meets the equivalency of a DCSD board approved course and level equivalency. The final authority on awarding credit will reside with the high school building administration and the Superintendent or Superintendent's designee.

PHYSICAL EDUCATION WAIVER:

Board Policy: IKFC

High school students are eligible to request a waiver for the physical education (P.E.) graduation requirement. Students who qualify for a waiver are still required to replace the P.E. credit with another class in order to complete the total number of credits necessary to fulfill graduation requirements (24). Students who participate and successfully compete in a Colorado High School Activities Association (CHSAA) sponsored sport, spirit squad or marching band are eligible to request a P.E. waiver. One successful season of a sport, spirit squad and/or marching band is equivalent to a .5 waiver of credit.

Students must meet with the counselor if they are requesting a P.E. waiver. The counselor will ensure that all graduation requirements are met. The P.E. Waiver Application will only be accepted by the Counseling Office during the registration window.

[P.E. Waiver Application Form](#)

Douglas County School District Graduation Requirements

Superintendent File: IKF-R-1

To graduate and receive a diploma from a high school in the Douglas County School District, a student must earn a minimum of 24 credits. One credit (1.0) is equal to one course lasting the full year. One-half credit (0.5) is equal to one course lasting one-half year. Douglas County School District also requires a minimum of 20 hours of [Community Service for Graduation](#).

The 24 credits must be met in the following way:

Language Arts	4.0	Four English Credits*
Mathematics	3.0	Three Mathematics credits, one of which must be Algebra I or a higher level of Mathematics*
Science	3.0	Three Science credits*
Social Studies	3.0	.5 World History .5 U.S. Government .5 World Geography .5 Economics .5 U.S. History .5 Social Studies Elective
Fine Arts	1.0	Fine Arts courses are found in the subject areas of Art, Music, Theatre, or Levels III, IV, and/or AP of World Languages
Practical Arts	1.0	Practical Arts courses are found in the subject areas of Business, Engineering and Computer Science, Family & Consumer Science, Industrial Technology, and Levels III, IV, and/or AP of World Languages
Physical Education	1.0	
Elective Credit	8.0	General Elective Courses- when above requirements are met, additional course work credit will be assigned Elective Credit
Minimum Total Credits	24.0	

* Beginning with the class of 2021

Social Studies	3.0	.5 World History .5 U.S. Government .5 World Geography .5 Economics 1.0 U.S. History
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* To earn credit in a class, students must demonstrate proficiency on the Content Standards embedded in the course. Documentation that these standards have been achieved will be through teacher judgment based on District assessments, end-of-course tests or other measurements as well as meeting other stipulated course expectations. Students who do not achieve these standards will be enrolled in courses or programs as prescribed by the school principal and faculty.

GRADUATION REQUIREMENTS 2021 & BEYOND

Graduation Competencies

(beginning with the Class of 2021)

Superintendent File: IKF-R-3

Beginning with the class of 2021, in addition to satisfying the district's graduation requirements, district students will also be required to demonstrate college and career readiness via one of the approved methods outlined in the chart below in order to receive a diploma from a district school. Students must provide documentation of meeting or exceeding the required level of readiness in both Mathematics and English through one of the following:

	English	Math
Accuplacer	62 on Reading Comprehension or 70 on Sentence Skills	61
ACT	18	19
ACT WorkKeys	Bronze+	Bronze+
Advanced Placement	2	2
ASVAB	31	31
Concurrent Enrollment	Passing Grade	Passing Grade
International Baccalaureate	4	4
SAT	470	500
District Capstone *	Individualized	Individualized
Industry Certificate	Individualized	Individualized

* Under development



Douglas County School District
Learn today. Lead tomorrow.

College and career demonstrations necessary to earn a standard high school diploma may be adjusted to accommodate English learners, gifted students and students with disabilities.

Adopted: October 18, 2016

LEGAL REFS:

C.R.S. 22-1-103 through 22-1-111
C.R.S. 22-32-109 (1)(ff)

CROSS REFS:

IKE, Promotion and Retention of Students
IKF, Graduation Requirements
IKFA, Early Graduation
JECBA, Admission of Foreign Students

Revised 11/6/17

Superintendent File: IKF-R-3

Graduation Competencies

(beginning with the Class of 2021)

Beginning with the class of 2021, students will be required to demonstrate college and career readiness via one of the approved methods outlined in the chart below in order to receive a diploma. If a course is eligible to meet the competency requirement, the symbol on the right will be with the course description.

Menu of options. This menu lists the minimum scores required.

ASVAB	
English	Math
31	31
The Armed Services Vocational Aptitude Battery (ASVAB) is a comprehensive test that helps determine students' eligibility and suitability for careers in the military. Students who score at least 31 are eligible for service (along with other standards that include physical condition and personal conduct). Students who take the ASVAB are not required to enlist in the military.	

Industry Certificate	
English	Math
Individualized	Individualized
An Industry certificate is a credential recognized by business and industry. Industry certificates measure a student's competency in an occupation, and they validate a knowledge base and skills that show mastery in a particular industry.	

Concurrent Enrollment	
English	Math
Passing grade per district and higher education policy	Passing grade per district and higher education policy
Concurrent enrollment provides students the opportunity to enroll in postsecondary courses, simultaneously earning high school and college credit.	

International Baccalaureate	
English	Math
4	4
IB exams assess students enrolled in the official IB Diploma Programme. Courses are offered only at authorized IB World Schools. Scores range from 1 to 7 (highest). Specific courses qualify.	

District Capstone	
English	Math
Individualized	Individualized
A capstone is a student's project or experience that demonstrates academic proficiency in math and English.	

SAT	
English	Math
470	500
The SAT is a college entrance exam that is accepted or required at nearly all four-year colleges and universities in the U.S. The current SAT includes sections on reading, writing and math. The highest possible score for each section is 800.	

ACCUPLACER	
English	Math
62 on Reading Comprehension or 70 on Sentence Skills	61 on Elementary Algebra
ACCUPLACER is a computerized test that assesses reading, writing, math and computer skills. The results of the assessment, in conjunction with a student's academic background, goals and interests, are used by academic advisors and counselors to place students in college courses that match their skill levels.	

ACT WorkKeys – National Career Readiness Certificate	
English	Math
Bronze or higher	Bronze or higher
ACT WorkKeys is an assessment that tests students' job skills in applied reading, writing, mathematics and 21 st century skills. Scores are based on job profiles that help employers select, hire, train, develop and retain a high-performance workforce. Students who score at the bronze level (3 or better) in applied mathematics, mapping and reading earn the ACT's National Career Readiness Certificate.	

ACT	
English	Math
18 on ACT English	19 on ACT Math
ACT is a national college admissions exam. It measures four subjects – English, reading, math and science. The highest possible score for each subject is 36.	

Advanced Placement	
English	Math
2	2
AP exams test student's ability to perform at a college level. Districts choose which AP exams will fulfill this menu option. Scores range from 1 to 5 (highest). Specific courses qualify.	

College and career demonstrations necessary to earn a standard high school diploma may be adjusted to accommodate English learners, gifted students and students with disabilities.

Adopted: October 18, 2016

Modified: September 7, 2017

***Advanced Placement Courses**

Students who score a 2 or above in the following courses can have these count as a graduation competency for graduation.

MATH COMPETENCY	ENGLISH COMPETENCY
AP Biology	AP European History
AP Calculus BC	AP US History
AP Calculus AB	AP Language & Composition
AP Chemistry	AP Literature & Composition
AP Environmental Science	
AP Macroeconomics	
AP Physics C	
AP Statistics	

COLLEGE ADMISSIONS

Preparing for college starts as early as ninth grade, if not earlier. Parents and students often ask counselors, “What does it take for me to be accepted to (XYZ) College or University?” That is a difficult question to answer, as completion has intensified for a spot at certain colleges, and it is hard to determine what factors colleges will emphasize in a particular year. We do know that colleges, especially those which are most competitive in admissions, seek students who are academically prepared for the rigors of college-level courses, who can contribute to their campus community, and who have a clear sense of why they are a good match for that college.

Factors in the Admission Decision

For the past 20 years, the three most important factors in the college application have remained the same: 1) grades in college preparatory courses, 2) strength of curriculum at a student’s secondary school, and 3) standardized test scores (SAT/ACT).

In 2015, admission officers ranked the following features of the application in order of importance:

- 1) Grade in college preparatory courses
- 2) Strength of curriculum
- 3) Overall high school GPA
- 4) Standardized admission test scores
- 5) Essay
- 6) Student’s demonstrated interest
- 7) Counselor and teacher recommendations
- 8) Extracurricular activities
- 9) Class rank

Highlights from NACAC’s *State of College Admission 2015*

By Melissa Clinedinst, Anna-Maria Koranteng and Tara Nicola

FOUR YEAR ACADEMIC PLAN TO PREPARE FOR COLLEGE

Each year Ponderosa counselors meet with students to develop, evaluate and reevaluate their Four -Year Academic Plans, keeping in mind each student's interests, goals as they prepare for their post-graduate experience.

To best prepare for the college admission process, we encourage students to pursue the sample academic programs below; however, be aware that completion of a sample program like these does not guarantee admission, especially at highly and most selective schools. It is best to contact the college or university of interest for specific requirements.

MOST SELECTIVE INSTITUTIONS		
Recommended Minimum Program of Study	English	4 years at Honors/AP Level
	Mathematics	4 years at Honors/AP Level
	Social Studies	3-4 years with AP when possible
	Science	3-4 years at Honors/AP Level
	Foreign Language	3-4 years at Honors/AP Level

HIGHLY SELECTIVE INSTITUTIONS		
Recommended Minimum Program of Study	English	4 years with Honors/AP encouraged
	Mathematics	4 years with Honors/AP encouraged
	Social Studies	3-4 years with Honors/AP encouraged
	Science	3-4 years with Honors/AP encouraged
	Foreign Language	3-4 years with Honors/AP encouraged

VERY SELECTIVE INSTITUTIONS		
Recommended Minimum Program of Study	English	4 years
	Mathematics	4 years
	Social Studies	3-4 years
	Science	3-4 years
	Foreign Language	2 years minimum

Note: For these type of schools, Ponderosa counselors recommend that students complete the minimum academic standards, which should match the DCSD requirements but also challenge themselves further with additional and/ or honors coursework when appropriate. Many applicants to Very Selective colleges/universities complete one - three AP classes at a minimum.

LESS SELECTIVE INSTITUTIONS		
Recommended Minimum Program of Study	English	4 years
	Mathematics	4 years
	Social Studies	3 years
	Science	3 years
	Foreign Language	1 year, per **HEAR requirements

**Higher Education Admission Requirements

Note: Ponderosa counselors recommend that students interested in less selective institutions plan to complete DCSD minimum graduation requirements, and take two years of foreign language, if possible. Community and junior colleges, vocational schools and military induction require that all graduation requirements are met.

COLLEGE/ POST SECONDARY CREDIT IN HIGH SCHOOL

ADVANCED PLACEMENT (AP) COURSES

Advanced Placement (AP) courses are the most rigorous courses offered at Ponderosa High School and include weighted grades due to the level of content. *A score of three or higher on the exam may qualify for college/university credit depending on the college/university.*

AP courses offered to students include the following: AP Art History, AP Biology, AP Calculus AB, AP Calculus BC, AP Chemistry, AP Computer Science A, AP Environmental Science, AP European History, AP French Language, AP Human Geography, AP Language & Composition, AP Literature & Composition, AP Macroeconomics, AP Physics C, AP Psychology, AP Spanish Language, AP Statistics, AP Studio Art: Ceramics, AP Studio Art: Drawing & Painting, AP Studio Art: Graphic Design, AP Studio Art: Jewelry, AP Studio Art: Photography, AP Studio Art: Sculpture, AP US Government, AP US History.

ADVANTAGES OF TAKING ADVANCED PLACEMENT COURSES

- AP courses and exams begin the journey through college academic challenges.
- Collegiate institutions recognize that applicants with AP experience are better prepared for the demands of college.
- Tuition savings are realized for students whose AP performance awards them college credit. More than 1,400 collegiate institutions award a full years credit (sophomore standing) to students presenting satisfactory grades on a specific number of AP exams.
- AP students are eligible for honors and other special programs in college.


ADVANCED PLACEMENT COURSE CONSIDERATIONS

The same consideration should be given for Concurrent Enrollment and CU Succeed classes!

- All Ponderosa High School students are encouraged to take at least one Advanced Placement level course in high school.
- Before committing to multiple Advanced Placement exams, students should consider the following:
 - Increased amount of homework
 - Increased rigor of coursework
 - Time management skills with regard to balancing multiple high-level courses
 - Extra-curricular activities that might impact ability to fulfill course requirements
- Advanced Placement courses are college-level courses that may allow students to earn college credit based on AP exam scores when accepted by prospective college or university.
- Advanced Placement courses have weighted grades; however, students might experience lower grades as a result of intense study and homework requirements.
- Advanced Placement students should expect to complete a minimum of one and a half (1.5) hours of homework per AP class each night. This is in addition to non-AP classes.
- Students enrolled in Advanced Placement classes at PHS are expected to sit for May exams.
- Advanced Placement exams cost \$94 per exam. \$45 late fee per exam can be assessed if sign-up and payment is not made on time.
- Financial aid is available for exam fees.
- Many Advanced Placement courses require summer work. See teacher or school website for specifics.
- Research supports the fact that high schools students enrolled in Advanced Placement courses have a higher success rate during freshman year of college.

The table below can be used to help determine the ‘cost’ of taking an Advanced Placement course.

ADVANCED PLACEMENT COST TABLE

COURSE TITLE	HOMEWORK HOURS	EXAM FEE
TOTAL		

Advanced Placement Courses - Expectations and Information

Course Name	Course Prerequisite	Out-of-School Time Commitment	Credits Earned and Sponsoring Institution	ESTIMATED Course Fee
*AP Art History	None	Summer Assignment: 30-45 minutes per day	Up to 6 credit hours depending on student's score on the AP exam - attending university will determine credit awarded.	\$94 AP Exam, \$20 per semester and Textbook
*AP Biology	Chemistry	Summer Reading Assignment: 1 1/2 to 2 hours per night minimum, more on the weekends	Up to 8 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook
*AP Calculus AB	Pre-Calculus with teacher recommendation or Honors Pre-Calculus/ Calculus A with Trig	30-60 minutes/day	Up to 7 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam, TI 83/84 Graphing Calculator and Textbook
*AP Calculus BC	Honors Pre-Calculus/Calculus A with Trig or AP Calculus AB	Eight summer lessons that will require 8 to 12 hours and then 45 to 90 minutes per class during the school year.	Up to 8 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam, TI 83/84 Graphing Calculator and Textbook
*AP Chemistry	Chemistry	1 1/2 to 2 hour average per night, including weekends. Students are also expected to participate in extra study sessions and practice exams prior to the AP exam in May.	Up to 8 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbooks
*AP Computer Science A	Engineering I and Introduction to Engineering	Approximately 1 hour per night.	Up to 4 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam
*AP Environmental Science	Completion OR co-enrollment in Chemistry	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	Up to 3 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam
*AP European History	9th Grade Social Studies	Read 1 book over the summer and complete an in class essay when school starts. 1 to 1 1/2 hours daily commitment.	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook
*AP French Language	Successful completion of Level IV French	Average 1 hour each night plus an additional 1-2 hours per weekend. Class participation and perfect attendance is vital.	Up to 12 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and \$110 Textbook

Advanced Placement Courses - Expectations and Information

Course Name	Course Prerequisite	Out-of-School Time Commitment	Credits Earned and Sponsoring Institution	ESTIMATED Course Fee
*AP Human Geography	Instructor Recommendation.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies - typically 1 hour/night.	Up to 3 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook
*AP Language & Composition	Minimum of a "B" in Honors English or an "A" in any other English, or recommendation from current English teacher.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies. Summer reading & writing required.	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam
*AP Literature & Composition	Minimum of a "B" in Honors English or an "A" in any other English, or recommendation from current English teacher.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies. Summer reading required.	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam
*AP Macroeconomics	10 th Grade Social Studies	Class will require approximately 3-4 hours a week of outside study and homework.	Up to 4 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook
*AP Physics C	Chemistry and co-enrollment OR completion of AP Calculus AB (or higher) is mandatory.	1 to 1.5 hours per class period (5-7.5 hours a week)	Up to 8 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and website license \$10.50
*AP Psychology	10th Grade Social Studies	Approximately 1 hour per night.	Up to 3 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook
*AP Spanish Language	Successful completion of Level IV Spanish	In addition to online summer work, students will spend approximately 2-3 hours per week practicing reading, writing, listening, or speaking skills outside of class.	Up to 12 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam, \$150 website license and workbook fee

Advanced Placement Courses - Expectations and Information				
Course Name	Course Prerequisite	Out-of-School Time Commitment	Credits Earned and Sponsoring Institution	ESTIMATED Course Fee
*AP Statistics	Algebra II/Trig	Approximately 1 hour per night	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and TI 83/84 Graphing Calculator
*AP Studio Art: 2D Design (Graphic Design)	Instructor Approval	Summer Assignments: 5-7 hours weekly	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Portfolio
*AP Studio Art: 2D Design (Photography)	Instructor Approval	Summer Assignments: 5-7 hours weekly	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Portfolio
*AP Studio Art: 3D Design (Ceramics)	Instructor Approval	5-7 hours weekly	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Portfolio
*AP Studio Art: 3D Design (Jewelry)	Instructor Approval	5-7 hours weekly	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Portfolio
*AP Studio Art: 3D Design (Sculpture)	Instructor Approval	5-7 hours weekly	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Portfolio
*AP Studio Art: Drawing (Drawing & Painting)	Instructor Approval	5-7 hours weekly	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Portfolio
*AP US Government	9th Grade Social Studies	Nightly homework: approximately 40 minutes	Up to 3 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook
*AP US History	10th Grade Social Studies	Nightly homework: approximately one hour	Up to 6 credit hours depending on student's score on the AP Exam - attending university will determine credit awarded.	\$94 AP Exam and Textbook

CONCURRENT ENROLLMENT

Cooperating Community Colleges:
Arapahoe Community College (ACC)
Community College of Aurora (CCA)
Colorado State University - Pueblo

To qualify for these opportunities, a student must first complete prerequisite which may include: Accuplacer, ACT scores, and/or course completion.

Below are the facts you should know:

- ❖ The student will also receive high school graduation credit for their Concurrent Enrollment (CE) course.
- ❖ The student must be enrolled in this class for the entire semester or year and finish with a grade “C” or higher.
- ❖ Students are required to complete a Concurrent Enrollment application for each course. A Concurrent Enrollment application form shall include, but need not to be limited to, the following: Assurance of consent by the Qualified Student and parent or legal guardian to the following: The Qualified Student will register for the College Opportunity Fund (COF) stipend and understands that credit earned will be deducted from the COF lifetime account (145.0 credit hours) for courses being taken at Institutions of Higher Education that participate in the COF, with the exception of skills credit.
- ❖ The college credit will be awarded through Arapahoe Community College or Community College of Aurora.
- ❖ Concurrent Enrollment fees are based on the length of the course, number of credits associated with the course and the institution offering the course. Books and miscellaneous equipment cost are the responsibility of the student.

CU SUCCEED

University of Colorado - Denver

Through University of Colorado Denver, CU Succeed Silver and Gold Programs collaborate with Colorado high schools to offer high school students the opportunity to gain exposure to the college experience! Students enroll in University of Colorado Denver courses, located at their high school, taught by qualified teachers, at a reduced tuition rate (posted tuition rate is subject to change). All courses are taken for credit with a letter grade and appear on a CU Denver transcript. It is important for you to contact your college of choice to verify if the CU Succeed course is accepted for credit.

For more information visit the website for [University of Colorado – Denver](https://www.cudenver.edu/cusucceed), and search for [CU Succeed](#) or contact the CU Succeed Office at 303-556-2717.

Douglas County School District Concurrent Enrollment 2018-2019 School Year

West Highlands Ranch Region



Mountain Vista HS

ACC 121 Accounting Principles I* ACC 122 Accounting Principles II* ACC 255 CAD Solidworks* BUS 115 Intro to Business* BUS 116 Personal Finance* BUS 203 Intro to International Business* CIS 118 Intro to PC Applications* ECO 101 Economics of Social Issues* ENG 121 English Comp I* LIT 115 Intro to Literature I* MAR 160 Customer Service* MAR 216 Principles of Marketing* MAR 235 Consumer Behavior* MAT 121 College Algebra* MAT 122 College Trigonometry* POS 205 International Relations



ThunderRidge HS

BUS 115 Intro to Business* CIS 118 Intro to PC Applications* ENG 121 English Composition I* LIT 115 Intro to Literature I* MAR 155 Social Media for Business* MAR 160 Customer Service* MAT 121 College Algebra* MAT 122 College Trigonometry

East Highlands Ranch Region



Highlands Ranch HS

CIS 118 Intro to PC Applications* COM 115 Public Speaking* COM 125 Interpersonal Communications* ECE 101 Intro to Early Childhood Education* ECE 111 Infant /Toddler Theory & Practice* MAR 216 Principles of Marketing* MAT 121 College Algebra* MAT 122 College Trigonometry* MAT 201 Calculus I



Rock Canyon HS

BIO 160 Intro to Biotechnology* BIO 201 Anatomy & Physiology I* BIO 211 Anatomy & Physiology I Lab* BUS 115 Intro to Business* ECON 105 Intro to Economics* EGG 151 Experimental Design* ENG 121 English Comp I* LIT 115 Intro to Literature* MAR 216 Principles of Marketing* PHY 210 General Physics I* PHY 212 General Physics I Lab

Parker Region



Chaparral HS

BUS 115 Intro to Business* CIS 118 Intro to PC Applications* ECE 101 Intro to Early Childhood Education* ECE 111 Infant/Toddler Theory & Practice* MAR 155 Social Media for Business* MAR 160 Customer Service* MAR 216 Principles of Marketing



Legend HS

CIS 118 Intro to PC Applications* CSC 116 Logic & Program Design* Mat 203 Calculus III* MAT 265 Differential Equations* MGD 102 Intro to Multimedia* MGD 111 Adobe Photoshop I* MGD 112 Adobe Illustrator I* MGD 114 Adobe InDesign* MGD 141 Web Design I* MGD 143 Motion Graphic Design I: Software* MGD 153 3-D Animation I



Ponderosa HS

ACC CAD 255 Solidworks* ACC 121 Accounting I* ASE 101 – ASE 264 Auto Program Courses* BIO 160 Intro to Biotech* BUS 115 Intro to Business* CIS 118 Intro to PC Applications* ECE 101 Intro to Early Childhood Education* ECE 111 Infant/ Toddler Theory & Practice* MAR 155 Social Media for Business* MAR 160 Customer Service* MAR 216 Principles of Marketing* MAR 235 Customer Behavior

Castle Rock Region



Castle View HS

BUS 116 Personal Finance* COM 115 Public Speaking* ENG 121 English Composition I* LIT 115 Intro to Literature I* MAR 216 Principles of Marketing* MAT 121 College Algebra* MAT 122 College Trigonometry



Douglas County HS

BUS 115 Introduction to Business* ECE 101 Intro to Early Childhood Education* ECE 111 Infant/ Toddler Theory & Practice* ENG 121 English Composition I* LIT 115 Intro to Literature I* MAT 121 College Algebra* MAR 216 Principles of Marketing

The courses listed above are offered through our district partners with a current MOU agreement.

Revised 12/7/17

CAREER TECHNICAL EDUCATION (CTE)

Douglas County School District is committed to providing our students with authentic, project-based learning, allowing them to explore industries, gain real world knowledge and 21st Century Skills they will need to compete for the college or career of their choice.

The CTE programs and associated courses are offered **throughout** the district to give students the experience they will need to be the best business and community leaders possible.

Review these STUDENT RESPONSIBILITIES and UNDERSTANDINGS with your counselor PRIOR TO applying to take a CTE course:

- Make sure you are completely read the course description and/or expectations in the CTE Course Catalog or in the host high school's course planning guide.
- DCSD may pay the tuition costs for students attending any of these programs subject to available dollars.
- Some programs may have additional non-reimbursable fees.
- Complete online CTE application after selecting course. (*application link below*)
- Once the application is submitted, the counselor will be notified of the submission and he or she will be asked to complete a short online form stating they support their student's decision to apply.
- You ARE NOT automatically accepted into a program. A limited number of slots are available for certain programs (specifically a very small number are available for Pickens Technical College).
- Your counselor will be notified of acceptance or denial of your application.

Review Important MUST Dos:

- Must provide own transportation to any of the programs listed
- Must visit certain programs prior to enrollment
- Must have parent(s) support and permission
- Must be enrolled in a DCSD high school as a full time student
- Must have a sufficient number of credits to graduate from high school on time
- Must stay in program for entire term (or reimburse DCSD the cost of program)

More information regarding Career & Technical Education can be found on the Douglas County School District website: [DCSD Career & Technical Education](#).

*Two applications are required for CTE courses to be taken at a school other than the 'home' school. 1) District application - available at [DCSD Career & Technical Education](#). 2) Ponderosa form - **Complete by February 6, 2018**. The Ponderosa application is available on the next page.*



2018 - 2019
CAREER and TECHNICAL EDUCATION (CTE)
GUIDELINES

ACCESS ONLINE INFORMATION AND APPLY AT:

<https://www.dcsdk12.org/career-and-technical-education>

- Make sure you are completely aware of all the course descriptions and/or expectations in the CTE Course Catalog.
- Complete **ONLINE** CTE application after selecting course.
- You **ARE NOT** automatically accepted into a program because you have applied.
- A limited number of slots are available for certain programs (specifically a very small number are available for Pickens Technical College).

Important MUST Do's:

- Must provide your own transportation to any of the CTE programs
- Must visit certain programs prior to enrollment
- Must have parental support and permission
- Must be enrolled in a DCSD high school as a full time student
- Must have a sufficient number of credits to graduate from high school on time
- Must stay in program for entire term (or reimburse DCSD the cost of program)
- Must register for a full class load at PHS. If you are approved for a CTE class, your counselor will adjust your schedule.

Return this portion of the form on Course Verification day, February 6, 2018 to the Counseling Office with your 2018 - 2019 course registration form. REMEMBER - you MUST complete the online application.

STUDENT NAME: _____ **GRADE LEVEL in 18-19 School Year** _____
PRINT

COURSE NAME: _____
PRINT

I agree to abide by the CTE student requirements listed above and understand that there may be a schedule conflict with graduation requirements that could prevent me from participation in the CTE program of my choice.

STUDENT SIGNATURE: _____ **DATE:** _____

PARENT/GUARDIAN SIGNATURE: _____ **DATE:** _____



CAREER AND TECHNICAL EDUCATION PROGRAMS OFFERED

Agriculture Education
Alternative Cooperative Education
(ACE)
Automotive Technologies
Aviation
Business
Cosmetology
Criminal Justice
Dental Assisting
Early Childhood Education
Electrical Occupations
Engineering and Technology
Esthetics

Family and Consumer Sciences
Fashion Design
Fire Science
Health Sciences
Interior Design
Landscape Assistant & Management
Marketing
Nail Tech
ProStart culinary arts
Teacher Cadet - Honors
Technology Education
Veterinary Assistant
Video Production

❖ All CTE Courses are subject to change

Concurrent Enrollment Courses - Expectations and Information				
Course Name	Course Prerequisite	Out-of-School Time Commitment	Credits Earned and Sponsoring Institution	ESTIMATED Course Fee
ACC CAD 255 - Computer Aided Drafting - Solidworks	Introduction to Engineering, Engineering I, Engineering II	Approximately 3 hours per week	3 Credits from Arapahoe Community College	Textbook Cost
ASE 101- Auto Shop Orientation	Co-enrolled with ASE 122 & 250	None	2 Credits from Arapahoe Community College	\$80 per semester and Actual Cost of Workbook
ASE 103 - Auto Maintenance I	Successful completion of ASE 101, 122 & 250 Co-enrolled with ASE 264	None	2 Credits from Arapahoe Community College	
ASE 122 - Automotive Electrical Safety Systems	Successful completion of ASE 101 Co-enrolled with ASE 101 & 250	None	1 Credit from Arapahoe Community College	\$80 per semester and Actual Cost of Workbook
ASE 250 - Automotive Transmission/Transaxle	Successful completion of ASE 101 & 122 Co-enrolled with ASE 101 & 122	None	1 Credit from Arapahoe Community College	
ASE 264 - Automotive Heating/Air Conditioning	Successful completion of ASE 101, 122 & 250 Co-enrolled with ASE 103	None	1 Credit from Arapahoe Community College	
ACC 121 - Accounting I	None	Approximately 4 hours per week	3 Credits from Arapahoe Community College	Textbook Cost
BIO 160 - Introduction to Biotechnology	"C" or better in Biology, Biology Honors and Chemistry or co-enrollment in Chemistry	Approximately 3 hours per week	3 Credits from Community College of Aurora	\$15/Semester and \$10 Workbook
BUS 115 - Intro to Business	None	None	3 Credits from Arapahoe Community College	Textbook Cost
Calculus III and Differential Equations	Honors Algebra II w/ Trig or Instructor Approval	This course is not offered at PHS. Students will need to provide their own transportation to attend this course at another DCSD high school location. Students interested in this course should notify their counselor. Concurrent Enrollment credit is available.		
CIS 118 - Intro to PC Applications	None (However, Microsoft Office Applications class is helpful to most students)	None	3 Credits through Arapahoe Community College	Textbook Cost
ECE 101 - Intro to Early Childhood Education	3.0GPA, Accuplacer or specific SAT Score Child Development	2-3 hours per week of reading in preparation for class	3 credits through Arapahoe Community College	Textbook Cost
ECE 111 - Infant and Toddler Development	ECE 101	2-3 hours per week of reading in preparation for class. Observation of young children required.	3 Credits through Arapahoe Community College	Textbook Cost
ENGL 1200 & 1601 - College Prep Reading/Writing - Telling Tales: Narrative Art in Literature & Film	Junior English Course	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	3 or 6 credits through CU Denver - CU Gold Succeed Program	\$231 Tuition per semester and Novel Costs

Concurrent Enrollment Courses - Expectations and Information

Course Name	Course Prerequisite	Out-of-School Time Commitment	Credits Earned and Sponsoring Institution	ESTIMATED Course Fee
ENGL 1020 & ENGL 2030 - College Prep Reading/Research - Core Composition II	English II	Class participation is vital. Many assignments are completed in class. Out-of-school commitment varies.	3 or 6 credits through CU Denver - CU Gold Succeed Program	\$231 Tuition per semester and Novel Costs
ENVS 1042 - AP Environmental Science - Intro to Environmental Sciences	Successful completion OR co-enrollment in Chemistry	Class participation is vital. Many assignments are completed in class. Out-of-school commitment varies.	4 credits through CU Denver - CU Gold Succeed Program	\$308 Tuition, \$10 Lab Fee, Goggles and \$93 AP Exam
MAR 155 - Social Media for Business	Marketing I	DECA participation is mandatory.	3 Credits through Arapahoe Community College	\$20 DECA Membership Dues
MAR 160 - Customer Service	Marketing I	DECA participation is mandatory.	3 Credits through Arapahoe Community College	\$20 DECA Membership Dues
MAR 216 - Marketing II	Marketing I	DECA participation is mandatory.	3 credits through Arapahoe Community College	\$30/Semester and \$20 DECA Membership Dues
MAR 235 - Consumer Behavior	MAR 160 - Customer Service	DECA participation is mandatory.	3 credits through Arapahoe Community College	\$20 DECA Membership Dues
MATH 1110 - College Algebra a 1-year course	"C" in Algebra II Honors w/ Trig or Algebra II w/ Trig. or Instructor Approval	Class participation is vital. Out-of-school time commitment 2-3 hours per week.	4 credits through CU Denver - CU Gold Succeed Program	\$308 Tuition
MATH 1110 - College Algebra part of MATH 1120 as a Semester 2 course	"C" in Algebra II Honors w/ Trig or Algebra II w/ Trig. or Instructor Approval	Class participation is vital. Out-of-school time commitment 2-3 hours per week.	4 credits through CU Denver - CU Gold Succeed Program	\$308 Tuition
MATH 1120 - Pre-Calculus with Trigonometry part of College Algebra Semester 1 College Trigonometry	"C" in Algebra II Honors w/ Trig or Algebra II w/ Trig. or Instructor Approval	Class participation is vital. Out-of-school time commitment 2-3 hours per week.	3 credits through CU Denver - CU Gold Succeed Program	\$231 Tuition
MATH 1130 Honors Pre-Calculus Semester 1	Honors Algebra II with Trigonometry	Class participation is vital. Out-of-school time commitment 2-3 hours per week.	4 credits through CU Denver - CU Gold Succeed Program	\$308 Tuition
MATH 2830 - Statistical Reasoning - Introductory Statistics	Instructor Approval	Class participation is vital. Out-of-school time commitment 2-3 hours per week.	3 credits through CU Denver - CU Gold Succeed Program	\$231 Tuition
Teacher Cadet - Honors	3.00 GPA, Application process and Instructor Approval	3 -5 hours/ week for reading and completing assignments. Students must have own transportation to travel to feeder schools for observations and internship.	4 credits Pending approval	Tuition and Textbook
SPAN 2110 - Spanish IV	Successful completion of Level III Spanish.	Students will spend approximately 2-3 hours extra per week practicing reading, writing, listening, or speaking skills.	3 credits through CU Denver - CU Gold Succeed Program	\$231 Tuition, \$95 workbook
SPAN 2120 - AP Spanish	Successful completion of Level IV Spanish.	Online summer work and approximately 2-3 hours extra per week practicing reading, writing, listening, or speaking skills.	3 credits through CU Denver - CU Gold Succeed Program	\$231 Tuition, \$125 workbook and \$93 AP Exam

Honors Courses - Expectations and Information				
Course Name	Course Prerequisite	Out-of-School Time Commitment	Credits Earned and Sponsoring Institution	ESTIMATED Course Fee
Algebra I Honors	Teacher Recommendation	45 minutes per day.	None	Graphing Calculator Required
Biology Honors	Co-enrolled with Honors Geometry or higher.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	None	\$10/year lab fee and Goggles
English I Honors	2 "A's" in content knowledge and work habits grades in 8th Grade Language Arts each quarter or at least 2 "B's" in 8th Grade Discovery Language Arts each quarter.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	None	Cost of Novel Set
English II Honors	Minimum of a "B" in English I Honors or Instructor Approval.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	None	Cost of Novel Set
Honors Algebra II with Trig	Honors Geometry	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	None	Graphing Calculator Required
Honors Chemistry	Successful completion of Biology Honors or teacher recommendation and completion or concurrent enrollment of Algebra II.	Extensive outside class time will be required to be successful in this course.	None	Goggles
Honors Geometry	"A" in Algebra I in 8th or 9th grade, Instructor Approval, or placement exam.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	None	Graphing Calculator Required
Honors Pre-Calculus	Honors Algebra II with Trig or Honors College Algebra.	Class participation is vital. Many assignments are completed in class. Out-of-school time commitment varies.	None	Graphing Calculator Required
Teacher Cadet - Honors	Instructor approval, application process	3 -5 hours/ week for reading and completing assignments. Students must have own transportation to travel to feeder schools for observations and internship.	4 credits Pending approval	Tuition and Textbook

FOUR-YEAR HIGH SCHOOL PLAN Individual Career and Academic Plan (ICAP)



A four-year high school plan is a personalized pathway to ensure post-secondary readiness through the Individual Career and Academic Plan process. It is a listing of the courses a student plans to take during his/her freshman, sophomore, junior, and senior years. Students should have their first four-year plan written out by the time they begin their freshman year of high school. A document to help you complete your individual four-year plan is on the following page.

When making a four-year high school plan, consideration should be given to high school graduation requirements, college recommended courses, career plans, and changes in curriculum offerings. In addition, if you plan to play sports in college, athletic eligibility requirements.

Review and revision of the four-year plan is necessary every year. Adjustments need to be made for academic performance, personal interests, revised career plans, and changes in curriculum offerings. The best time to review and revise the plan is in the semester prior to registration.

If you ever have a question, or want to make sure that you are taking the right courses, schedule an appointment with your counselor prior to the semester in question.

SAMPLE
PONDEROSA HIGH SCHOOL
4 YEAR PLANNER/WORKSHEET

9 th Grade First Semester	Credit	9 th Grade Second Semester	Credit
Language Art:	.5	Language Art:	.5
Mathematics:	.5	Mathematics:	.5
Social Studies:	.5	Social Studies:	.5
Science:	.5	Science:	.5
World Language:	.5	World Language:	.5
Other:	.5	Other:	.5
Other:	.5	Other:	.5
Freshmen Transition:	0.0	Freshmen Transition:	0.0
Total Semester Credits		Total Semester Credits	
		Total 9 th Grade Credits	

10 th Grade First Semester	Credit	10 th Grade Second Semester	Credit
Language Art:	.5	Language Art:	.5
Mathematics:	.5	Mathematics:	.5
Social Studies:	.5	Social Studies:	.5
Science:	.5	Science:	.5
World Language:	.5	World Language:	.5
Other:	.5	Other:	.5
Other:	.5	Other:	.5
Total Semester Credits		Total Semester Credits	
		Total 10 th Grade Credits	

11 th Grade First Semester	Credit	11 th Grade Second Semester	Credit
Language Art:	.5	Language Art:	.5
Mathematics:	.5	Mathematics:	.5
Social Studies:	.5	Social Studies:	.5
Science:	.5	Science:	.5
World Language:	.5	World Language:	.5
Other:	.5	Other:	.5
Other:	.5	Other:	.5
Total Semester Credits		Total Semester Credits	
		Total 11 th Grade Credits	

12 th Grade First Semester	Credit	12 th Grade Second Semester	Credit
Language Art:	.5	Language Art:	.5
Mathematics:	.5	Mathematics:	.5
Social Studies:	.5	Social Studies:	.5
Science:	.5	Science:	.5
World Language:	.5	World Language:	.5
Other:	.5	Other:	.5
Other:	.5	Other:	.5
Total Semester Credits		Total Semester Credits	
		Total 12 th Grade Credits	
		TOTAL CREDITS NEEDED TO GRADUATE	24.0

SCHEDULE ADJUSTMENTS

Each year, Ponderosa High School creates a new master schedule based on data derived from student course requests. The expectation is that the courses requested represent decisions made collaboratively with the student, student's parents, teachers and students' counselor. *Based on these requests, faculty members are employed, textbooks are purchased, and rooms are allocated.*

The following guidelines are meant to assist students in determining whether a schedule adjustment is appropriate. The schedule adjustment form can be found on the Counseling webpage, under forms.

Typical reasons for making such an adjustment may include failure to successfully complete a course prerequisite the previous year, the need to repeat a course that the student failed the previous year or "See Counselor" on schedule. Seniors may add a class required for graduation. Unacceptable reasons for requesting a schedule adjustment include a desire to have a different lunch period, a desire for a teacher change, desire for a different 'off' period or desire for a different elective. Students are expected to complete an entire course regardless of a passing or failing grade.

Drop

Students will have the opportunity to drop a class for an off period within the first ten (10) school days of the semester. Drops are for up to one period off for sophomores and two periods off for juniors and seniors, as long as graduation requirements are being met. If the student is eligible to drop a class for an off period, a form must be completed and appropriate signatures obtained.

Level Changes

The procedure below is to be followed:

1. The student and/or the teacher must initially discuss the desire for the level change with the student's parent/guardian and counselor so that all parties are aware of the academic concerns and implications.
2. Before the level change process may begin, the student must have completed all homework assignments, tests to the best of his/her ability, and must have sought assistance from the teacher and/or resource area staff.
3. If a level change is deemed to be in the best interest of the student, the student will obtain the level change form from the Counseling webpage, under forms. The student must secure the signature of the teacher of the current class, the department coordinator, Assistant Principal and the student's parent/guardian. The student will give the form to his/her counselor for a signature and processing.

Withdrawal Fail

If a student withdraws from a class after the 10th school day, he/she must meet with his/her counselor. A grade of 'WF' (Withdraw Fail) will be recorded on the transcript.

IMPORTANT INFORMATION REGARDING ALL SCHEDULE ADJUSTMENTS

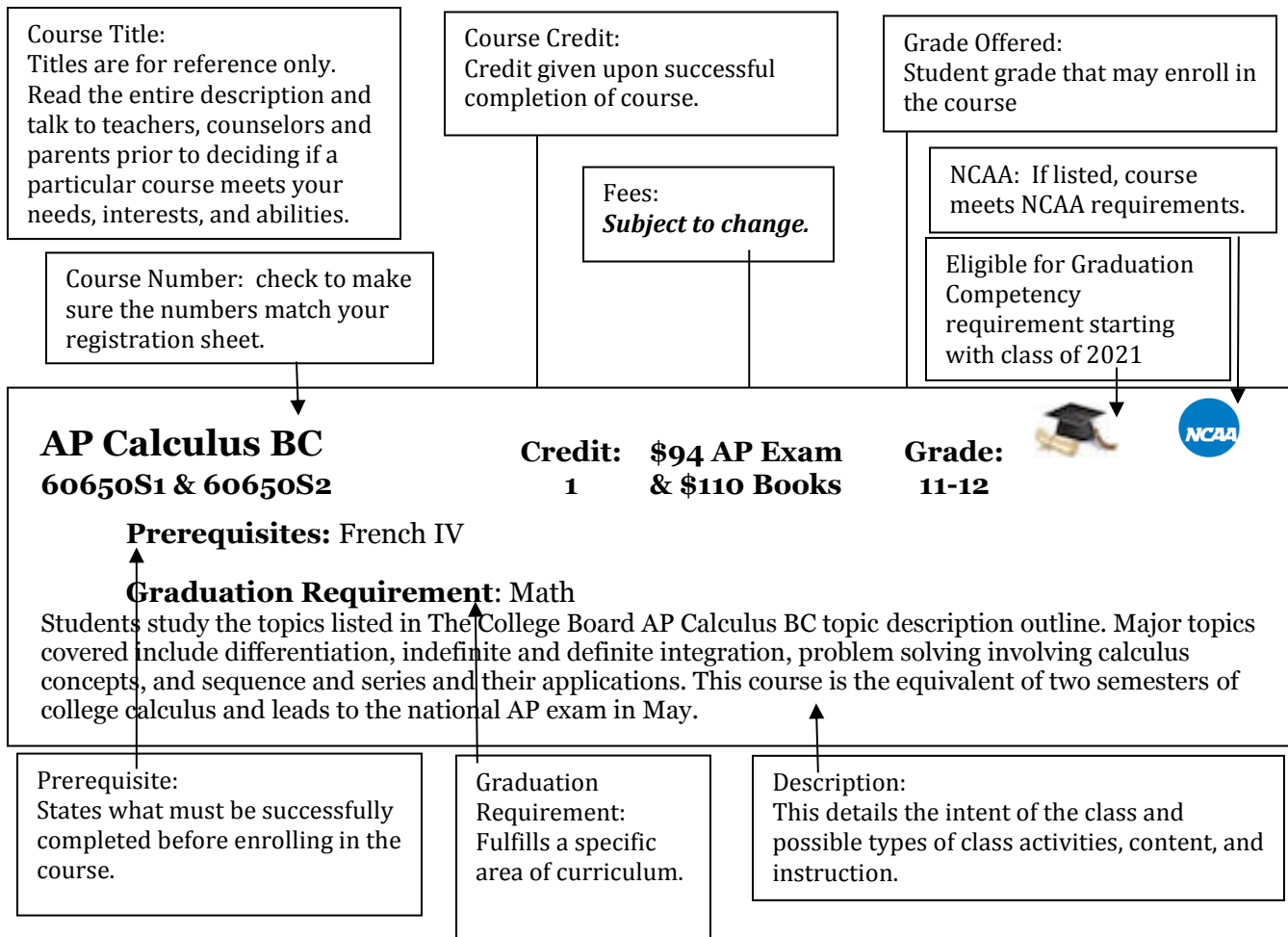
All schedule adjustments to be made within the first 10 days of the semester. Students MUST remain in a class from which they are dropping, withdrawing or pursuing a level change until the adjustment is entered into Infinite Campus and until the student receives a printed copy of the requested adjustment.

SAMPLE COURSE INTERPRETATION

This guide is intended as a planning tool for the coming school year. A close look at core department flowcharts, course descriptions, prerequisites, course fees and graduation requirements, will give you important information for the planning process.

Below is a sample course description in the style used throughout this guide. Carefully read the explanations provided.

.5 credit = 1 semester
1 credit = 2 semesters



Careful planning is essential to a successful and rewarding experience at Ponderosa High School. Parents, teachers, counselors, and administrators should all be involved in assisting the student to develop a comprehensive plan allowing for variety, specific interests, and special preparation for the future. ***It is important to emphasize that a counselor is available to assist the student in his/her course selections, but the final responsibility for course selections rests with the student and the parents.***



PONDEROSA HIGH SCHOOL 2018 -2019 BELL SCHEDULE

CARDINAL DAY

6:45AM-7:40AM	ZERO HOUR (MONDAY-THURSDAY)
7:45AM-8:00AM	RESOURCE
8:00AM-9:25AM	1 ST
9:30AM-11:00AM	3 RD
11:05AM-11:55AM	A LUNCH
11:05AM-12:30PM	5 TH B CLASS
12:35PM-1:25PM	B LUNCH
12:00PM-1:25PM	5 TH A CLASS
1:30PM-2:55PM	7 TH

GOLD DAY

6:45AM-7:40AM	ZERO HOUR (MONDAY-THURSDAY)
7:45AM-8:00AM	RESOURCE
8:00AM-9:25AM	2 ND
9:30AM-11:00AM	4 TH
11:05AM-11:55AM	A LUNCH
11:05AM-12:30PM	6 TH B CLASS
12:35PM-1:25PM	B LUNCH
12:00PM-1:25PM	6 TH A CLASS
1:30PM-2:55PM	7 TH

* Resource will be a designated time for students to meet with teachers. Attendance will not be taken during Resource.

** Announcements will be made during 3rd and 4th periods.

Business and Marketing Courses

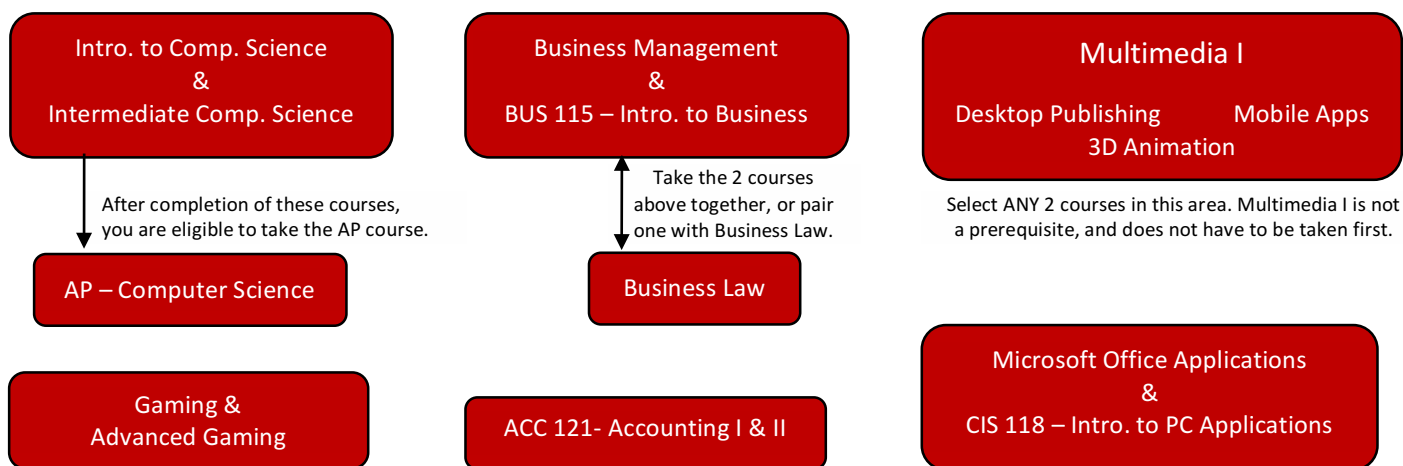
Course Title	9th Grade	10th Grade	11th Grade	12th Grade
ACC 121 - Accounting I		•	•	•
BUS 115 - Introduction to Business	•	•	•	•
Business Law	•	•	•	•
Business Management I	•	•	•	•
CIS 118 - Introduction to PC Applications	•	•	•	•
DECA			•	•
Desktop Publishing	•	•	•	•
Entrepreneurship			•	•
Mar 155 - Social Media for Business		•	•	•
MAR 160 - Customer Service			•	•
MAR 216 - Marketing II		•	•	•
MAR 235 - Consumer Behavior			•	•
Marketing I	•	•	•	•
Microsoft Office Applications	•	•	•	•
Multimedia I - Survey	•	•	•	•
School Store Manager			•	•
Sports Marketing			•	•

Success in business requires training and discipline and hard work. But if you're not frightened by these things, the opportunities are just as great today as they ever were.

David Rockefeller

Business & Technology Course Options

These are only recommended pairings for courses, based on content, and length of each course. Students are encouraged to try multiple courses based on their interest, and all courses are differentiated for 9-12 students. If you have more questions or need advice on which courses to take, feel free to ask any of the Business teachers. The beauty of these course pairings is that they are only a suggestion. Students can enter at any grade level, and mix and match courses that are of interest to them. Students in Business and Technology courses are encouraged to join **FBLA** (Future Business Leaders of America) and your student will prepare for college and careers through a variety of leadership, community service, and academic activities.



Marketing Pathway

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Year 1	Marketing I	Marketing I	Marketing I	Marketing I
Year 2	MAR 216 – Marketing II*	MAR 216 – Marketing II*	MAR 216 - Marketing II*	
Year 3	Entrepreneurship & Sports Marketing	Entrepreneurship, Sports Marketing, Customer Service*, Consumer Behavior* (Choose 2)	Juniors and Seniors enrolled in a Marketing course can also enroll in the School Store Manager course.	
Year 4	Customer Service* & Consumer Behavior*	The officer team members are enrolled in the leadership course, “DECA”.		

What is DECA? Join the 250 Ponderosa DECA members who are preparing for careers in marketing, finance, hospitality, management and entrepreneurship. You'll have the opportunity to become an academically prepared, community oriented, professionally responsible, experienced leader through participation in DECA activities at the local, chartered association and international levels. From community service projects, competitive events, educational conferences, leadership positions, networking and social media, you'll attain the knowledge and skills you need to be college and career ready. Joining is easy, enroll in a Marketing class.

ACC 121 - Accounting I (CE)	Credit:	Cost of ebook	Grade:
69005S1 & 69005S2	1		10-12

Prerequisites: None

Graduation Req: Practical Arts

Accounting I introduces the study of accounting principles for understanding of the theory and logic that underlie procedures and practices. Major topics include the accounting cycle for service and merchandising companies, special journals and subsidiary ledgers, internal control principles and practices, notes and interest, inventory systems and costing, plant assets and intangible asset accounting and depreciation methods and practices. Students may earn high school and college credit through Arapahoe Community College. (3 college credits)

BUS 115 - Introduction to Business (CE)	Credit:	Cost of book	Grade:
69015	0.5		9-12

Prerequisites: None

Graduation Req: Practical Arts

This course focuses on the operation of the American business system, covers fundamentals of the economy, global awareness, careers and opportunities, marketing, management, production, and social/ethical responsibilities. This is a project and discussion based course using technology in the classroom. Most students pair this course with Business Management. Students may earn high school and college credit through Arapahoe Community College. (3 college credits)

Business Law	Credit:	Grade:
25475	0.5	9-12

Prerequisites: None

Graduation Req: Practical Arts

This semester long elective is designed to introduce the students to Business and Personal Law in their everyday lives. Emphasis is placed on the study of legal rights and obligations that individuals will encounter in everyday business transactions and in their personal life. Consideration is given to problems and situations that require analysis of rights and responsibilities in legal agreements and relationships. A survey of the court system is presented. The study of criminal law, tort law, and contract law will be emphasized.

Business Management I	Credit:	Grade:
25705	0.5	9-12

Prerequisites: None

Graduation Req: Practical Arts

This is a project-oriented class designed with an overview of world business concepts including: global economics/awareness, entrepreneurship, marketing, management and social/ethical responsibilities in the world of business. Students research career opportunities and complete a career portfolio. This course establishes a foundation for further study of business as upperclassmen. Most students take this course along with BUS 115 Introduction to Business to receive the college credit.

CIS 118 - Introduction to PC Applications (CE)

69020

Credit: 0.5 **Cost of book**

Grade: 9-12

Prerequisites: None

Graduation Req: Practical Arts

Introduces computer concepts and components in word processing, spreadsheets, databases and presentation graphics as well as application-suite integration. This is a great way to get started for college and learn functional skills in computers. Students often pair this course with Microsoft Office Applications. Students may receive high school and college credit through Arapahoe Community College. (3 college credits)

DECA

25580 & 25580XX

Credit: 1 **\$20 DECA dues**

Grade: 11-12

Prerequisites: Teacher approval only

Graduation Req: Practical Arts

A limited number of operational and managerial/leadership positions are available with DECA and its school-based vending enterprise. Teacher approval is required for chosen leadership positions. Membership in DECA is mandatory for all DECA students.

Desktop Publishing -

(Multimedia II)

30600

Credit: 0.5 **\$30/Semester**

Grade: 9-12

Prerequisites: None

Graduation Req: Practical Arts

Multimedia II - Desktop Publishing allows students to move beyond the introductory level of electronic media for students to learn desktop publishing skills. Students will create projects such as calendars, cards, brochures, and other small business or club based marketing and informational handouts.

Entrepreneurship

25525

Credit: 0.5 **\$30/Semester + \$20 DECA dues**

Grade: 11-12

Prerequisites: Marketing I

Graduation Req: Practical Arts

Entrepreneurship is a course designed for upperclassmen who are interested in exploring advanced topics in marketing and business ownership. This is a course that will require you to demonstrate your ability to work independently, identify and utilize available resources, and write and present an extensive formal business plan for a proposed business of your choice. Active participation in DECA is an integral component of the curriculum and is strongly encouraged. Membership in DECA is mandatory for all Entrepreneurship students.

MAR 155 - Social Media for Business (CE)

69217

Credit: \$20 DECA dues

0.5

Grade:

10-12

Prerequisites: Marketing I

Graduation Req: Practical Arts

Social Media for Business teaches students how to use social media as a business strategy and covers how to match that strategy with the goals of the business. This course addresses current trends, ethics, regulations, legal challenges, strategy, content development, and change management. This course helps students develop a better understanding of how marketing with social media is similar to and different from traditional marketing and how to best use online methods to further business goals. Membership in DECA is mandatory. Students may earn high school and college credit through Arapahoe Community College. (3 college credits)

MAR 160 - Customer Service (CE)

69003

Credit: \$20 DECA dues

0.5

Grade:

11-12

Prerequisites: Marketing I

Graduation Req: Practical Arts

Customer Service enables students to learn the relationship of self to customers, problem solve and understand the importance of communicating with customers. Specific emphasis is given to managing customer expectations by building customer rapport and creating positive outcomes. This course is recommended for third and fourth year Marketing students. Membership in DECA is mandatory. Students may earn high school and college credit through Arapahoe Community College. (3 college credits)

MAR 216 - Marketing II (CE)

25572S1 & 25572S2

Credit: \$30/Semester +

1

\$20 DECA dues

Grade:

10-12

Prerequisites: Marketing I

Graduation Req: Practical Arts

Marketing II presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer. An integral component of the Marketing II course involves the application of these concepts in the management and operation of the school store. Active participation in DECA is an integral component of the curriculum. Membership in DECA is mandatory for all Marketing II students. Students may earn high school and college credit through Arapahoe Community College. (3 college credits)

MAR 235 - Consumer Behavior (CE)

69004

Credit: \$20 DECA dues

0.5

Grade:

11-12

Prerequisites: Marketing I

Graduation Req: Practical Arts

Consumer Behavior enables the student to understand the variables that affect student behavior in the marketplace and the implications of this knowledge for marketing decisions and strategies. Membership in DECA is mandatory. Students may earn high school and college credit through Arapahoe Community College. (3 college credits)

Marketing I
25570S1 & 25570S2

Credit: \$30/Semester +
1 \$20 DECA dues

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

Marketing I is an introductory course for students interested in marketing and business. The course explores the fundamentals of marketing including economics, sales, product/service planning, and promotion/advertising, marketing research, communications, legal and ethical issues, and marketing career development. A hands on, project oriented approach is used to make the class interesting and fun. Active participation in DECA is an integral component of the curriculum. Membership in DECA is mandatory for all Marketing I students.

Microsoft Office
Applications

25425

Credit: \$35/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

This course includes MS Word (word processing), MS Excel (spreadsheets), MS PowerPoint (presentation software) and MS Access (database). This class is essential for personal, college and career use. In addition, students prepare for the MOS (Microsoft Office Specialists certifications in Word, Excel, PowerPoint, and Access). Microsoft Office Specialist certification, the premier Microsoft desktop productivity certification, is a globally recognized standard that validates computer desktop skills. The Microsoft Office Specialist program is meeting the demand for "job-ready" people in the global workplace.

Multimedia I - (Survey)
30575

Credit: \$35/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

In the Multimedia I - Survey course, students will learn media areas to compare, analyze, and combine various multimedia software such as animation, video, photo-editing, web-design, mobile app and desktop publishing. This course would pair well with Intro. to Computer Science or 3D Animation.

School Store Manager
40715

Credit:
0.5

Grade:
11-12

Prerequisites: Teacher Approval

Graduation Req: Electives

Students will function as store managers for the school store. They will be responsible for all operations of the store, including product development, promotion and distribution of goods, pricing and inventory control functions. Students will properly supervise, keep merchandise on hand, and adhere to store operating procedures. Students must be concurrently enrolled in a Marketing class.

Sports Marketing
25573

Credit: \$20 DECA dues
0.5

Grade:
11-12

Prerequisites: Marketing I

Graduation Req: Practical Arts

Sports Marketing provides students with in-depth exposure to the world of sports and athletes by examining the marketing as affected by athletes, fans, corporations, and the general population's interest in professional and amateur competition. Students will explore the wide range of marketing topics related to the sports industry including: sponsorship, apparel, advertising, brand loyalty, and target marketing. Students will engage in classroom experiences including researching career pathways and degrees, usage of technology in sports marketing, analysis of current sports related marketing trends, creation of promotional portfolios and interaction with sports marketing experts. Membership in DECA is mandatory.

Engineering & Computer Science

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Advanced Gaming	•	•	•	•
AP Computer Science A		•	•	•
Engineering II and Solidworks (ACC - CAD 255)		•	•	•
Engineering III			•	•
Gaming I	•	•	•	•
Intermediate Computer Science	•	•	•	•
Introduction to Computer Science	•	•	•	•
Introduction to Engineering and Engineering I	•	•	•	•
Introduction to Mobile Apps - (Advanced Software Applications)	•	•	•	•
3D Animation - (Multimedia II)	•	•	•	•

Ponderosa High School added the Engineering and Computer Science Department during the 2016-2017 academic year. Courses will be added based on demand. For the 2017-2018 academic year, this will include Engineering II, Solidworks and Advanced Placement Computer Science A. In future years, Engineering III & IV will be offered.

Engineering and Computer Science Pathways

		Year 1	Year 2	Year 3	Year 4
Engineering Pathway	Semester 1	Intro to Engineering and Engineering I are taken together the first year	Engineering II	Engineering III	Engineering IV
	Semester 2		Solidworks		
Computer Science Pathway	Semester 1	Introduction To Computer Science	AP-Computer Science (AP-CSA)		
	Semester 2	Intermediate Computer Science			

The Engineering Student will learn about various Engineering fields and be exposed to elemental applications through the use of Project/Problem Based Learning. In addition, they will have the opportunity to learn and use a specific Computer Aided Design (CAD) program called Solidworks that is used in Engineering programs at many Universities.

The Computer Science Student will be Introduced to the logic and concepts that drive the computing world. They will be exposed to Object Oriented Languages and Programming and take the AP-CSA course which is Java based.

Advanced Gaming

(Multimedia III)

31020

Credit: \$35/Semester

0.5

Grade:

9-12

Prerequisites: Gaming I

Graduation Req: Practical Arts

Advanced Gaming introduces computer program design using concepts of structured programming and logic. Students will move beyond the intermediate level of electronic media to learn advanced skills in video game creation. Includes pseudocode, flowcharts, and structure charts. Covers variables, data types, control structures, looping, program breaks, and arrays.

AP Computer Science A

30505S1 & 30505S2

Credit: \$94 Exam

1

Grade:

10-12

Prerequisites: Engineering I and Introduction to Engineering

Graduation Req: Practical Arts

Computer Science A emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first-semester college-level course in Computer Science; It also includes the study of data structures, design, and abstraction. Students will be prepared to take the AP Computer Science A exam.

Engineering II &

Solidworks (ACC CAD 255)

80334 & 69075

Credit: \$50/Semester

0.5

Grade:

10-12

Prerequisites: Introduction to Engineering & Engineering I

Graduation Req: Practical Arts

Engineering II is a semester-long course that offers students the opportunity to practice engineering concepts in a modular lab design. Students will complete short introductory rotations on modules designed to provide hands-on experience with engineering applications. These applications include: wind tunnel technology, pneumatics, sensor technology, materials testing, design of structures, GPS technologies, mechanical systems, etc. The focus is on developing skills that the students can apply to projects and to motivate students to continue their learning in math and science. Solidworks is a semester-long course that introduces parametric feature-based solid modeling 3D concepts to build confidence in 3D thinking and progresses to three-dimensional parameters. The student learns to construct, modify, and manage complex parts in 3D space as well as to produce 2D drawings from the 3D mode. Students may earn high school and college credit through Arapahoe Community College (3 credits) pending approval.

Engineering III

80336S1 & 80336S2

**Credit: \$50/Semester
pending board
approval**

1

Grade:

11-12

Prerequisites: Engineering II & Solidworks (ACC CAD 255)

Graduation Req: Practical Arts

In this year-long course, students will have the opportunity to work in teams to complete pre-engineering projects which may include background on pneumatics, programmable logic controllers, 3D Printing, materials testing, design and testing of structures, electronics, sensors and mechanical systems. Projects may include: automated systems, drones, solar cells, and catapults. The overall goal is to provide students a background to make informed career choices about their interest and ability in pursuing learning in math, science and engineering.

Gaming I (Multimedia II)
31005

Credit: \$35/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

Gaming I students will move beyond the introductory level of electronic media for students to learn intermediate skills in video gaming. This will Include Character Animation, Landscape Manipulation, and Structures.

Intermediate Computer
Science

30450

Credit: \$15/Semester
0.5

Grade:
9-12

Prerequisites: Introduction to Computer Science

Graduation Req: Practical Arts

Introduces students to the discipline of computer science. Covers algorithm development, data representation, logical expressions, subprograms and input/output operations using a structured programming language.

Introduction to Computer
Science

30455

Credit: \$15/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

In this course, the basics of computer programming are learned and practiced as students write their own computer programs, including computer games. Students will develop problem solving, critical thinking, math, and programming skills.

Intro. to Engineering &
Engineering I

80345 & 80332

Credit: \$50/Semester
1

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

Introduction to Engineering is a semester-long class designed to open the door on engineering foundations and their application to the real world using a Project Based Learning structure. Topics of study may include, but are not limited to, engineering analysis, testing, physics, planning and design, digital manufacturing design and fabrication, intelligent systems biorobotics, dynamic logic and sensory imaging, and aerospace rocketry-aerodynamic engineering.

Engineering I is a semester-long course that offers students the opportunity to work with Arduino kits to explore design, systems, sensor technology, and programming. Students will work in small teams to compete against classmates in a Problem Based Learning environment. Possible events include Sea Perch, robot soccer, drag racing, sensor based line-follow, and a Mar's rover challenge. Students will use the 12 - step engineering process to develop and test their robots and will conclude the class by exploring careers that involve robotics.

Intro to Mobile Apps -

(Programming and Mobile Apps)

30460

Credit:

0.5

Grade:

9-12

Prerequisites: None

Graduation Req: Practical Arts

This is a project-oriented course that examines the principles of mobile application design and development for mobile platforms such as Apple iOS and Android devices. This course teaches skills in one of the fastest growing areas of computer programming. Student's will choose a platform and specialize in that area. This course is for anyone with basic familiarity with computer programming, who wants to learn how to get started with mobile application development.

3D Animation (Multimedia II)

31010

Credit: \$35/Semester

0.5

Grade:

9-12

Prerequisites: None

Graduation Req: Practical Arts

Multimedia II - 3D Animation students will move beyond the introductory level of electronic media for students to learn skills in 3-D Modeling and Animation. This course focuses on using various software applications for developing two and three dimensional animations. Upon completion of this course, students will have the fundamental skills to create animated short movies.

English Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
AP Language & Composition			•	•
AP Literature & Composition			•	•
Collaboration & Innovation in the 21st Century	•	•	•	•
College Prep Reading & Research			•	•
College Prep Reading & Writing			•	•
Creative Writing	•	•	•	•
English I	•			
English I Honors	•			
English II		•		
English II Honors		•		
English III			•	
English IV				•
ESL - English as a Second Language	•	•	•	•
Public Speaking	•	•	•	•

"The art of art, the glory of expression and the sunshine of the light of letters, is simplicity."

Walt Whitman

AP Language & Composition

50390S1 & 50390S2

Credit: 1
Cost of Novels & \$94 AP Exam

Grade: 11-12



Prerequisites: Sophomores must complete English II Honors and earn an A or B. Juniors must complete AP Literature and Composition and earn an A or B.

Graduation Req: Language Arts

This co-taught course follows the College Board curriculum for Advanced Placement Language and Composition. This is a rigorous year-long course that places classroom attendance and participation at a premium. A college level reading ability and a firm grasp of the academic essay in both form and function is mandatory. This accelerated year-long course prepares students for the AP English Language and Composition exam through reading and analysis of nonfiction essays and literature in addition to polishing critical thinking and writing skills. Because students who pass the AP exam may earn college credit, the degree of difficulty is high. At the same time, the course introduces students to critical reading, note-taking, time management, and work ethic vital for success in college and the work place. The position paper, analysis paper, and synthesis paper are the focus of the course. Students will learn to analyze and utilize rhetorical strategies and stylistic devices in the context of a variety of types of essays. They will be expected to complete summer reading/writing in preparation for the course. Students are expected to take the AP Exam and have the opportunity to earn college credit. Students are expected to purchase novels for the course. The co-taught team teaching model allows students to experience multiple perspectives and instruction styles, as well as a host of classroom activities that cannot be facilitated in a single instructor course. It also allows for more select differentiation of instruction giving students a richer overall experience. **(Course to be offered in 2019-2020).**

AP Literature & Composition

50400S1 & 50400S2

Credit: 1
Cost of Novels & \$94 AP Exam

Grade: 11-12



Prerequisites: Sophomores must complete English II Honors and earn an A or B. Juniors must complete AP Literature and Composition and earn an A or B.

Graduation Req: Language Arts

This co-taught accelerated yearlong course prepares students for the AP English Literature and Composition exam through reading and analysis of classic literature (primarily world literature). Students have the opportunity to polish critical thinking and writing skills. This course has a high degree of difficulty. Students use both a writing process approach and a timed writing approach in order to build fluency, control, and effectiveness in their writing, and they will be expected to complete summer reading in preparation for the course. Students are expected to take the AP Exam and have an opportunity to earn college credit. Students are expected to purchase novels for the course. The co-taught team teaching model allows students to experience multiple perspectives and instruction styles, as well as a host of classroom activities that cannot be facilitated in a single instructor course. It also allows for more select differentiation of instruction giving students a richer overall experience. **(This course is offered in 2018-2019 and not in 2019-2020).**

Collaboration & Innovation in the 21st Century 50525

Credit:
.5

Grade:
9-12

Prerequisites: None

Graduation Req: Elective

A one semester hands on English course for all grades intended to empower students with real world communication skills for problem solving. Students will utilize collaboration and creativity to explore a problem or issue in the community and design a solution. Students may also utilize collaboration and creativity to explore inefficiencies and redundancies in non-profit organizations and design a workable solution for those. Students will learn their strengths and weaknesses in communication and collaboration and work to enhance or remedy them to create greater efficiency in the collaborative environment. Students will study the concept of innovation and creativity through the stories of great leaders to develop a mindset of innovation and creativity. The class will incorporate play, problem solving, research, reflection, collaboration, inquiry, design thinking, and communication (both written and verbal) skills.

College Prep Reading & Research 50522S1 & 50522S2

Credit: **1** **Cost of Novels &
CU Succeed Fee**

Grade:
11-12



Prerequisites: English II

Graduation Req: Language Arts

This co-taught course is offered through the CU Succeed Program and is a college level course. This yearlong course teaches the college-bound student to write clearly and effectively for a variety of college situations, regardless of the student's major field of study. Students will be expected to read and understand a variety of nonfiction and fiction texts which emphasize human diversity and ethical behavior. Discussions and papers will demand that students critically analyze the author's positions on these issues and form their own opinions based on evidence they provide. In addition, the course emphasizes vocabulary building and broadens critical thinking skills through reading and language activities. This course is designed to help students prepare for the demanding writing requirements in college. Students will learn and practice various types of writing, such as persuasion, personal narrative, and essays that incorporate sources. Students will also learn to analyze and use the art of rhetoric. Students will learn other valuable skills to help make the transition to college a smooth one. The co-taught team teaching model allows students to experience multiple perspectives and instruction styles, as well as a host of classroom activities that cannot be facilitated in a single instructor course. It also allows for more select differentiation of instruction giving students a richer overall experience. Students are expected to purchase novels for the course. **(Course to be offered in 2019-2020).**

College Prep Reading & Writing

50515S1 & 50515S2

Credit: 1
Cost of Novels & CU Succeed Fee

Grade: 11-12



Prerequisites: Sophomore or Junior English Class

Graduation Req: Language Arts

This co-taught course is offered through the CU Succeed Program and is a college level course. This yearlong course teaches the college-bound student to write clearly and effectively for a variety of college situations, regardless of the student's major field of study. Students will be expected to read and understand a variety of nonfiction and fiction texts which emphasize human diversity and ethical behavior. Discussions and papers will demand that students critically analyze the author's positions on these issues and form their own opinions based on evidence they provide. In addition, the course emphasizes vocabulary building and broadens critical thinking skills through reading and language activities. This course is designed to help students prepare for the demanding writing requirements in college. Students will learn and practice various types of writing, such as persuasion, personal narrative, and essays that incorporate sources. Students will also learn to analyze and use the art of rhetoric. Students will learn other valuable skills to help make the transition to college a smooth one. The co-taught team teaching model allows students to experience multiple perspectives and instruction styles, as well as a host of classroom activities that cannot be facilitated in a single instructor course. It also allows for more select differentiation of instruction giving students a richer overall experience. Students are expected to purchase novels for the course. **(This course is offered in 2018-2019 and not in 2019-2020).**

Creative Writing

50470

Credit: 0.5

Grade: 9-12



Prerequisites: None

Graduation Req: Elective

This course focuses on the creative genres of writing: poetry, fiction and drama. Students are taught structures and models from each genre and are then assigned various writing activities within the genres. Students are also expected to engage in extensive critiquing, editing, and rewriting activities. Writers are encouraged to share their writing with classmates.

English I

50300S1 & 50300S2

Credit: 1

Grade: 9



Prerequisites: None

Graduation Req: Language Arts

This year-long course is designed to help students transition to the high school English program by refining and strengthening reading, writing, and communication skills. It gives students the opportunity to develop an understanding and appreciation of literature. Students will study literature through the genres of a novel, drama, short story, non-fiction, and poetry, as well as through common themes. Students will study writing and the writing process by composing a personal narrative and composing a standard five-paragraph essay with a focus on literary analysis. The study of grammar, usage, and mechanics will be integrated with students' writing. Homework plays an essential role in the course, along with the study of vocabulary.

English I Honors

50310S1 & 50310S2

Credit: 1
Cost of Novels

Grade: 9



Prerequisites: Students must earn 2 A's in content knowledge and work habits grades in 8th Grade Language Arts each quarter or at least 2 B's in 8th Grade Discovery Language Arts each quarter.

Graduation Req: Language Arts

This year-long, accelerated course is intended for students capable of a challenging curriculum, and provides a strong foundation for subsequent Honors and Advanced Placement English classes. Students will examine literature at a more in-depth and rigorous level than in English I and will compose more sophisticated essays, including the critical analysis essay, persuasive essay, and personal narrative. Homework is an essential part of the course, but classroom attendance and participation is just as critical. Students will be expected to complete summer reading and/or writing in preparation for the school year. Students are expected to purchase novels for the course.

English II

50330S1 & 50330S2

Credit: 1

Grade: 10



Prerequisites: English I

Graduation Req: Language Arts

This year-long course is designed to help students transition to the high school English program by refining and strengthening reading, writing, and communication skills. It gives students the opportunity to develop an understanding and appreciation of literature. Students will study literature through the genres of a novel, drama, short story, non-fiction, and poetry, as well as through common themes. Students will study writing and the writing process by composing a personal narrative and composing a standard five-paragraph essay with a focus on literary analysis. The study of grammar, usage, and mechanics will be integrated with students' writing. Homework plays an essential role in the course, along with the study of vocabulary.

English II Honors

50340S1 & 50340S2

Credit: 1
Cost of Novels

Grade: 10



Prerequisites: Students must earn an A or B in English I Honors. Students not meeting this requirement may test into the course or be admitted based on current teacher's recommendation. See your current English teacher for information on testing dates and times.

Graduation Req: Language Arts

This year-long accelerated course includes much of the literature, vocabulary study, and writing experiences of English II, but at an accelerated level (reading assignments, homework, and complexity of writing will be augmented). This course is intended for students capable of a challenging curriculum and provides a strong foundation for subsequent Advanced Placement English classes. In addition, the study of grammar, usage and mechanics will be integrated with students' writing. In addition to the increased homework load, Honors English II students will be expected to complete summer assignments in preparation for the school year. Students are expected to purchase novels for the course.

English III
50360S1 & 50360S2

Credit:
1

Grade:
11



Prerequisites: English II

Graduation Req: Language Arts

This year-long course will challenge students to improve the sophistication of their writing by asking students to write for a variety of purposes and audiences. The course will stress the critical study of archetypes and analysis of these elements within a variety of fiction and non-fiction. Students will also study and analyze literary philosophies and examine the element of satire.

English IV
50440S1 & 50440S2

Credit:
1

Grade:
12



Prerequisites: English III

Graduation Req: Language Arts

In this year-long course, seniors will prepare for career and college by writing a resume, and a college admissions essay, and by implementing interviewing skills. The reading and annotation of fictional texts will boost vocabulary and comprehension, but most of the reading and writing will be non-fiction with an emphasis on theme, author's purpose, identifying evidence from the text, and vocabulary. Students will also study and analyze literary philosophies and examine the element of satire.

**ESL - Elective (English as a
Second Language)**

40604S1 & 40604S2

Credit:
1

Grade:
9-12

Prerequisites: Instructor Approval

Graduation Req: Elective

This course offers extended opportunities for all English learners to practice literacy skills - listening, speaking, reading, and writing. In addition to developing literacy skills, students will have resource time to get additional support from teachers in their content classes and the ESL teacher.

**ESL - English (English as a
Second Language)**

40600S1 & 40600S2

Credit:
1

Grade:
9-12

Prerequisites: Instructor Approval

Graduation Req: Language Arts

ESL is a year-long English class for students whose first language was not or is not English. The purpose of this class is to support students in building skills that will help them be successful in their course work. This class covers the mechanics of the English language such as sentence structure and labeling of the parts of a sentence; nouns, pronouns and adjectives. Students will be doing weekly vocabulary related to their academic classes such as Geometry, Algebra and Science as well as grade level vocabulary. There will be a heavy focus on writing for a variety of purposes, paragraph structure and MLA citations. Students will have an opportunity to present to their classmates and work collaboratively on writing and presentation pieces. Students will read subjects such as "creativity and the artist" and "When is a risk worth taking, or what is important enough to you to take a risk."

Public Speaking

50700

Credit:

0.5

Grade:

9-12

Prerequisites: None

Graduation Req: Elective

This course prepares students for a variety of speaking situations they will inevitably encounter in their academic and professional careers. Emphasis is placed on improving confidence and self-esteem while developing and practicing communication skills. By giving presentations to the class, students will learn presentation techniques, organizational patterns, use of evidence and research, and listening skills.

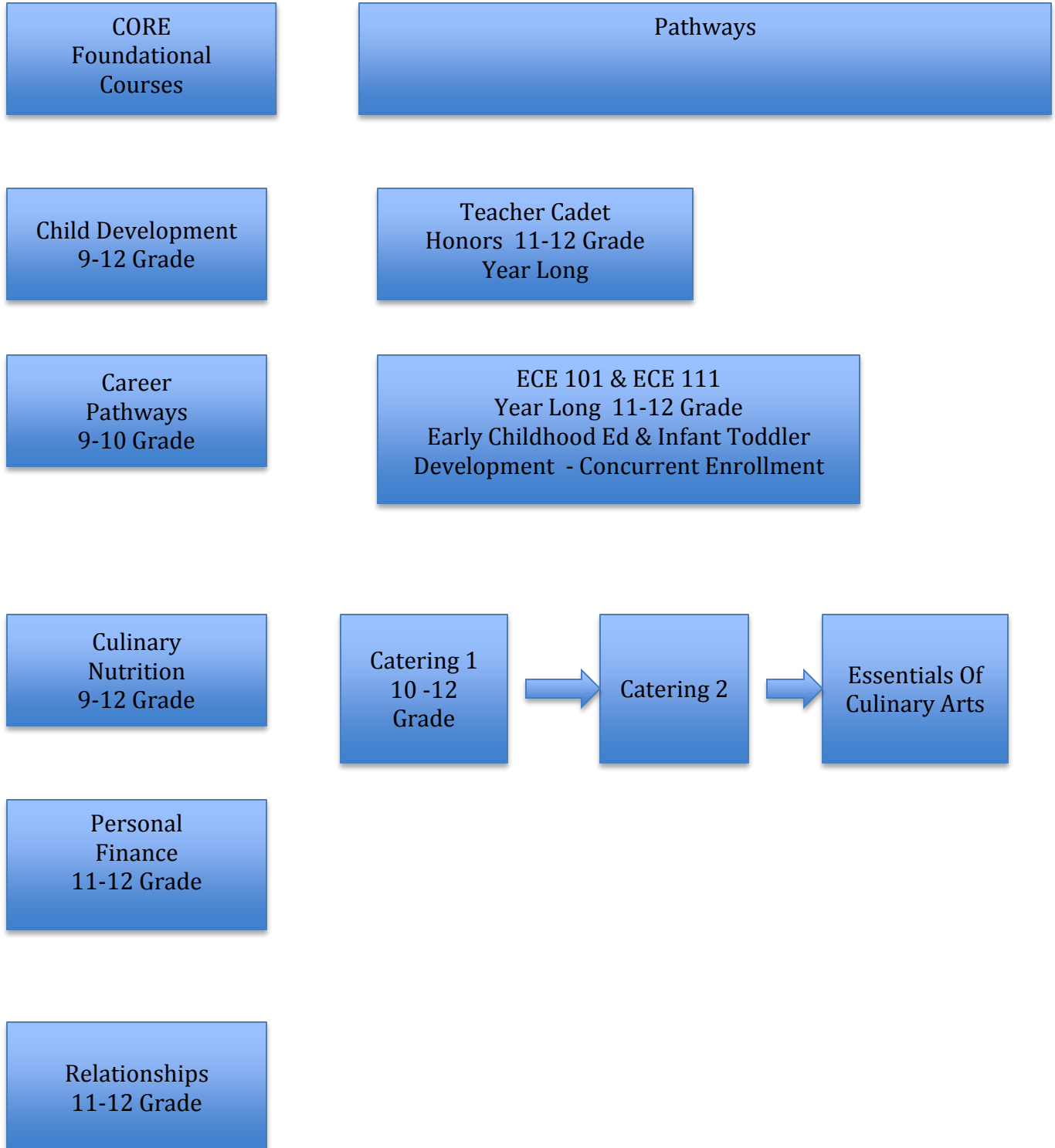
Family Consumer Sciences Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Career Pathways	•	•		
Catering I		•	•	•
Catering II		•	•	•
Child Development	•	•	•	•
Culinary Nutrition	•	•	•	•
ECE 101 - Intro to Early Childhood Education			•	•
ECE 111 - Infant & Toddler Development			•	•
Personal Finance			•	•
Relationships			•	•
Teacher Cadet - Honors			•	•

Mission Statement:

DCSD Career and Technical Education programs provide students with real world knowledge, career and technical skills, and occupational experience through project based learning to enable them to lead with integrity and influence the future as productive and employable citizens.

Family & Consumer Sciences Pathways
Ponderosa High School
2018-2019



Career Pathways**55550****Credit:****0.5****Grade:****9-10****Prerequisites:** None**Graduation Req:** Practical Arts

This course is designed to identify career interest areas determined by assessing skills, aptitude, interests and personality. Students will develop education and career readiness abilities necessary for post secondary education and job searching. Students will interact with professionals who work in various careers, explore the Colorado Career Cluster Model, and research a selected career which meets individual interests, skills and values based on the information and insight gained through class activities and projects.

Catering I & Catering II**55338 & 55339****Credit: \$40/Semester****0.5****Grade:****10-12**

Prerequisites: Students must plan on taking Catering II when enrolled in Catering I. Therefore seniors enrolling must take both semesters, otherwise seniors should be enrolled in Culinary Nutrition.

Graduation Req: Practical Arts

Catering is a culinary class designed for the beginning to advanced student. Students will develop skills in safety, sanitation, basic food preparation techniques, knife skills, baking, cooking methods, creative meal planning, plate presentation and customer service. Second semester expands on techniques and skills, providing students with the opportunity to expand their culinary expertise, cater events and discover food traditions from around the world. Students will apply their knowledge in the numerous culinary areas through weekly labs. This class is geared towards students entering the restaurant, hospitality or lodging fields. The National Restaurant Association ServSafe Certification Exam will be offered for a \$40.00 fee.

Child Development**55759****Credit:****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Practical Arts

Whether there is an interest in working with children, applying knowledge to a future family, or even learning more about younger family members, this course is designed to introduce students to early childhood development. It provides an overview of intellectual, physical, social, and emotional development from birth to elementary age. In addition, parenting and prenatal development are essential components to the course. An exciting aspect of this course is getting the opportunity to participate in the infant simulator.

Culinary Nutrition**55378****Credit: \$40/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Practical Arts

Culinary Nutrition provides students the opportunity to develop lifelong and healthy habits with an understanding of nutritious food preparation techniques utilizing a variety of 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 educated consumer decisions.

**ECE 101 - Intro to Early
Childhood Education (CE)****69070****Credit: Textbook
0.5****Grade:
11-12****Prerequisites:** Child Development, 3.0 GPA**Graduation Req:** Practical Arts

Provides an introduction to Early Childhood Education. Includes the eight key areas of professional knowledge: Child Growth and Development; Health, Nutrition and Safety; Developmentally Appropriate Practices; Guidance; Family and Community Relationships; Diversity; Professionalism; Administration and Supervision. Focuses on birth through age eight. **(Course to be offered in 2019-2020).**

**ECE 111 - Infant & Toddler
Development (CE)****69060****Credit: Textbook
0.5****Grade:
11-12****Prerequisites:** ECE 101 for college credit with passing grade, Accuplacer sentence skill score of 70 or ACT minimum of 17.**Graduation Req:** Practical Arts

Presents an overview of theories, applications (including observation), and issues pertinent to infant and toddler development in group and/or family settings. Includes state requirements for licensing, health, safety and nutrition. Focuses on birth through age three. **(Course to be offered in 2019-2020).**

Personal Finance**55500****Credit:
0.5****Grade:
11-12****Prerequisites:** None**Graduation Req:** Practical Arts

This class is designed for students who will handle economic and life management issues independently. Units of study include career preparation, budgeting, credit, consumerism, housing and transportation options, and insurance. This is an academically challenging project based class which revolves around the individual.

Relationships**55310****Credit:
0.5****Grade:
11-12****Prerequisites:** None**Graduation Req:** Practical Arts

The focus of this course is establishing and maintaining healthy relationships throughout your lifespan. This class is designed to help students understand the relationships they have with peers, family and in the work place. Students will recognize the components of healthy relationships. This course also covers the principles of effective communication skills and offers coping strategies for everyday life.

Teacher Cadet - Honors (CE) **Credit:** **Cost of textbook** **Grade:**
55470S1 & 55470S2 **1** **11-12**

Prerequisites: Instructor approval, 3.0 GPA and application process

Graduation Req: Practical Arts

Interested in teaching as a possible profession? Get a head start on your college career. College credit for this honors introduction to education course is available pending approval. Students will be involved in a fast-paced, innovative, hands-on curriculum where they gain knowledge about teaching and learning. The teacher cadets will develop and master effective skills that will be helpful in college and beyond, such as public speaking, writing, communication and reasoning skills. The curriculum explores education as a career by investigating numerous positions and their duties in the education field, from central administration to principals, counselors, and teachers at various levels and subjects. During extended field experience students will plan, present and assess lessons in collaboration with an experienced teacher. **(This course is offered in 2018-2019 and not in 2019-2020).**

[Application: Complete online](#)

Fine Arts Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
AP Art History		•	•	•
AP Studio Art - Drawing & Painting			•	•
AP Studio Art - 2D Design Graphic Design			•	•
AP Studio Art - 2D Design Photography			•	•
AP Studio Art - 3D Design Ceramics			•	•
AP Studio Art - 3D Design Jewelry			•	•
AP Studio Art - 3D Design Sculpture			•	•
Art Experience I	•	•	•	•
Art Experience II	•	•	•	•
Ceramics I	•	•	•	•
Ceramics II	•	•	•	•
Ceramics III		•	•	•
Ceramics IV		•	•	•
Drawing/Painting I	•	•	•	•
Drawing/Painting II	•	•	•	•
Drawing/Painting III		•	•	•
Drawing/Painting IV		•	•	•
Graphic Design I	•	•	•	•
Graphic Design II	•	•	•	•
Graphic Design III		•	•	•
Graphic Design IV		•	•	•
Jewelry I	•	•	•	•
Jewelry II	•	•	•	•
Photography I	•	•	•	•
Photography II	•	•	•	•
Photography III		•	•	•
Photography IV		•	•	•
Sculpture I	•	•	•	•
Sculpture II	•	•	•	•
Sculpture III		•	•	•

Creativity is allowing yourself to make mistakes. Art is knowing which ones to keep.

Scott Adams

AP Art History

15485S1 & 15485S2

Credit: **\$20/Semester,**
1 Textbook & \$94 AP
Exam

Grade:
10-12

Prerequisites: None

Graduation Req: Fine Arts

This course is a chronological survey of art history starting with prehistoric art and ending with 21st century art. Students will gain knowledge and understanding of architecture, sculpture, painting, and other art forms within historical and cultural contexts. Contextual issues such as politics, religions, patronage, gender, function, and ethnicity will be addressed. Selected works from beyond the Western tradition will be included. Analysis of art will include the understanding of the elements of art and the principles of design. Students should be aware that Advanced Placement Art History involves significantly more time than the average high school course. Students who have excelled in Humanities, such as history, literature, and Studio Art, are encouraged to enroll in this course for their junior or senior year.

AP Studio Art/Drawing & Painting

15476S1 & 15476S2

Credit: **\$40/Semester +**
1 \$94 AP Exam

Grade:
11-12

Prerequisites: Instructor approval

Graduation Req: Fine Arts

The Advanced Placement Program in art is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical high school course and that the program is not for the casually interested. Drawing and painting projects include a wide spectrum of media and methods. Students will complete an area of concentration with theme and media development. Students will also complete an area of breadth demonstrating a variety of skills, ideas, and media. Students will complete an AP Portfolio in 2D Design or Drawing.

AP Studio Art/2D Design Graphic Design

15477S1 & 15477S2

Credit: **\$40/Semester +**
1 \$94 AP Exam

Grade:
11-12

Prerequisites: Instructor Approval

Graduation Req: Fine Arts

The Advanced Placement Program in art is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical high school course and that the program is not for the casually interested. Graphic Design projects include a wide spectrum of media and methods. Students will complete an area of concentration with theme and media development. Students will also complete an area of breadth demonstrating a variety of skills, ideas, and media. Students will complete an AP Portfolio in 2D Design.

AP Studio Art/2D Design Photography

15478S1 & 15478S2

Credit: **\$40/Semester +
\$94 AP Exam**
1

Grade:
11-12

Prerequisites: Instructor Approval

Graduation Req: Fine Arts

The Advanced Placement Program in art is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical high school course and that the program is not for the casually interested. Photography projects include a wide spectrum of media and methods. Students will complete an area of concentration with theme and media development. Students will also complete an area of breadth demonstrating a variety of skills, ideas, and media. Students will complete an AP Portfolio in 2D design.

AP Studio Art/3D Design Ceramics

15479S1 & 15479S2

Credit: **\$40/Semester +
\$94 AP Exam**
1

Grade:
11-12

Prerequisites: Instructor Approval

Graduation Req: Fine Arts

The Advanced Placement Program in art is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical high school course and that the program is not for the casually interested. Ceramics projects include a wide spectrum of media and methods. Students will complete an area of concentration with theme and media development. Students will also complete an area of breadth demonstrating a variety of skills, ideas, and media. Students will complete an AP Portfolio in 3D design.

AP Studio Art/3D Design Jewelry

15480S1 & 15480S2

Credit: **\$40/Semester +
\$94 AP Exam**
1

Grade:
11-12

Prerequisites: Instructor Approval

Graduation Req: Fine Arts

The Advanced Placement Program in art is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical high school course and that the program is not for the casually interested. Jewelry projects include a wide spectrum of media and methods. Students will complete an area of concentration with theme and media development. Students will also complete an area of breadth demonstrating a variety of skills, ideas, and media. Students may choose to complete an AP Portfolio in 3D Design.

AP Studio Art/3D Design Sculpture

15481S1 & 15481S2

Credit: **\$40/Semester +
\$94 AP Exam**
1

Grade:
11-12

Prerequisites: Instructor Approval

Graduation Req: Fine Arts

The Advanced Placement Program in art is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical high school course and that the program is not for the casually interested. Sculpture projects include a wide spectrum of media and methods. Students will complete an area of concentration with theme and media development. Students will also complete an area of breadth demonstrating a variety of skills, ideas, and media. Students will complete an AP Portfolio in 3D Design.

Art Experience I

15400

Credit: **\$40/Semester**
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

This course is for students of all ability levels who are interested in a variety of art experiences and media.

Art Experience II

15410

Credit: **\$40/Semester**
0.5

Grade:
9-12

Prerequisites: Art Experience I

Graduation Req: Fine Arts

Art Experience II is a continued exploration of a variety of basic techniques and media introduced in Art Experience I.

Ceramics I

15425

Credit: **\$40/Semester**
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

Ceramics I is an introduction to design, glazes, basic hand building, and wheel throwing skills.

Ceramics II

15430

Credit: **\$40/Semester**
0.5

Grade:
9-12

Prerequisites: Ceramics I

Graduation Req: Fine Arts

This course is a continuation of Ceramics I with an emphasis on skill and technique, form and design.

Ceramics III

15435

Credit: **\$40/Semester**
0.5

Grade:
10-12

Prerequisites: Ceramics II

Graduation Req: Fine Arts

This course is a continuation of Ceramics II with an emphasis on advanced technique, form and design.

Ceramics IV 15440	Credit: \$40/Semester 0.5	Grade: 10-12
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Prerequisites: Ceramics III

Graduation Req: Fine Arts

Students will work on individual advanced projects with an emphasis on portfolio development.

Drawing & Painting I 15500	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: None

Graduation Req: Fine Arts

This course focuses on basic drawing techniques and an introduction to painting. Students will work with various drawing and painting media, focusing on the elements of art and principles of design.

Drawing & Painting II 15505	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: Drawing & Painting I

Graduation Req: Fine Arts

Students will focus on a more intense involvement in drawing and painting media, techniques, and artistic styles. Increased individual expression and artistic awareness will be encouraged.

Drawing & Painting III 15510	Credit: \$40/Semester 0.5	Grade: 10-12
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Prerequisites: Drawing & Painting II

Graduation Req: Fine Arts

This course allows the serious art student to further develop skills, ideas, personal philosophy and creativity in drawing and painting.

Drawing & Painting IV 15515	Credit: \$40/Semester 0.5	Grade: 10-12
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Prerequisites: Drawing & Painting III

Graduation Req: Fine Arts

Students will work on individual advanced projects with an emphasis on portfolio development.

Graphic Design I 15450	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: None

Graduation Req: Fine Arts

Graphic Design courses will introduce students to various tools, techniques, and concepts employed by the graphic artist. Students will learn design and layout while completing professional projects such as typeface, business identity, publication layout, packaging, digital illustration, and advertising.

Graphic Design II 15455	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: Graphic Design I

Graduation Req: Fine Arts

This course continues the creative and technical experiences introduced in Graphic Design I along with more advanced projects.

Graphic Design III 15460	Credit: \$40/Semester 0.5	Grade: 10-12
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Prerequisites: Graphic Design II

Graduation Req: Fine Arts

This course is designed for the serious art student, possibly considering art as a career. Students will develop and design professional graphic art projects while further developing computer competence.

Graphic Design IV 15465	Credit: \$40/Semester 0.5	Grade: 10-12
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Prerequisites: Graphic Design III

Graduation Req: Fine Arts

Students will work on individual advanced projects with an emphasis on portfolio development.

Jewelry I 15525	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: None

Graduation Req: Fine Arts

This course is an introduction to the construction of jewelry designs and metalsmithing involving a variety of basic techniques and materials.

Jewelry II 15530	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: Jewelry I

Graduation Req: Fine Arts

This course is designed to allow students a continued experience in jewelry making and metalsmithing. Conceptual design development and advanced jewelry techniques will be explored.

Photography I 15575	Credit: \$40/Semester 0.5	Grade: 9-12
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Prerequisites: None

Graduation Req: Fine Arts

This course is an introduction to photography as a fine art medium and develops skills necessary for basic camera, studio operation, and digital manipulation.

Photography II

15580

**Credit: \$40/Semester
0.5**

**Grade:
9-12**

Prerequisites: Photography I

Graduation Req: Fine Arts

Photography II is a further exploration of photographic elements with an emphasis on developing individual creativity and visual communication skills.

Photography III

15582

**Credit: \$40/Semester
0.5**

**Grade:
10-12**

Prerequisites: Photography II

Graduation Req: Fine Arts

This course requires the serious student to develop an in-depth exploration of complex photographic and digital techniques.

Photography IV

15585

**Credit: \$40/Semester
0.5**

**Grade:
10-12**

Prerequisites: Photography III

Graduation Req: Fine Arts

Students will work on individual advanced projects with an emphasis on portfolio development.

Sculpture I

15550

**Credit: \$40/Semester
0.5**

**Grade:
9-12**

Prerequisites: None

Graduation Req: Fine Arts

Sculpture I is designed to teach students additive and subtractive sculpture techniques.

Sculpture II

15555

**Credit: \$40/Semester
0.5**

**Grade:
9-12**

Prerequisites: Sculpture I

Graduation Req: Fine Arts

In this course, students will gain practical experience in traditional and experimental approaches to creating and constructing sculpture.

Sculpture III

15560

**Credit: \$40/Semester
0.5**

**Grade:
10-12**

Prerequisites: Sculpture II

Graduation Req: Fine Arts

This course is directed to the advanced sculpture student. Various techniques and mediums will be further explored. Students will work on advanced projects with an emphasis on developing an artistic style.

Industrial Technology Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Automotive Systems I	•	•	•	•
Automotive Technology I - ASE 101 - Shop Orientation		•	•	•
Automotive Technology I - ASE 122 - Auto Electrical Safety Systems		•	•	•
Automotive Technology I - ASE 250 - Auto Transmission/Transaxle		•	•	•
Automotive Technology II - ASE 103 - Auto Maintenance		•	•	•
Automotive Technology II - ASE 264 - Auto Heating & Air Conditioning		•	•	•
Automotive Technology III			•	•
Automotive Technology IV			•	•
Automotive Technology V				•
Automotive Technology VI				•
Basic Electronics	•	•	•	•
Basic Repair for Home & Apartment	•	•	•	•
Construction Tech	•	•	•	•
Electronics II	•	•	•	•
Woodworking I	•	•	•	•
Woodworking II	•	•	•	•
Woodworking III		•	•	•

Ponderosa High School is the only NATEF accredited automotive program to offer college credit through a partnership with Arapahoe Community College in Douglas County.

Automotive Systems I
45790

Credit: \$30/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Practical Arts

This course introduces students to the basics of vehicle ownership in both classroom and shop environments. Upon completion of the course, students will have an understanding of normal vehicle care and maintenance. Topics of study include basic tool usage, roadside safety, basic vehicle maintenance, and responsible vehicle ownership.

Automotive Technology I -ASE 101 -
Shop Orientation (CE) - Fall
69203

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
10-12

Prerequisites: Students must attend a program orientation meeting offered the spring prior to enrollment. Co-enrolled with ASE 122 - Auto Electrical Safety Systems and ASE 250 - Auto Transmission/Transaxle.

Graduation Req: Practical Arts

This course introduces students to the automotive industry in both classroom and shop environments. Upon completion of the course, students will have an understanding of practices and technologies required for entry level industry employment. Course topics include introductory vehicle systems, maintenance, basic automotive electricity, and general repair. This course is eligible for concurrent enrollment credit through Arapahoe Community College with a Maintenance & Light Repair certificate awarded to students that complete ASE 101, ASE 122 and ASE 250 courses. This fall semester course is double blocked and must be taken with the fall semester courses.

Automotive Technology I - ASE 122
- Auto Electrical Safety Systems
(CE) - Fall
69205

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
10-12

Prerequisites: Students must attend a program orientation meeting offered the spring prior to enrollment. Co-enrollment with ASE 101 - Shop Orientation and ASE 250 - Auto Transmission/Transaxle.

Graduation Req: Practical Arts

This course builds upon the concepts introduced in the fall semester course. Course topics include system specific vehicle maintenance and repair, including electrical, transmission, and climate control systems. This course is eligible for concurrent enrollment credit through Arapahoe Community College with a Maintenance & Light Repair certificate awarded to students that complete ASE 101, ASE 122 and ASE 250 courses. This fall semester course is double blocked and must be taken with the fall semester courses.

**Automotive Technology I - ASE
250 - Auto Transmission/
Transaxle (CE) - Fall
69206**

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
10-12

Prerequisites: Students must attend a program orientation meeting offered the spring prior to enrollment. Co-enrollment with ASE 101 - Shop Orientation and ASE 103 - Auto Maintenance.

Graduation Req: Practical Arts

This course builds upon the concepts introduced in the fall semester course. Course topics include system specific vehicle maintenance and repair, including electrical, transmission, and climate control systems. This course is eligible for concurrent enrollment credit through Arapahoe Community College with a Maintenance & Light Repair certificate awarded to students that complete ASE 101, ASE 122 and ASE 250 courses. This fall semester course is double blocked and must be taken with the fall semester courses.

**Automotive Technology II - ASE
103 - Auto Maintenance (CE) -
69204**

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
10-12

Prerequisites: Grade of 60% or higher ASE 101 - Shop Orientation, ASE 122 Auto Electrical Safety Systems and ASE 250 - Auto Transmission/Transaxle. Co-enrollment with ASE 264 Intro to Auto HVAC.

Graduation Req: Practical Arts

This course introduces students to the automotive industry in both classroom and shop environments. Upon completion of the course, students will have an understanding of practices and technologies required for entry level industry employment. Course topics include introductory vehicle systems, maintenance, basic automotive electricity, and general repair. This course is eligible for concurrent enrollment credit through Arapahoe Community College with a Maintenance & Light Repair certificate awarded to students that complete both ASE 101 and ASE 264 courses. This spring semester course is double blocked and must be taken with the spring semester courses.

**Automotive Technology II -ASE
264 - Intro to Auto HVAC (CE) -
Spring
69207**

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
10-12

Prerequisites: Grade of 60% or higher in ASE 101 - Shop Orientation, ASE 122 - Auto Electrical Safety Systems & ASE 250 - Auto Transmission/Transaxle. Co-enrollment with ASE 103 - Auto Maintenance.

Graduation Req: Practical Arts

This course builds upon the concepts introduced in the fall semester course. Course topics include system specific vehicle maintenance and repair, including electrical, transmission, and climate control systems. Upon completion of both Automotive Technologies I and II, students will be awarded a 7 credit Maintenance & Light Repair certificate through Arapahoe Community College. This spring semester course is double blocked and must be taken with the spring semester course.

Automotive Technology III

45780

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
11-12

Prerequisites: Automotive Technology II with a grade of 60% or higher

Graduation Req: Practical Arts

This course prepares students for taking the Automotive Service Excellence (ASE) student certification exams. Students study advanced theory, operation, & repair of the engine, brake, steering, and suspension systems. This fall semester course is double blocked and must be taken with spring semester course Automotive Technology IV.

Automotive Technology IV

45785

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
11-12

Prerequisites: Automotive Technology III with a grade of 60% or higher

Graduation Req: Practical Arts

Students taking Automotive Technology IV will take the Automotive Service Excellence (ASE) student certification exams. Students study advanced theory, operation, & repair of the engine, ignition, fuel delivery, and emissions control systems. Analysis of processor controlled powertrain management systems are emphasized. This spring semester course is double blocked and must be taken with fall semester course Automotive Technology III.

Automotive Technology V

45786

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
12

Prerequisites: Automotive Technology IV with a grade of 60% or higher

Graduation Req: Practical Arts

Automotive Technology V provides students with training in shop management practices including inventory controls, OSHA and EPA compliance, and the soft skills necessary to strong interpersonal skills. Race car design and engineering fundamentals are also introduced. Please note this is a semester long, double block schedule course meeting 5 times per week.

Automotive Technology VI

45787

Credit: \$80/Semester + Cost
1 of Workbook **Grade:**
12

Prerequisites: Automotive Technology V with a grade of 60% or higher

Graduation Req: Practical Arts

Students taking Automotive Technology VI learn the science of vehicle dynamics and work with the mechanisms necessary for the design, engineering, and building of ace race vehicles. Please note this is a semester long, double block schedule course meeting 5 times per week.

Basic Electronics**45625****Credit: \$40/Semester****0.5****Grade:****9-12****Prerequisites:** Successful completion of Algebra I or equivalent**Graduation Req:** Practical Arts

Upon the completion of this course the student will understand the fundamentals of analog and digital circuit components, analysis, and design. Students will learn the basic programming skills necessary to control electrical circuits with microcomputers and will explore physical computing. Ideal for students interested in robotics, engineering and computer science or for students that intend to work in the technical fields. Students must have completed Algebra I prior to taking this course.

Basic Repair for Home & Apartment**45415****Credit: \$45/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Practical Arts

The Basic Repairs For Home or Apartment class will provide students with the opportunity to learn essential skills to perform maintenance and repair tasks in a personal dwelling. In addition to general safety, curriculum will include the following non-code topics: pouring and finishing a small concrete pad, framing and finishing walls, basic wiring and electrical topics, mounting a toilet, changing a bath/kitchen fixture, changing door hardware, painting, and installing roofing.

Construction Tech**45405****Credit: \$45/Semester****0.5****Grade:****9-12****Prerequisites:** Basic Repair for Home & Apartment**Graduation Req:** Practical Arts

Students learn the fundamentals of safe tool use, construction materials, and scale drawing. These skills, along with carpentry techniques, are applied to the building of structures.

Electronics II**45630****Credit: \$40/Semester****0.5****Grade:****9-12****Prerequisites:** Successful completion of Basic Electronics**Graduation Req:** Practical Arts

Electronics II builds upon Basic Electronics I by developing additional analytic skills and applying them to advanced circuits. The intent of the course is to prepare students considering post-secondary engineering disciplines for success in circuit analysis and digital circuit courses. Topics include: Series parallel circuits and analysis, digital circuits, and using robotics to further explore physical computing and code. Students must pass basic electronics with a "c" or better.

Woodworking I

45400

Credit: \$40/Semester

0.5

Grade:

9-12

Prerequisites: None

Graduation Req: Practical Arts

This course serves as an introduction to woodworking methods, properties of wood and wood products, and a strong foundation for safe and effective use of woodworking tools and machinery. The areas covered in this course include wood finishing, lamination, wood identification, and safety. Projects include, but are not limited to, jewelry boxes, pen making, wall shelves, chess and cutting boards.

Woodworking II

45410

Credit: \$40/Semester

0.5

Grade:

9-12

Prerequisites: Woodworking I

Graduation Req: Practical Arts

This is an advanced level course for individuals who are interested in progressing their woodworking skills and core knowledge. Emphasis will be placed on joinery, individual design and construction of a variety of projects, such as laminates and small furniture construction. Projects may include, but are not limited to: segmented bowl making, outdoor/indoor furniture, advanced pen making, wall shelves and organizers.

Woodworking III

45411

Credit: \$40/Semester

0.5

Grade:

10-12

Prerequisites: Woodworking II

Graduation Req: Practical Arts

Woodworking III provides continuing instruction in woodworking with a blend of historic and modern technology skills. This course includes in-depth instruction of hand tools, power tools, custom made tools, advanced woodworking techniques, drafting and wood science. Students will be required to design and build a complex piece of furniture. In addition, students will be introduced to 21st century technology options that are and will be available in real-world situations.

Math Courses

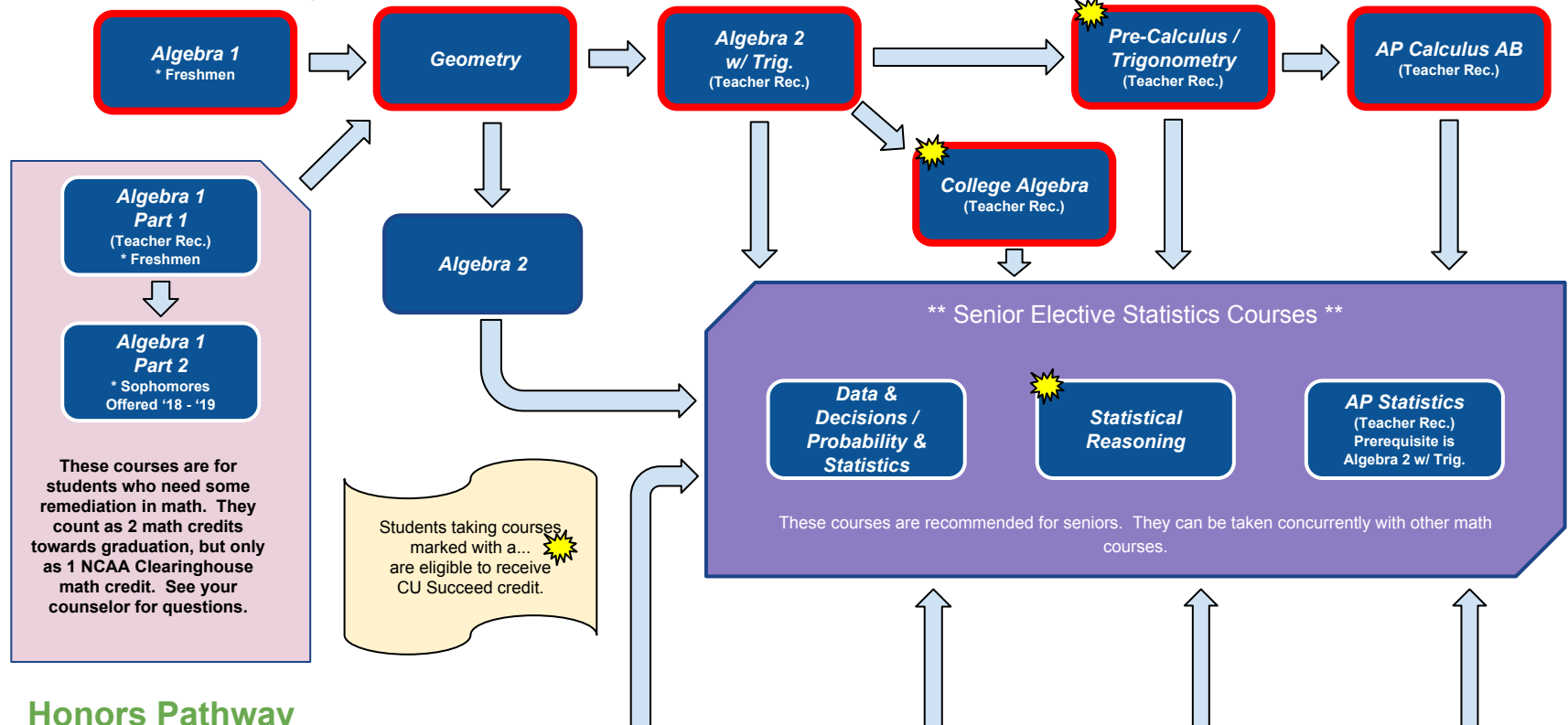
Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Algebra I	•			
Algebra I Honors	•			
Algebra I Part 1	•			
Algebra I Part 2		•		
Algebra II			•	•
Algebra II with Trigonometry		•	•	•
AP Calculus AB			•	•
AP Calculus BC			•	•
AP Statistics			•	•
Calculus III & Differential Equations				•
College Algebra			•	•
Data & Decisions				•
Geometry		•	•	•
Honors Algebra II with Trigonometry	•	•	•	•
Honors Geometry	•	•	•	
Honors Pre-Calculus & Calculus A		•	•	•
Pre-Calculus with Trigonometry		•	•	•
Probability & Statistics				•
Statistical Reasoning				•

Mathematics takes us into the region of absolute necessity, to which not only the actual word, but every possible word, must conform.

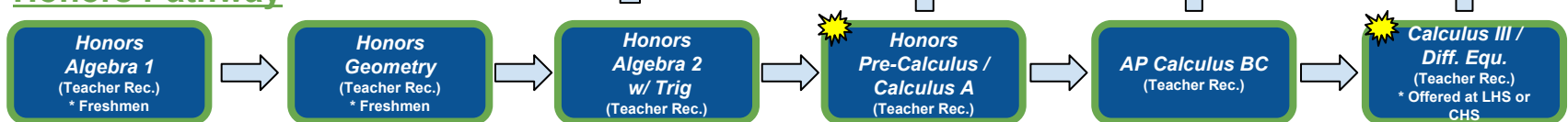
Bertrand Russell

Ponderosa High School MATH Pathways 2018-2019

Traditional Pathway



Honors Pathway



Students can move from one pathway to the other by teacher recommendation.

During the 11th and 12th grade years, several creative options become open to students based upon their long-term plans and goals. Please speak with your Math teacher or the Math Department Chair about your long term goals so they can provide appropriate guidance.

*Students who have successfully completed AP Calculus BC in their junior year are eligible to enroll in Calculus III / Differential Equations at either Chaparral or Legend High School. Please see your counselor for more information.

Algebra I **60400S1 & 60400S2**

Credit: TI-83/84 Graphing
1 **Calculator**

Grade:
9



Prerequisites: 8th Grade Math

Graduation Req: Math

Algebra I covers the following topics: operations with and use of variables; order of operations with real numbers; linear, exponential and quadratic relationships and inequalities; factoring; operations with polynomials; exponents and radicals; basic probability and statistics. Students in this course should master these skills, along with a variety of other mathematical skills, necessary to move into a Geometry course.

Algebra I Honors **60409S1 & 60409S2**

Credit: TI-83/84 Graphing
1 **Calculator**

Grade:
9



Prerequisites: Teacher recommendation

Graduation Req: Math

The Algebra I Honors course provides students who have successfully completed an introductory Algebra course, but would benefit from the challenge of a fast-moving and rigorous course that will prepare them for the high expectations of Honors Geometry, Honors Algebra II/Trig, and beyond. This student-centered honors class encourages collaboration and communication along with critical thinking and creative processing amongst peers. High level problem solving skills in predictable and unpredictable situations will be utilized to challenge students to obtain mastery of a broad Algebra curriculum. Honors Algebra I covers the following topics: operations with and use of variables; order of operations with real numbers; linear, exponential and quadratic relationships and inequalities; factoring; operations with polynomials; exponents and radicals; basic probability and statistics.

Algebra I - Part 1 **60380S1 & 60380S2**

Credit: TI-83/84 Graphing
1 **Calculator**

Grade:
9

Prerequisites: 8th grade mathematics and teacher recommendation (from middle school)

Graduation Req: Math

This course requires a two-year commitment from the student. **Completion of both Algebra I Part 1 and Algebra I Part 2 will count as one credit for CCHE and NCAA requirements.**

In this year-long course, students study the first half of Algebra I and are expected to complete the course by taking Algebra I Part II the following year. Students review basic computational skills and begin working with variables to simplify algebraic expressions and solve first degree equations. Students study real numbers, polynomials, and graphing. Organizational and study skills are emphasized.

Algebra I - Part 2 **60385 S1 & 60385 S2**

Credit: TI-83/84 Graphing
1 **Calculator**

Grade:
10



Prerequisites: Algebra I Part 1 and/or teacher recommendation

Graduation Req: Math

Successful completion of both Algebra I Part 1 and Part 2 will fulfill the Algebra I graduation requirement. In addition, **completion of both Algebra I Part 1 and Algebra I Part 2 will count as one credit for CCHE and NCAA requirements.**

In this year-long course, students study the second half of Algebra I, continuing work with variables, real numbers, first and second degree equations and inequalities, factoring, polynomials, radicals, and graphing.

Algebra II

60440S1 & 60440S2

Credit: TI-83/84 Graphing
1 Calculator

Grade:
11-12



Prerequisites: Geometry

Graduation Req: Math

Students study algebraic equations and functions. Other topics include linear inequalities, systems of equations, polynomials, factoring, rational expressions, radicals, and solving quadratic equations. Real world applications are included.

Algebra II with Trigonometry

60590S1 & 60590S2

Credit: TI-83/84 Graphing
1 Calculator

Grade:
10-12



Prerequisites: Geometry or Honors Geometry

Graduation Req: Math

This course expands and clarifies concepts introduced in Algebra I and Geometry. Topics include linear and quadratic functions and systems, exponential, logarithmic, rational, and piecewise functions. The course also includes three-dimensional systems, complex numbers, inverses, sequences, series, probability, and some numerical and analytical trigonometry. The students will explore many of these concepts using the graphing calculator.

AP Calculus AB

60625S1 & 60625S2

Credit: \$94 AP Exam, TI-83/84
1 Graphing Calculator, Textbook

Grade:
11-12



Prerequisites: Pre-Calculus with Trigonometry

Graduation Req: Math

Students study the topics listed in The College Board AP Calculus AB topic description outline. Major topics covered include differentiation, indefinite and definite integration, and problem solving involving calculus concepts. This course is the equivalent of one semester of a college calculus course and leads to the national AP exam in May.

AP Calculus BC

60650S1 & 60650S2

Credit: \$94 AP Exam, TI-83/84
1 Graphing Calculator, Textbook

Grade:
11-12



Prerequisites: Calculus A or AP Calculus AB

Graduation Req: Math

Students study the topics listed in The College Board AP Calculus BC topic description outline. Major topics covered include differentiation, indefinite and definite integration, problem solving involving calculus concepts, and sequence and series and their applications. This course is the equivalent of two semesters of college calculus and leads to the national AP exam in May.

AP Statistics

60801S1 & 60801S2

Credit: 1
\$94 AP Exam & TI-83/84 Graphing Calculator

Grade: 11-12



Prerequisites: Algebra II with Trigonometry, Pre-Calculus with Trigonometry, or AP Calculus AB

Graduation Req: Math

Students study the topics listed in The College Board AP Statistics topic description outline. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to broad conceptual themes such as: exploring data, sampling and experimentation design, anticipating patterns, and statistical inference. Students are expected to take the AP Exam for college credit.

Calculus III & Differential Equations

60660 & 60661

Credit: 1
Tuition if taken for college credit

Grade: 12



Prerequisites: AP Calculus BC or AP Calculus AB with teacher recommendation

Graduation Req: Math

Calculus III is a semester-long course that represents the continuation of the calculus sequence. It is a systematic approach to the understanding of multivariable calculus. Topics include: vectors and vector valued functions, functions of several variables, multiple integrals, and vector analysis. Differential Equations is a semester-long course that further represents the continuation of the calculus sequence. Differential equations are widely used as a tool for modeling diverse phenomena ranging from population growth to elementary particles. Topics include first order equations, linear equations with constant coefficients, higher order equations, Laplace transforms, and systems of equations and applications. This course is offered at either Chaparral or Legend High School, and students will need to make travel arrangements. (Students may be able to earn college through the CU Succeed Gold Program. See school counselor for details.)

College Algebra

60570S1 & 60570S2

Credit: 1
TI-83/84 Graphing Calculator

Grade: 11-12



Prerequisites: Algebra II with Trigonometry

Graduation Req: Math

Topics covered in this course for college bound students include, but are not limited to: domain, range and graphs of linear, quadratic, exponential, polynomial and rational functions and their inverses, geometric and arithmetic progressions, detailed analysis of conics, piecewise functions and binomial, remainder and rational roots theorems. This course may be available for CU Succeed credit with additional tuition pending approval.

Data and Decisions

60305

Credit: 0.5

Grade: 12



Prerequisites: Geometry

Graduation Req: Math

The purpose of this course is to explore the meaning of statistics encountered in everyday life. The emphasis will be on understanding and interpreting, rather than computing, through exploration of real-life situations that involve statistical concepts. This course is designed for Seniors.

Geometry **60475S1 & 60475S2**

Credit: **1** **TI-83/84 Graphing
Calculator**

Grade:
10-12



Prerequisites: Algebra I

Graduation Req: Math

This course is concerned with spatial relationships of two and three-dimensional figures. It is the study of mathematics by logical deduction, the construction of geometric figures, and applications to problem solving. Also included are topics from algebra, introduction to trigonometry and statistics.

Honors Algebra II with Trigonometry

60550S1 & 60550S2

Credit: **1** **TI-83/84 Graphing
Calculator**

Grade:
9-12



Prerequisites: Honors Geometry or teacher recommendation

Graduation Req: Math

This is a rigorous course for highly motivated students. It is a comprehensive study of functions, including linear functions, quadratic functions, exponential functions, logarithmic functions, rational and irrational algebraic functions, piecewise, periodic, and higher-degree functions. It also includes complex numbers, sequences, series, and probability. The students will explore concepts using a TI-83/84 graphing calculator.

Honors Geometry

60450S1 & 60450S2

Credit: **1** **TI-83/84 Graphing
Calculator**

Grade:
9-11



Prerequisites: Algebra I and teacher recommendation

Graduation Req: Math

This is an accelerated Geometry course for students who want a challenging, fast-paced math course that will prepare them for math classes on the honors track. In addition to the topics in Geometry, Geometry Honors emphasizes the proof of geometric and algebraic properties, the construction of geometric figures with a compass, solving problems algebraically using geometric properties, and emphasizes real-world applications to geometric concepts.

Honors Pre-Calculus & Calculus A

60753 & 60674

Credit: **1** **TI-83/84 Graphing
Calculator &
Textbook**

Grade:
10-12



Prerequisites: Honors Algebra II with Trigonometry

Graduation Req: Math

In the semester-long Honors Pre-Calculus class students continue the study of each function family and their applications to the real world using graphing calculators in this highly rigorous semester-long course in preparation for Calculus A the following semester. The study of trigonometry continues with graphing and analysis of trigonometric functions, identifying transformations, and practical applications of sinusoids. In the semester-long Calculus A, students begin studying the topics listed in The College Board AP Calculus AB topic description outline. Topics covered include limits, differentiation, indefinite and definite integration and problem solving involving calculus concepts. Students enrolling in this 2nd semester course must also enroll in Honors PreCalculus for 1st semester. **(College credit may be available through CU Succeed pending approval).**

**Pre-Calculus with
Trigonometry**
60611S1 & 60611S2

Credit: TI-83/84 Graphing
1 Calculator

Grade:
10-12



Prerequisites: Algebra II with Trigonometry

Graduation Req: Math

Topics covered in this course for college bound students include, but are not limited to: domain, range and graphs of polynomial, trigonometric, and rational functions and their inverses, geometric and arithmetic progressions, detailed analysis of conics, theorems (binomial, remainder and rational roots), piecewise functions. Trigonometric topics include: trigonometric and circular functions and graphs, right triangle trigonometry, laws of sine and cosine, trigonometric identities, complex numbers, and polar and parametric equations. This course may be available for CU Succeed credit with additional tuition.

Probability and Statistics
60775

Credit: TI-83/84 Graphing
0.5 Calculator

Grade:
12



Prerequisites: Geometry

Graduation Req: Math

Students will study topics in probability and statistics, including experimental design and presentation and interpretation of data.

Statistical Reasoning
60803S1 & 60803S2

Credit: TI-83/84 Graphing
1 Calculator

Grade:
12



Prerequisites: Algebra II/Trig or teacher recommendation

Graduation Req: Math

This course will use the relevant topics and data sets of sports and other real life situations to cover many introductory college-level statistics course topics, including designing studies, exploratory data analysis, regression, probability distributions, normal and binomial distributions, and hypothesis testing. The purpose of this course is to provide students with a class that introduces them to statistical reasoning in a context that is rich with examples likely to spark their interest. This course may be available for CU Succeed credit with additional tuition fees.

Performing Arts Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
AP Music Theory		•	•	•
Concert Band	•	•	•	•
Estrella Choir	•	•	•	•
Guitar I	•	•	•	•
Guitar II	•	•	•	•
Guitar III		•	•	•
Mass Media Video Production I	•	•	•	•
Men's Select Choir	•	•	•	•
Music Theory	•	•	•	•
Orchestra	•	•	•	•
Pegasus	•	•	•	•
Percussion Tech	•	•	•	•
Piano I	•	•	•	•
Piano II	•	•	•	•
Tech Theatre I	•	•	•	•
Tech Theatre II		•	•	•
Theatre I	•	•	•	•
Theatre II	•	•	•	•
Theatre III		•	•	•
Theatre Production Ensemble			•	•
Wind Ensemble	•	•	•	•
Women's Select Choir	•	•	•	•

AP Music Theory
70659S1 & 70659S2

Credit: AP Exam \$94 and
1 Book **Grade:**
10-12

Prerequisites: Music Theory or Instructor Approval

Graduation Req: Fine Arts

The AP Music Theory course is designed for students who are passionate about music, and who participate in formal music instruction, such as choir, orchestra, band, or private music lessons. The class is equivalent to one year of college level music theory. This music theory course develops a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a piece of music. AP Music Theory will foster fluency in sight-reading, listening, analyzing, discussing and describing, and composing music. Building on this foundation, this course will progress to include more creative tasks, such as harmonizing a melody, composing and analyzing two-voice and four-voice counterpoint, and realizing figured-bass notation.

Concert Band
70355S1 & 70355S2

Credit: Performance Attire, \$100
1 Instrument Rental (if **Grade:**
needed) **9-12**

Prerequisites: None

Graduation Req: Fine Arts

Concert Band students will be actively involved in the development of overall musicianship and technique. This class is specifically designed to allow students to develop their skills, and students will study all types of music. This band is a performance-based class and all performances are required.

Estrella Choir
70595S1 & 70595S2

Credit: Performance Attire **Grade:**
1 **9-12**

Prerequisites: Incoming 9th graders may audition for this group but must have instructor's approval

Graduation Req: Fine Arts

Estrella is a group composed of the finest female voices at Ponderosa. Membership is based on advanced voice quality, sight reading ability, range, tonal memory, and musicianship. Estrella performs at various concerts, festivals, contests, and community group events. Rehearsals and performance schedules require significant extracurricular commitment.

Guitar I
70487

Credit: Guitar & \$16 **Grade:**
0.5 Workbook **9-12**

Prerequisites: None

Graduation Req: Fine Arts

This course is designed for the student with little or no guitar experience. Basic guitar skills including reading music, chords, and tablature will be taught. This course will introduce various guitar styles such as folk, classical, blues and rock. Students must provide their own acoustic guitar. Electric guitars will not be used in this class.

Guitar II

70488

Credit: Guitar & \$16
0.5 Workbook

Grade:
9-12

Prerequisites: Successful completion of Guitar 1 with a "C" or higher, or instructor permission

Graduation Req: Fine Arts

Guitar II is for the intermediate to advanced seeking the opportunity to perform in front of an audience. Introductory lead guitar technique will be a focus in this course as well as ensemble work. You must be comfortable performing individually and in groups. You must have basic knowledge of guitar theory, rhythm techniques, and know the basic major and minor scales.

Guitar III

70489

Credit: Guitar & \$16
0.5 Workbook

Grade:
10-12

Prerequisites: Guitar II

Graduation Req: Fine Arts

Guitar III is the 3rd semester of our Guitar pathway in Performing Arts; Students will explore advanced techniques in guitar and may be provided opportunities to demonstrate their skills in the community and through concert performances.

Mass Media Video

Production I

70740

Credit: \$35/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

This course is designed to acquaint students with key aspects of video and film production. The emphasis is on storytelling, production techniques, and editing with authentic media projects.

Men's Select Choir

70565S1 & 70565S2

Credit: Performance Attire
1

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

This men's choir, which accepts all male singers of any age with an enthusiasm for singing, will perform at school and for community groups. Music of all styles will be performed. Rehearsals and performance schedules require some extracurricular commitment.

Music Theory

70660

Credit: \$35 Workbook
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

This class is meant for anyone wishing to develop a deeper understanding of the mechanics of music. Through the exploration of song-writing and simple composition, the students will study the fundamentals of music such as rhythm, melody, harmony, form, structure, and instrumentation.

Orchestra

70460S1 & 70460S2

Credit:
1

Performance Attire, \$100
Instrument Rental (if
needed)

Grade:
9-12

Prerequisites: Permission of instructor

Graduation Req: Fine Arts

Orchestra is for Violin, Viola, Cello, and String Bass musicians, experienced and inexperienced who wish to study and perform in the area of Orchestral music. This course is open to all grade levels. Students will study proper techniques for quality sound production on their instrument as well as music from all major style periods. Select string instruments are available for rent. Students will perform in several required concerts per year. Out of school performances will be required.

Pegasus

70551S1 & 70551S2

Credit:
1

Performance Attire

Grade:
9-12

Prerequisites: Audition and teacher approval *incoming 9th graders will be allowed to audition but must have instructor's approval

Graduation Req: Fine Arts

This mixed choir is composed of advanced choir students selected through auditions based upon voice quality and development, interest in performance at an advanced level, and musicianship. Pegasus performs classical, jazz and show choir music at various concerts, festivals, contests and community group events throughout the state and nation. Rehearsal and performance schedules require extracurricular commitment.

Percussion Tech

70400S1 & 70400S2

Credit:
1

\$120 + Performance
Attire

Grade:
9-12

Prerequisites: Contact teacher for more information

Graduation Req: Fine Arts

Percussion Techniques is a yearlong course addressing in-depth percussion methods and techniques using all available percussion instruments. Participation in all performances is required.

Piano I

70485

Credit: \$25 workbook
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

This course is designed as a beginning piano class. This one semester class includes individual and class instruction. Adequate time is allotted during class for practice. Emphasis is on correct piano technique, basic music notation, and development of repertoire. Students should have little or no previous piano background.

Piano II
70486

Credit: \$25 workbook
0.5

Grade:
9-12

Prerequisites: Successful completion of Piano I and/or permission of instructor

Graduation Req: Fine Arts

This course is intended for students already capable of note playing and chord playing. Students will build upon basic knowledge learned in Piano I or private lessons by exploring specific keyboard styles and techniques, more advanced structures, and small group playing. Admittance into this class is dependent on instructor approval.

Tech Theatre I
70780

Credit: \$30/Semester
0.5

Grade:
9-12

Prerequisites: Permission of instructor

Graduation Req: Fine Arts or Practical Arts

This semester-long course offers students the opportunity to participate in phases of stagecraft activities. Course work may include the following: scenery construction, stage lighting, make-up, sound, publicity, design, theatre organization management, and maintenance.

Tech Theatre II -Fall
70795

Credit: \$30/Semester
0.5

Grade:
10-12

Prerequisites: Successful completion of Tech Theatre I

Graduation Req: Fine Arts or Practical Arts

This is a course designed for the serious technical theatre student. Advanced scene design, advanced lighting, sound, stagecraft, design, make-up, and costume techniques will be explored. Students will be expected to participate in after-school production and assume crew head responsibilities for Fall theatre productions.

Tech Theatre II - Spring
70810

Credit: \$30/Semester
0.5

Grade:
10-12

Prerequisites: Successful completion of Tech Theatre I

Graduation Req: Fine Arts or Practical Arts

This is a course designed for the serious technical theatre student. Advanced scene design, advanced lighting, sound, stagecraft, design, make-up, and costume techniques will be explored. Students will be expected to participate in after-school production and assume crew head responsibilities for Spring theatre productions.

Theatre I
70700

Credit: \$30/Semester
0.5

Grade:
9-12

Prerequisites: None

Graduation Req: Fine Arts

This semester-length course offers the opportunity for a variety of performance experiences, which may include the following: scene work, monologues, stage combat, improvisation, and pantomime. Major emphases of the class are on developing beginning acting skills and self esteem. It is suggested, but not required, the student take Theatre I in the fall and Theatre II in the spring.

Theatre II

70710

Credit: \$30/Semester

0.5

Grade:

9-12

Prerequisites: Theatre I

Graduation Req: Fine Arts

This course extends development of acting skills and self esteem. Course work may include the following: scene work, monologues, improvisation, play and character analysis, auditioning, musical theatre, and Shakespeare. Participation in play production is encouraged. It is suggested, but not required, that the student take Theatre I in the fall and Theatre II in the spring.

Theatre III

70720S1 & 70720S2

Credit: \$30/Semester

1

Grade:

10-12

Prerequisites: Successful completion of Theatre II & Audition

Graduation Req: Fine Arts

This course emphasizes the development of higher level acting skills. Course work may include: improvisation, play and character analysis, directing, theatre history, musical theatre, stage combat and advanced acting techniques. Participation in play production is encouraged.

Theatre Production

Ensemble

70755S1 & 70755S2

Credit: \$30/Semester

1

Grade:

11-12

Prerequisites: Successful completion of Theatre III (or permission of instructor) and audition

Graduation Req: Fine Arts

This audition-only course is for the advanced theatre student. Students will develop advanced production techniques. Play production is the core of this class. Students may be required to participate in the productions.

Wind Ensemble

70300S1 & 70300S2

Credit:

1

**Performance Attire, \$100
Instrument Rental (if
needed)**

Grade:

9-12

Prerequisites: Audition and permission of the instructor

Graduation Req: Fine Arts

The Wind Ensemble is dedicated to the study and performance of advanced wind ensemble literature. Participation in all performances is required.

Women's Select Choir

70560S1 & 70560S2

Credit: Performance Attire

1

Grade:

9-12

Prerequisites: none

Graduation Req: Fine Arts

This women's choir, which accepts all female singers of any age with an enthusiasm for singing, will perform at school and for community groups. Music of all styles will be performed. Rehearsals and performance schedules require some extracurricular commitment.

Physical Education Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Advanced Dance	•	•	•	•
Advanced Team Sports			•	•
Athletic Training I	•	•	•	•
Athletic Training II	•	•	•	•
Beginning Dance	•	•	•	•
Individual Sports	•	•	•	•
Power Weights		•	•	•
Shape Up	•	•	•	•
Sport Training	•	•	•	•
Strength & Conditioning	•	•	•	•
Team Sports	•	•		

“Exercise and recreation are as necessary as reading. I will rather say more necessary, because health is worth more than learning.”

Thomas Jefferson

Advanced Dance**75460****Credit: \$20/Semester****0.5****Grade:****9-12****Prerequisites:** Beginning Dance or Teacher Approval**Graduation Req:** Physical Education

This course is designed for students who have a strong studio dance background. Dance units include jazz, lyrical and funk. Students will learn more advanced elements and combinations, choreographed dance patterns and will lead warm-ups, teach dances and choreograph their own dances. This course may be taken more than once for elective credit.

Advanced Team Sports -**Fall****75480****Credit:****0.5****Grade:****11-12****Prerequisites:** None**Graduation Req:** Physical Education

This course will offer a variety of sports as well as lifetime skills. The components of fitness (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition) will be implemented daily. This course may be taken more than once for elective credit.

Advanced Team Sports -**Spring****75480XX****Credit:****0.5****Grade:****11-12****Prerequisites:** None**Graduation Req:** Physical Education

This course will offer a variety of sports as well as lifetime skills. The components of fitness (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition) will be implemented daily. This course may be taken more than once for elective credit.

Athletic Training I**75330****Credit: \$30/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This course is designed for students interested in athletic training, accident prevention, injury evaluation, first aid care and CPR.

Athletic Training II**75340****Credit: \$30/Semester****0.5****Grade:****9-12****Prerequisites:** Successful completion of Athletic Training I, instructor approval**Graduation Req:** Physical Education

This course builds on the concepts learned in Athletic Training I. Students will develop advanced techniques of athletic training and gain further knowledge of how to recognize and treat athletic injuries.

Beginning Dance**75453****Credit: \$20/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This course is designed to introduce students to various dance forms. Dance units primarily include jazz, lyrical and funk. Students will be required to learn basic dance elements and choreographed dance patterns. This course may be taken more than once for elective credit.

Individual Sports - Fall**75313****Credit:****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This course is for all ability levels who are interested in a variety of lifetime sports and the continued involvement in lifetime fitness. This course may be taken more than once for elective credit.

Individual Sports - Spring**75310XX****Credit:****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This course is for all ability levels who are interested in a variety of lifetime sports and the continued involvement in lifetime fitness. This course may be taken more than once for elective credit.

Power Weights - Fall**75376****Credit: \$50/Semester****0.5****Grade:****10-12****Prerequisites:** Previous weight training experience**Graduation Req:** Physical Education

This is an advanced weight training class intended to prepare students for athletic competition. It is designed to help students who are in-season and out-of-season with sport specific training. This course may be taken more than once for elective credit.

Power Weights - Spring**75376XX****Credit: \$50/Semester****0.5****Grade:****10-12****Prerequisites:** Previous weight training experience**Graduation Req:** Physical Education

This is an advanced weight training class intended to prepare students for athletic competition. It is designed to help students who are in-season and out-of-season with sport specific training. This course may be taken more than once for elective credit.

Shape Up - Fall**75322****Credit: \$20/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This course is administered in a group exercise format. Students will learn various ways to exercise and improve overall fitness and health. Hi-low aerobics, hip hop aerobics, salsa aerobics, step aerobics, weight training, yoga, and tabata will be taught. Additionally, students will learn the components of fitness along with the principles of each and how lack of exercise and poor nutrition can affect their overall health. This course may be taken more than once for elective credit.

Shape Up - Spring**75322XX****Credit: \$20/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This course is administered in a group exercise format. Students will learn various ways to exercise to improve overall fitness and health. Hi-low aerobics, hip hop aerobics, salsa aerobics, step aerobics, weight training, yoga, and tabata will be taught. Additionally, students will learn the components of fitness along with the principles of each and how lack of exercise and poor nutrition can affect their overall health. This course may be taken more than once for elective credit.

Sport Training - Fall**75525****Credit: \$20/Semester****0.5****Grade:****9-12****Prerequisites:** Teacher Approval**Graduation Req:** Physical Education

Sports Training is an advanced weight lifting class for student athletes who wish to push themselves. It is much higher intensity than Strength and Conditioning. In the weight room it is expected that the student has a greater understanding of weight lifting techniques and therefore will be required to learn more complicated lifts. This class will meet four days per week from 6:45-7:40am. This course may be taken more than once for elective credit.

Strength & Conditioning -**Fall****75360****Credit: \$20/Semester****0.5****Grade:****9-12****Prerequisites:** None**Graduation Req:** Physical Education

This is a beginning weight training class which focuses on health related fitness development in the areas of flexibility, strength training, speed, agility, quickness and cardiovascular endurance. This course may be taken more than once for elective credit.

Strength & Conditioning - Spring

75360XX

Credit: \$20/Semester

0.5

Grade:

9-12

Prerequisites: None

Graduation Req: Physical Education

This is a beginning weight training class which focuses on health related fitness development in the areas of flexibility, strength training, speed, agility, quickness and cardiovascular endurance. This course may be taken more than once for elective credit.

Team Sports - Fall

75302

Credit:

0.5

Grade:

9-10

Prerequisites: None

Graduation Req: Physical Education

This course will offer a variety of sports as well as lifetime skills. The components of fitness (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition) will be implemented daily. This course may be taken more than once for elective credit.

Team Sports - Spring

75300XX

Credit:

0.5

Grade:

9-10

Prerequisites: None

Graduation Req: Physical Education

This course will offer a variety of sports as well as lifetime skills. The components of fitness (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition) will be implemented daily. This course may be taken more than once for elective credit.

Science Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
AP Biology			•	•
AP Chemistry			•	•
AP Environmental Science			•	•
AP Physics C			•	•
Aquatic Biology			•	•
Astronomy		•	•	•
Biology		•		
Biology Honors	•	•		
BIO 160 - Intro to Biotech (CE)		•	•	•
Chemistry		•	•	•
Earth, Space & Environmental Science	•			
Forensic Science			•	•
Foundations of Physics		•	•	•
Global Science			•	•
Honors Chemistry		•	•	•
Honors Earth, Space & Environmental Science	•			
Human Anatomy & Physiology			•	•
Physics			•	•
Zoology		•	•	•
Zoology II		•	•	•

Science is a way of thinking much more than it is a body of knowledge.

Carl Sagan

AP Biology

80365S1 & 80365S2

Credit: 1
\$10 lab fee, Goggles, Textbook & \$94 AP Exam

Grade: 11-12



Prerequisites: Chemistry

Graduation Req: Science

This course is designed to be the equivalent of a college freshman biology course. Concepts studied include biochemistry, cells, heredity, molecular genetics, evolutionary biology, biodiversity, and ecology. Laboratory activities are an important aspect of the course. Students will be expected to take the AP Biology exam.

AP Chemistry

80400S1 & 80400S2

Credit: 1
Goggles, Books & \$94 AP Exam

Grade: 11-12



Prerequisites: Successful completion of Chemistry

Graduation Req: Science

The course is designed to be equivalent to a freshman college level chemistry course both conceptually and in the laboratory and is very demanding in both time and effort required. Topics covered in this course include: types of matter, reaction types, equilibrium, kinetics and thermodynamics. Lab work is a large part of the class. The course will go into more detail of the basic principles of chemistry that were learned during general chemistry. The class will emphasize chemical calculations, mathematical formulation of chemical principles, stoichiometry, gases, bonding, kinetics, equilibrium, acids and bases, thermochemistry, electrochemistry, organic chemistry and nuclear chemistry. This course will also include advanced laboratory work which may require outside class time. Students are expected to take the AP Chemistry exam. Purchase of an AP Review book will also be recommended. Extensive outside class time will be necessary for successful completion in this class.

AP Environmental Science

80370S1 & 80370S2

Credit: 1
Goggles, \$94 AP Exam

Grade: 11-12



Prerequisites: Completion OR co-enrollment in Chemistry

Graduation Req: Science

This course is designed to be equivalent to a freshman college level environmental science course both conceptually and in the laboratory. This course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are expected to take the AP Environmental exam. Available for CU Succeed credit (4) with additional tuition fees.

AP Physics C

80655S1 & 80655S2

Credit: 1
Goggles, WebAssign \$10.50 & \$94 AP Exam

Grade: 11-12



Prerequisites: Chemistry and co-enrollment or completion of AP Calculus AB or higher

Graduation Req: Science

This course is designed to be equivalent to a freshman college level physics course both conceptually and in the laboratory and is very demanding in both time and effort required. It is highly recommended that students have a TI-83 (or newer) graphing calculator. Topics include the motion of particles, forces, work, energy, collisions, rotation, rolling, torque, angular momentum, gravitation, and oscillations. Calculus will be used extensively. Students are expected to take the AP Physics C Mechanics Exam.

Aquatic Biology

80475

Credit: \$10 lab & Goggles

0.5

Grade:

11-12



Prerequisites: Biology or teacher recommendation

Graduation Req: Science

Aquatic Biology is a course designed to acquaint students with the biology and ecology of freshwater and/or marine environments. The course is designed for the student who has a general interest in science. Students will study the ecological importance and interrelations of aquatic organisms. Laboratory investigations and dissections will be preformed.

Astronomy

80600

Credit: \$5 fee

0.5

Grade:

10-12



Prerequisites: Earth, Space and Environmental Science

Graduation Req: Science

This lab-based course includes the study of our place in the universe, motion of celestial objects, planets, moons, stars, galaxies, and cosmology. The study of our solar system draws upon the student's current knowledge of earth science (geology and weather) and chemistry. Much of the course includes problem solving, requiring a strong understanding of basic algebraic concepts.

Biology - 10th Grade

80350S1 & 80350S2

Credit: \$10 plus goggles

1

Grade:

10



Prerequisites: 9th Grade Science

Graduation Req: Science

Biology is a laboratory course. It is the study of living organisms, their life processes and their relationship with the environment. Students develop an understanding of the process of biology through science inquiry. Topics studied may include, but are not limited to: Nature of Science, Cell, Bioenergetics, Homeostasis, Biodiversity, Genetics and Evolution, and Ecology.

BIO 160 Intro to Biotech (CE)

69073S1 & 69073S2

**Credit: \$15/Semester +
\$10 workbook**

1

Grade:

10-12



Prerequisites: C or Better in Biology, C or better in 1 semester of Chemistry if concurrently enrolled in Chemistry, C or better in both semesters of Chemistry if already completed Chemistry. If missing one of the above must get special approval from the CCA Department Chair.

Graduation Req: Science

This advanced genetics course introduces students to modern biotechnology. Students gain hands-on laboratory experience as they gain knowledge in the rapidly expanding field of health care. Topics of study include, but are not limited to, DNA structure and replication, protein synthesis, protein structure and function, and gene expression and regulation. Other topics covered include genetic engineering and bacterial transformation, AgriBiotechnology, medical biotechnology, environmental biotechnology, nanobiotechnology, bioinformatics, DNA sequencing and bioinformatics, and gene silencing. To be in this class, students need to have strong reading and critical thinking skills, ability to make connections, ability to work independently, and strong test taking skills. *This course is available for 3 credit hours of college coursework through the Community College of Aurora.*

Biology Honors

80356S1 & 80356S2

Credit: \$10 plus goggles
1

Grade:
9 - 10



Prerequisites: Co-Enrollment in Honors Geometry or higher

Graduation Req: Science

This course is designed to prepare students for AP (Advanced Placement) science courses. Students will be expected to successfully investigate and perform higher cognitive demands tasks that maintain the complexity of the discipline. They must make a commitment to put forth the required effort to move from acquisition to application of knowledge at a faster pace, with greater depth, and increasing complexity. Honors Biology is a laboratory course. It is the study of living organisms, their life processes and their relationship with the environment. Students develop an understanding of the process of biology through science inquiry. Topics studied may include, but are not limited to: Nature of Science, Cell, Bioenergetics, homeostasis, Biodiversity, Genetics and Evolution, Ecology. Honors Biology and Biology will study the same topics, but the sequence may be different. It

Chemistry

80375S1 & 80375S2

Credit: Goggles
1

Grade:
10-12



Prerequisites: Grade of C or better in Algebra I, currently enrolled in math higher than Algebra I. Passed Biology.

Graduation Req: Science

Chemistry at Ponderosa is a rigorous course that prepares students for college level science. Chemistry covers the broad concepts upon which modern chemistry rests including the mathematics of science, atomic structure, naming and writing formulas, chemical reactions, stoichiometry, gas laws, periodicity, bonding, kinetics and equilibrium, solutions and concentrations, acids and bases, with possible enrichment in: redox, thermochemistry, nuclear chemistry, and organic chemistry/biochemistry. Laboratory work is an essential part of the course requiring extensive data analysis. Extensive time outside of class will be required to be successful in this course.

Earth, Space & Environmental Science - ESE 9th Grade

80325S1 & 80325S2

Credit: \$10 plus goggles
1

Grade:
9



Prerequisites: 8th Grade Science

Graduation Req: Science

In this High School Level course students will investigate essential learnings related to cycles, systems, and energy flow related to the topics: geology, weather, astronomy, natural resources, physics, and chemistry. The relationship between these earth systems and living systems will be explored so that students will be able to make informed decisions regarding the use and care of the resources the earth provides.

Forensic Science

80420

Credit: \$10 plus goggles
0.5

Grade:
11-12



Prerequisites: Co-enrolled or passing grade in Chemistry

Graduation Req: Science

In this upper level science elective, students will learn how forensic scientists process evidence and analyze their findings in the context of crime scene investigation. Topics include fingerprinting analysis, serology and blood analysis, human remains, hair and fiber analysis, toxicology, and questioned document analysis. This is a laboratory-based science class.

Foundations of Physics

80435S1 & 80435S2

Credit: Goggles

1

Grade:

10-12

Prerequisites: Successful completion of Algebra II with a B or higher. Recommendation from an Honors ESE, Honors Biology, or Honors Chemistry teacher.

Graduation Req: Science

Students will study methods of mathematically modeling the physical world in the areas of mechanics. In this lab-intensive course, students will utilize computers and digital sensors to collect and analyze data. *This course has been submitted to the NCAA for approval and a decision has not been made prior to course guide publication.*

Global Science

80624S1 & 80624S2

Credit: \$10 plus goggles

1

Grade:

11-12



Prerequisites: Biology

Graduation Req: Science

Global science is an integrated science course combining life, earth and physical science topics in a lab based and inquiry-driven environment enriched by basic chemistry and physics principles. Students will apply data collected in laboratory investigations to understand and interpret the scientific and social challenges of the future.

Honors Chemistry

80385S1 & 80385S2

Credit: Goggles

1

Grade:

10-12



Prerequisites: Successful completion of Honors Biology or teacher recommendation and successful completion or concurrent enrollment of Algebra II.

Graduation Req: Science

This course is designed to prepare students for AP (Advanced Placement) courses. Students will be expected to successfully investigate and perform higher cognitive demand tasks that maintain the complexity of the discipline. They must make the commitment to put forth the required effort to move from acquisition to application of knowledge at a faster pace, with greater depth, and increasing complexity. Honors Chemistry covers the broad concepts upon which modern chemistry rests, including the mathematics of science, atomic structure (periodicity, bonding) chemical nomenclature, chemical reactions, stoichiometry, gases, kinetics and equilibrium, acids and bases, Energy processes (electrochemistry, thermochemistry, nuclear chemistry). Laboratory work is an essential part of the course requiring extensive data analysis. Transfer at semester time to different levels of Chemistry will not be recommended due to gaps and overlaps in the curriculum. Extensive outside class time will be required to be successful in this course.

Honors Earth, Space & Environmental Science -

Honors ESE

80326S1 & 80326S2

Credit: \$10 plus goggles

1

Grade:

9



Prerequisites: Student must have an A in 8th Grade Science with 8th grade science teacher recommendation. Student should also be high achieving, and is not going into Honors Biology due to math requirement.

Graduation Req: Science

This course is designed to prepare students for AP (Advanced Placement) courses. Students will be expected to successfully investigate and perform higher cognitive demand tasks that maintain the complexity of the discipline. They must make the commitment to put forth the required effort to move from acquisition to application of knowledge at a faster pace, with greater depth, and increasing complexity. Honors Earth/Environmental Science is a course in which students will master concepts related to earth, atmosphere, and oceans. Important science ideas, such as cycles, systems, and energy flow will be applied to the study of topics including geology, weather, astronomy, and natural resources. The relationship between these earth systems and living systems will be explored so that students will be able to make informed decisions regarding the use and care of the resources the earth provides.

Human Anatomy & Physiology

80525

Credit: \$20 plus goggles

0.5

Grade:

11-12



Prerequisites: "C" or better in Biology/Honors Biology and Chemistry/Honors Chemistry or concurrent enrollment in Chemistry/Honors Chemistry

Graduation Req: Science

Anatomy and Physiology is an advanced course for students who are interested in exploring human body structures and functions in greater depth. Students will be expected to conduct numerous laboratory investigations as well as dissections. Human health and disease will be emphasized and explored through inquiry. The course is designed for the biology/health care related student. However, the non-biology major will benefit as well. A college level text is used to support the material.

Physics

80430S1 & 80430S2

Credit: \$10.50 WebAssign
plus goggles

1

Grade:

11-12



Prerequisites: Successful completion of Algebra II

Graduation Req: Science

In this lab-based course, students will study the structure and behavior of the physical world and how these ideas relate to human society. Students will study physical principles of dynamics, light, electricity, magnetism, and atomic structure. The emphasis of this course will be on understanding the mathematical relationships that characterize the behavior of the physical world.

Zoology

80500

Credit: \$10 plus goggles

0.5

Grade:

10-12



Prerequisites: Biology or Honors Biology

Graduation Req: Science

Zoology is an advanced course designed to present the student with representatives of all the major animal groups, their comparative anatomy, evolutionary origins, ecology, and behavior. Students will begin to consider the difficulties of wildlife management. It is primarily lab-oriented with dissections and two field trips. This course is a preparation for Zoology II.

Zoology II

80501

Credit: \$10 plus goggles

0.5

Grade:

10-12



Prerequisites: Successful completion of Zoology I

Graduation Req: Science

Zoology II will be a continuation of the study of representatives of all major animal groups integrating the anatomy, physiology, ecology, evolution and behavioral adaptations that enable them to survive effectively in their natural environment. Zoology II arching focus will be field research as it is applied to management, in addition, dissections and guest speakers in the field will be presented. This course is geared toward students seeking a future in scientific studies. Students will be required to meet at various Douglas County Open Spaces for class.

Social Studies Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
AP European History		•	•	•
AP Human Geography	•	•	•	•
AP Macroeconomics			•	•
AP Psychology			•	•
AP US Government		•	•	•
AP US History			•	•
Contemporary World Issues		•	•	•
International Economics			•	•
Modern European History		•	•	•
Psychology			•	•
Rise of Nation/State: England		•	•	•
Rise of Nation/State: Germany		•	•	•
Social Issues & Service Learning	•	•	•	•
Sociology		•	•	•
Sport Psychology & Performance		•	•	•
US Economics			•	•
US Government		•	•	•
US History Since 1945		•	•	•
US History to 1865		•	•	•
US History 1865-1945	•			
World Geography	•	•	•	•
World History		•	•	•
World History II		•	•	•

Live as if you were to die tomorrow. Learn as if you were to live forever.

Mahatma Gandhi

AP European History **85500S1 & 85500S2**

Credit: Textbook & \$94
1 AP Exam

Grade:
10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

AP European History is a college prep course that provides students with an academic experience equivalent to a college level freshman survey of western history. This course examines European history from the time of the Renaissance and Reformation up to the present day. Students successfully mastering the course material may earn college credit by passing the AP European history exam.

AP Human Geography **85905S1 & 85905S2**

Credit: Textbook & \$94
1 AP Exam

Grade:
9-12



Prerequisites: Grade of A in 8th grade social studies class, AND teacher recommendation.

Graduation Req: Social Studies

AP Human Geography is a college prep course that provides students with an academic experience equivalent to a college level freshman 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 the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

AP Macroeconomics **85631**

Credit: Textbook & \$94
.5 AP Exam

Grade:
11-12



Prerequisites: 10th Grade Social Studies

Graduation Req: Social Studies

The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students will gain a deeper understanding of their place in the US and world economy. This class will require approximately 3-4 hours a week of outside study and homework.

AP Psychology **85760S1 & 85760S2**

Credit: Textbook & \$94
1 AP Exam

Grade:
11-12



Prerequisites: 10th Grade Social Studies

Graduation Req: Social Studies

AP Psychology is a college prep course that provides students with an academic experience equivalent to a college level freshman course in psychology. The course introduces students to the systematic and scientific study of the 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 sub fields within psychology. They also learn about the methods psychologists use in their science and practice.

AP US Government

85720S1 & 85720S2

Credit: Textbook & \$94
1 AP Exam

Grade:
10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course provides students with an analytical perspective on government and politics in the United States. It involves the study of general concepts used to interpret U.S. institutions, groups beliefs and ideas that constitute U.S. politics. This is a college level course with potential for college credit, thus extensive college level reading and writing is required. Students will take the Advanced Placement Test at the end of the year.

AP US History

85625S1 & 85625S2

Credit: Textbook & \$94
1 AP Exam

Grade:
11-12



Prerequisites: 10th Grade Social Studies

Graduation Req: Social Studies

This survey of U.S. History is taught in chronological sequence and emphasizes social, political, and economic themes tested on the Advanced Placement United States History Exam. College level writing and study skills will be emphasized. Extensive college level reading is required.

Contemporary World Issues

85745

Credit:
0.5

Grade:
10-12

Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This upper level course will focus on the analysis and interpretation of contemporary world issues, while also building an understanding of the significance of historical factors that have lead to those issues. Students will examine current events through themes such as Power, Conflict, Justice, and Technology. Debate, research, discussion, critical thinking, and media analysis are all skills that will be applied during the course of the semester. Students will be required to stay current on world, national, and local issues of importance. **(This course is offered in 2018-2019 and not in 2019-2020).**

International Economics

85810

Credit:
0.5

Grade:
11-12



Prerequisites: 10th Grade Social Studies

Graduation Req: Social Studies

This course will investigate the world economic scene: the distribution of resources, production and consumption, the uneven economic development of national economies, and the major economic systems of the present world. Additionally, aspects of international trade including effects on nations, trade policies, international currency exchange, labor migration and foreign investment will be studied. Students will also learn the use of research materials and how to classify, interpret, and summarize information. A research paper may be required.

Modern European History **Credit:**
85375 **0.5**

Grade:
10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course will chronicle the history of Europe from 1500 to present and the impact that extremist ideologies and modern warfare have had on the continent. Special attention will be given to the political philosophies of Marxism-Leninism, Fascism, National Socialism, and parliamentary democracy. Special attention will also be given to reading skills and the methods used in historical research. **(This course is offered in 2018-2019 and not in 2019-2020).**

Psychology **Credit:**
85750 **0.5**

Grade:
11-12



Prerequisites: 10th Grade Social Studies

Graduation Req: Social Studies

The goals of psychology are to describe, understand, and predict individual human behavior. In this course, students will be introduced to the history and application of psychology research methods, sensation and perception, altered states of consciousness, sleep and dreaming, learning, development, theories of personality, and abnormal behavior. Students will also learn and demonstrate successful communication and group interaction skills.

Rise of Nation/State:
England

85410 **Credit:**
 0.5

Grade:
10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course traces the development of England and the political, economical, social and cultural factors that contributed to its development as a nation-state. This course will focus on English history and English institutions, such as parliament and constitutional government, which have had an impact on American history. **(Course to be offered in 2019-2020).**

Rise of Nation/State:
Germany

85420 **Credit:**
 0.5

Grade:
10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

"This course examines the development of the nation-state with special attention focused on Germany and the Three German Reichs. Curriculum includes the impact of language, culture, geography, economics, and government in nation building, and surveys the chronological emergence of the German States from the Fall of Rome to the Fall of the Berlin Wall. Students will apply research and reference skills for emphasis in the European Medieval period; the German High Renaissance/ Reformation; the Age of Bismarck Realpolitik; the World Wars; and up to the role played by Germany today in the New World Order. **(Course to be offered in 2019-2020).**

Social Issues & Service Learning

85775S1 & 85775S2

Credit:
1

Grade:
9-12

Prerequisites: None

Graduation Req: Social Studies

This year-long elective course within the social sciences curriculum will incorporate content from current courses including history, US Economics, International Economics, Psychology, Civics, Geography and Sociology. These topics will be presented to students in a project-based, service-oriented environment. Students will work individually and in teams to plan, implement and evaluate projects designed to positively impact our local, national, and global community, connecting the principles of social science to current issues.

Sociology

85770

Credit:
0.5

Grade:
10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course provides students with an overview and general understanding of sociology. Students will examine patterns of social behavior and interactions in society. Since these patterns are often found when groups interact, they will be a focus of study. Other possible topics include: social interactions, methods used by sociologists to study social patterns, the nature and impact of culture, the socialization of individuals in society, marriage and family, collective behavior in society, and the nature of social change.

Sport Psychology

85755

Credit:
0.5

Grade:
10-12

Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

Sports Psychology and Performance provides students with in-depth exposure to the world of sports and athletes by examining the psychology behind athletes, fans, corporations and the general population's interest in professional and amateur competition. Students will engage in classroom experiences including researching career pathways and degrees, usage of technology in sports performance, analysis of current sports related trends, exploration of current therapy used to help athletes obtain their goals, and interaction with psychology experts whose expertise is in sports and athletes. **(Course to be offered in 2019-2020).**

US Economics

85800

Credit:
0.5

Grade:
11-12



Prerequisites: 10th Grade Social Studies

Graduation Req: Social Studies

This course will focus on the economic principles and concepts that enable students to gain a greater economic understanding of current events and issues in the U.S. and around the world. Economic reasoning skills will be emphasized. We will look at the political and economic philosophies that have helped to shape our current systems as well as examine personal financial responsibility.

US Government

85700

Credit:

0.5

Grade:

10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

Students will study why there is government, types of governments, the U.S. Constitution, the three branches of government (legislative, executive and judicial) and the concept of separation of powers. Students will also study the function and structure of the court system, political parties, and the role of a citizen in a government. Current events will be emphasized as they apply to the study of U.S. Government. Instruction will also focus on essay writing. Students will learn and apply research and reference skills and will be required to complete a research project.

US History Since 1945

85575

Credit:

0.5

Grade:

10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course will trace major events, which have occurred since World War II with emphasis on the political events and personalities involved. Topics covered in the course include: the Cold War, the civil rights movement, Korean and Vietnam Wars, Watergate, and contemporary issues. Students will apply research reference skills and may be required to write a research paper.

US History to 1865

85525

Credit:

0.5

Grade:

10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course includes political, economic, social, and military history from Colonial America to 1865.

US History 1865 to 1945

85550

Credit:

0.5

Grade:

9



Prerequisites: 8th Grade Social Studies

Graduation Req: Social Studies

The content of this course includes topics in U.S. History since 1865. Topics covered are reconstruction, industrialism, immigration, the emergence of big business, the labor movement, Progressive Era reforms, World War I, the Twenties, the Great Depression, the New Deal and U.S. involvement in WWII. Research and study skills will be taught and applied in this class.

World Geography

85835

Credit:

0.5

Grade:

9-12



Prerequisites: 8th Grade Social Studies

Graduation Req: Social Studies

In this course students will examine the world's regions and explore the many facets of geography. The region's economy, geography, history, and culture will be studied, as well as issues affecting the area and its relationship with the rest of the world. By studying current domestic and world issues, students will understand the numerous dimensions of a multicultural and interconnected world.

World History

85302

Credit:

0.5

Grade:

10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course is designed to build a foundation for understanding human history across different cultures and civilizations. The course will provide an opportunity for students to study political, economic and social problems of different historical periods.

World History II

85301

Credit:

0.5

Grade:

10-12



Prerequisites: 9th Grade Social Studies

Graduation Req: Social Studies

This course will trace the development of Western civilization from the Crusades to the Age of Exploration and Discovery. Topics covered in the course include the Medieval Period, the Renaissance, and the Reformation. Special attention will be given to reading skills and the methods used in historical research. **(This course is offered in 2018-2019 and not in 2019-2020).**

World Languages Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
AP French Language			•	•
AP Spanish Language			•	•
French I	•	•	•	•
French II	•	•	•	•
French III	•	•	•	•
French IV		•	•	•
Spanish I	•	•	•	•
Spanish II	•	•	•	•
Spanish III	•	•	•	•
Spanish IV		•	•	•

The limits of my language are the limits of my world.

Ludwig Wittgenstein

AP French Language
95440S1 & 95440S2

Credit: \$110 textbook &
1 \$94 AP Exam

Grade:
11-12



Prerequisites: Successful completion of French IV

Graduation Req: Practical Arts or Fine Arts

Advanced Placement World Language classes offer the students a weighted credit. Students continue building their fluency in the language through Interpersonal, Interpretive, and Presentational Modes as required on the AP exam. Classes are conducted mainly in French and students are expected to take the AP French exam.

AP Spanish Language
95640S1 & 95640S2

Credit: \$150 fees & \$94
1 AP Exam

Grade:
11-12



Prerequisites: Successful completion of Spanish IV

Graduation Req: Practical Arts or Fine Arts

Advanced Placement World Language classes offer the students a weighted credit. Students continue building their fluency in the language through Interpersonal, Interpretive, and Presentational Modes as required on the AP exam. Classes are conducted mainly in Spanish and students are expected to take the AP Spanish exam. Available for CU Succeed credit with additional tuition fees paid to University of Colorado Denver.

French I
95400S1 & 95400S2

Credit: \$50
1

Grade:
9-12



Prerequisites: None

Graduation Req: Elective

Students in French I will learn vocabulary and grammar to use in Interpretive, Interpersonal, and Presentational Modes. Successful completion of this course will provide students with a solid knowledge base in order to continue to intermediate and advanced language levels. The workbooks purchased in French I will be also used for the first semester of French II.

French II
95410S1 & 95410S2

Credit: \$50 + previous
1 years workbook

Grade:
9-12



Prerequisites: Successful completion of French 1A & 1B (2 years of middle school) or French 1 (year-long class)

Graduation Req: Elective

This course will build vocabulary and grammar comprehension and use through the Interpretive, Interpersonal, and Presentational Modes. Students will continue to build upon their language skills in order to continue to intermediate and advanced language levels. If students have lost or have not purchased the previous year's French I workbooks, there will be a replacement fee of \$50 to provide students with these materials.

French III **95420S1 & 95420S2**

Credit: \$50 + previous
1 years workbook

Grade:
9-12



Prerequisites: Successful completion of French II

Graduation Req: Fine Arts or Practical Arts

This course will build vocabulary and grammar comprehension and use through the Interpretive, Interpersonal, and Presentational Modes. Students will continue to expand upon foundational language skills in order to continue to intermediate and advanced language levels. If students have lost or have not purchased the previous year's French II workbooks, there will be an replacement fee of \$50 to provide students with these materials.

French IV **95435S1 & 95435S2**

Credit:
1

Grade:
10-12



Prerequisites: Successful completion of French III

Graduation Req: Fine Arts or Practical Arts

French IV will continue to build vocabulary and grammar comprehension and use through the Interpretive, Interpersonal, and Presentational Modes. The class will be conducted mainly in French.

Spanish I **95600S1 & 95600S2**

Credit: \$50 workbooks, cost
1 of novels

Grade:
9-12



Prerequisites: None

Graduation Req: Elective

Students in Spanish I will learn vocabulary and grammar to use in Interpretive, Interpersonal, and Presentational Modes. Successful completion of this course will provide students with a solid knowledge base in order to continue to intermediate and advanced language levels. The workbooks purchased in Spanish I will also be used for the first semester of Spanish II.

Spanish II **95610S1 & 95610S2**

Credit: \$50 workbooks,
1 novels & previous
year's workbook

Grade:
9-12



Prerequisites: Successful completion of Spanish 1A & 1B (2 years at middle school) or Spanish 1 (year-long course)

Graduation Req: Elective

This course will build vocabulary and grammar comprehension and use through the Interpretive, Interpersonal, and Presentational Modes. Students will continue to expand their foundational language skills to progress to intermediate and advanced levels of Spanish. If students have lost or have not purchased the previous year's Spanish I workbooks, there will be an additional fee of \$36 to provide students with these materials. Students will receive Spanish II workbooks during second semester and will continue to use them in Spanish III.

Spanish III
95620S1 & 95620S2

Credit: \$7 workbook +
1 previous years
workbook

Grade:
9-12



Prerequisites: Successful completion of Spanish II

Graduation Req: Fine Arts or Practical Arts

This course will build vocabulary and grammar comprehension and use through the Interpretive, Interpersonal, and Presentational Modes. Students will expand their language skills in order to progress to advanced Spanish classes. If students have lost or have not purchased the previous year's Spanish II workbooks, there will be a replacement fee of \$36 to provide students with these materials.

Spanish IV
95631S1 & 95631S2

Credit: \$150 online text and
1 website license

Grade:
10-12



Prerequisites: Successful completion of Spanish III

Graduation Req: Fine Arts or Practical Arts

Students continue building their fluency in the language through Interpersonal, Interpretive, and Presentational Modes. Classes are conducted mainly in Spanish. Available for CU Succeed credit with additional tuition fees.

Additional Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Broadcast Media	•	•	•	•
Freshmen Transition	•			
Newspaper	•	•	•	•
Office Aide		•	•	•
Peer Internship	•	•	•	•
Student Government	•	•	•	•
Yearbook	•	•	•	•

Broadcast Media
50780S1 & 50780S2

Credit:
1 \$30/Semester

Grade:
9-12

Prerequisites: Completed application

Graduation Req: Elective

This year-long course demands a high level of creative ability and rigorous analytical skills. The focus of the course is two-fold: 1) the intensive study of television and film production techniques and 2) the hands-on production of a daily television news show MustangTV broadcast to the school along with producing short-films/field reports for the broadcasts. Students will be responsible for learning in a variety of ways: the production of television broadcasts and segments and television segments or shows. You will learn and build on shooting, editing, lighting, and storytelling/broadcasting skills. You must complete the application and be approved by Ms. Kane to get into this course.

Application Form

Freshmen Transition
40550S1 & 40550S2

Credit:
n/a

Grade:
9

Prerequisites: None

Graduation Req: Elective

This class is designed to provide incoming freshman students the tools to achieve success at Ponderosa High School. Students will learn skills in self advocacy and time management. Students will also take part in activities to promote a positive culture and climate at Ponderosa. All freshmen are automatically enrolled in this course.

Newspaper
50413S1 & 50413S2

Credit:
1

Grade:
9-12

Prerequisites: Students must have a GPA of 3.0 or above, a minimum grade of B in their prior year's English course, prior year's English teacher approval, and complete the application/interview.

Graduation Req: Elective

During this year-long course, students will plan, write, layout, and produce the high school newspaper, The Mustang Express. Students will practice and learn journalistic skills such as interviewing, writing, revising, editing, layout and design, and photography. Students will be expected to sell and design advertising, as well as compose captions, headlines, and stories. This course requires students to be available outside of normal school hours.

Application Form: Print and turn in to Sean Pfeiffer

Office Aide
48855

Credit:
0.25

Grade:
10-12

Prerequisites: Application process & supervisor approval.

Graduation Req: Elective

Students may float between the Main Office and Counseling Office assisting in a variety of tasks which may include answering the main phone lines, organizing information, typing documents, or delivering student passes. **This course may not be registered for on-line.**

Peer Internship

40420

Credit:

0.5

Grade:

9-12

Prerequisites: Application & instructor approval

Graduation Req: Elective

This internship is designed for students who are interested in assisting students with disabilities to succeed in a regular or special education classroom. Interns will serve as peer tutors and/or teacher assistants.

[Application Form: Print & turn in to Allison Fabrizio](#)

Student Government

35450S1 & 35450S2

Credit: \$30/year

1

Grade:

9-12

Prerequisites: Application submitted by deadline

Graduation Req: Elective

This year-long leadership course is designed to allow students the opportunity to make a difference and be a leader in their school and community. Students will explore concepts of leadership, promote school spirit, participate in community service, and foster philanthropy. Homecoming, dances, pep rallies, and charity events comprise the bulk of the projects for the year. Team-work, reflection, and accountability are an integral part of this class. Student Government officers and representatives are required to take this class. Students must participate in a variety of different leadership tasks and school activities throughout the year to attain credit. Students must apply and be accepted based on the application process the year prior to enrollment. Advisor discretion can be used with students who transfer into the class. Students will be responsible for purchasing materials.

[Application Form: Print and turn in to Amanda Villari or Tyler Fields](#)

Yearbook

50420S1 & 50420S2

Credit:

1

Grade:

9-12

Prerequisites: Students must have a GPA of 3.0 or above, and an A or B in their prior year's English course, prior year's English teacher approval, application/interview.

Graduation Req: Elective

During this year long course, students will plan, write, layout, and produce the school yearbook. Students will practice and learn journalism skills such as interviewing, writing, revising, editing, layout and design, and photography. Students will be expected to sell and design advertising, as well as compose captions, headlines, and stories. This course requires students to be available outside of normal school hours. Current 8th graders interested in Yearbook class, must make themselves available to interview in the Spring for a staff position.

[Application Form: Print and turn in to Patty Hayes](#)

Special Education Courses

Course Title	9th Grade	10th Grade	11th Grade	12th Grade
Career Strategies			•	•
Essential Learning Strategies	•	•		
Independent Living Skills	•	•	•	•
Work Experience			•	•
English Strategies I	•			
English Strategies II		•		
English Strategies III			•	
English Strategies IV				•
Life Skills English	•	•	•	•
Read/Write Strategies	•	•	•	•
Consumer Math Strategies			•	•
Life Skills Math	•	•	•	•
Math Strategies	•	•	•	•
Pre Algebra Strategies	•	•	•	•
Biology Strategies	•	•	•	•
Earth Science Strategies	•	•	•	•
Life Skills Science	•	•	•	•
Economic Strategies		•	•	•
Geography Strategies	•			
Government Strategies		•	•	•
Life Skills Social Studies	•	•	•	•
US History Strategies		•	•	•
World History Strategies	•			

Career Strategies

20170S1 & 20170S2

Credit:

1

Grade:

11-12

Prerequisites: Must be on an IEP

Graduation Req: Elective

This course is for students with an Individualized Education Plan requiring assistance in post-secondary planning. Topics of study will include, but are not limited to, exploring career/vocational opportunities, complete career interest inventories/surveys/profiles, use of Naviance for post-secondary planning, complete transition portfolios, create resumes, develop interview skills, and develop an understanding of job retention skills needed for employment. Students will have the opportunity to participate in field trips to vocational schools and job sites to expose them to viable career paths. Guest speakers representing various careers/occupations will present information to students. This course can be repeated for credit.

Essential Learning Strategies

20050S1 & 20050S2

Credit:

1

Grade:

9-10

Prerequisites: Must be on an IEP

Graduation Req: Elective

This course is for students with an Individualized Education Plan who require extra assistance in improving academic performance, decision making, problem solving, communication and organization. Topics of instruction may include note taking, organization tools, time management, test taking strategies, self-advocacy and understanding of IEP, as well as reading, writing and communication strategies. **This course can be repeated for credit. (This course is offered in 2018-2019 and may not be offered in 2019-2020).**

Independent Living Skills

20010S1 & 20010S2

Credit:

1

Grade:

9-12

Prerequisites: Must be on an IEP

Graduation Req: Social Studies or Science

This course is specifically designed for students with Significant Support Needs in Life Skills classes. Based on individual needs, students will work on basic life skills necessary for adult living and responsible citizenship including self-care, hygiene, safety in the home and community, kitchen skills, shopping and daily living skills. This class could satisfy graduation requirements for social studies and science. This course will be a combination of independent living skills and social skills.

Work Experience**20135S1 & 20135S2****Credit:****1****Grade:****11-12****Prerequisites:** Must be on an IEP**Graduation Req:** Elective

This course is specifically designed for students with an Individualized Education Plan (IEP) who are seeking or currently have a job. Students will gain valuable on-the-job experience, including securing employment, working with employers in the community, and learning how to be an outstanding employee. Students will work an average of 15 hours per week and may receive release time from school. Students who are gainfully employed can earn 0.5 elective credit for every 120 hours of documented work experience and positive employer evaluation. Students are responsible for their own transportation and job placement. Those seeking a job will have a two week period to find a job before being dropped from the class. This is an elective class and may be taken more than once for credit.

English Strategies I**20013S1 & 20013S2****Credit:****1****Grade:****9****Prerequisites:** Must be on an IEP**Graduation Req:** English

This course is designed for students with an Individualized Education Plan who require specialized instruction in ninth grade English standards. Emphasis will be placed on developing reading, writing, and communication skills as well as organizing and synthesizing information. The desired outcome is that students will be able to read and write meaningfully for a variety of purposes and audiences. Reading standards will emphasize strategies to increase vocabulary, fluency, comprehension and knowledge of literary elements. Writing standards will emphasize process, organization, content, spelling and conventions. Communication standards will emphasize gathering information as well as communicating for a variety of audiences.

English Strategies II**20034S1 & 20034S2****Credit:****1****Grade:****10****Prerequisites:** Must be on an IEP**Graduation Req:** English

This course is designed for students with an Individualized Education Plan who require specialized instruction in tenth grade English standards. Emphasis will be placed on developing reading, writing, and communication skills as well as organizing and synthesizing information. The desired outcome is that students will be able to read and write meaningfully for a variety of purposes and audiences. Reading standards will emphasize strategies to increase vocabulary, fluency, comprehension and knowledge of literary elements. Writing standards will emphasize process, organization, content, spelling and conventions. Communication standards will emphasize gathering information as well as communicating for a variety of audiences.

English Strategies III**20052S1 & 20052S2****Credit:****1****Grade:****11****Prerequisites:** Must be on an IEP**Graduation Req:** English

This course is designed for students with an Individualized Education Plan who require specialized instruction in eleventh grade English standards. Emphasis will be placed on developing reading, writing, and communication skills as well as organizing and synthesizing information. The desired outcome is that students will be able to read and write meaningfully for a variety of purposes and audiences. Reading standards will emphasize strategies to increase vocabulary, fluency, comprehension and knowledge of literary elements. Writing standards will emphasize process, organization, content, spelling and conventions. Communication standards will emphasize gathering information as well as communicating for a variety of audiences.

English Strategies IV**20162S1 & 20162S2****Credit:****1****Grade:****12****Prerequisites:** Must be on an IEP**Graduation Req:** English

This course is designed for students with an Individualized Education Plan who require specialized instruction in twelfth grade English standards. Emphasis will be placed on developing reading, writing, and communication skills as well as organizing and synthesizing information. The desired outcome is that students will be able to read and write meaningfully for a variety of purposes and audiences. Reading standards will emphasize strategies to increase vocabulary, fluency, comprehension and knowledge of literary elements. Writing standards will emphasize process, organization, content, spelling and conventions. Communication standards will emphasize gathering information as well as communicating for a variety of audiences.

Life Skills English**20008S1 & 20008S2****Credit:****1****Grade:****9-12****Prerequisites:** Must be on an IEP**Graduation Req:** English

This course is designed for freshman, sophomore, juniors and seniors with an Individual Education Plan who require intensive intervention in reading and writing. The focus will be on writing as it relates to the General Education curriculum, reading comprehension and vocabulary. This can be counted as an english credit or an elective credit.

Read/Write Strategies**40576S1 & 40576S2****Credit:****1****Grade:****9-12****Prerequisites:** Must be on an IEP**Graduation Req:** English

This two-semester course is required for students who have not shown reading proficiency through the State test or other measures. It is designed to increase students abilities to read and comprehend increasingly difficult material. Through specific instruction based on individual needs, students will be taught reading strategies to increase comprehension and motivation. Students will use writing as a tool to communicate responses and reactions to reading. Though at times whole group instruction will be necessary, the primary focus of the class is differentiated, individualized instruction determined by on-going assessment of student needs. Students who have not demonstrated reading proficiency will be enrolled in Reading/Writing Strategies for two semesters, although students who show proficiency at the end of one semester will be able to exit the class at that time.

Consumer Math Strategies	Credit:	Grade:
20105S1 & 20105S2	1	11-12

Prerequisites: Must be on an IEP

Graduation Req: Math

This course is designed for juniors and seniors with an Individualized Education Plan (IEP). Emphasis is placed on practical, consumer-oriented math skills in order to prepare students with the independent living skills necessary such as personal finance, housing, transportation cost, and monthly budgeting. This course can be repeated and taken for math or elective credit.

Life Skills Math	Credit:	Grade:
20005S1 & 20005S2	1	9-12

Prerequisites: Must be on an IEP

Graduation Req: Math

This course is designed for students with Significant Needs with an Individualized Education Plan. An emphasis will be placed on functional math skills such as basic time, money management, and cooking. All math standards have been modified and will be evaluated by extended evidence outcomes and IEP goals and objectives.

Math Strategies	Credit:	Grade:
20200S1 & 20200S2	1	9-12

Prerequisites: Must be on an IEP

Graduation Req: Math

This course is designed for students with an Individualized Plan. An emphasis will be placed on reviewing basic skills and teaching pre-algebra concepts. Math standards have been modified and students will be evaluated by IEP goals and objectives. Can be counted as a math credit or an elective credit and can be taken more than once.

Pre Algebra Strategies	Credit:	Grade:
20020S1 & 20020S2	1	9-12

Prerequisites: Must be on an IEP

Graduation Req: Math

This course is designed for students with an Individualized Education Plan (IEP) to prepare them for Algebra in the general curriculum. Students will review fractions, decimals, integers, order of operations, percentages, exponents, ratio and proportions, geometry and graphing in the coordinate plane. Students will begin working with variables to simplify algebraic expressions, inequalities/equalities and solve equations. Math standards have been modified and students will be evaluated by IEP goals and objectives.

Biology Strategies	Credit:	Grade:
20169S1 & 20169S2	1	9-12

Prerequisites: Must be on an IEP

Graduation Req: Science

This course is specifically designed for students with an Individualized Education Plan (IEP) with a modified curriculum and will cover basic biology concepts dealing with animals, plants, and cells. **(This course is offered in 2018-2019 and not in 2019-2020).**

Earth Science Strategies**20174S1 & 20174S2****Credit:****1****Grade:****9-12****Prerequisites:** Must be on an IEP**Graduation Req:** Science

This course is specifically designed for students with an Individualized Education Plan (IEP) with a modified curriculum covering basic concepts such as weather and climate, solar systems, earth's atmosphere, earth forces and its effects. **(Course to be offered in 2019-2020).**

Life Skills Science**20006S1 & 20006S2****Credit:****1****Grade:****9-12****Prerequisites:** Must be on an IEP**Graduation Req:** Science

This course is for students with Significant Needs with an Individualized Education Plan (IEP). Emphasis will be based on student's individual needs, vocational skills, hygiene, nutrition and health.

Economic Strategies**20036****Credit:****0.5****Grade:****10-12****Prerequisites:** Must be on an IEP**Graduation Req:** Social Studies

This course is specifically designed for students with an Individualized Education Plan (IEP) with a modified course providing students with the basic economic concepts of supply and demand, free enterprise, money and banking, cost-benefits, consumerism and the global economy. **(This course is offered in 2018-2019 and not in 2019-2020).**

Geography Strategies**20061****Credit:****0.5****Grade:****9****Prerequisites:** Must be on an IEP**Graduation Req:** Social Studies

This course is specifically designed for students with an Individualized Education Plan (IEP). Emphasis will be placed on geographical awareness, map reading and writing skills, cultural awareness, and current events.

Government Strategies**20051****Credit:****0.5****Grade:****10-12****Prerequisites:** Must be on an IEP**Graduation Req:** Social Studies

This course is specifically designed for students with an Individualized Education Plan (IEP) with a modified course focusing on the structure of powers of the three branches of our government, U.S. Constitution, Bill of Rights, and current events. **(Course to be offered in 2019-2020).**

Life Skills Social Studies
20032S1 & 20032S2

Credit:
1

Grade:
9-12

Prerequisites: Must be on an IEP

Graduation Req: Social Studies

This course is for students with Significant Needs on an Individualized Education Plan (IEP). Emphasis will be based on student's individual needs, current events and life in the community.

US History Strategies
20101

Credit:
0.5

Grade:
10-12



Prerequisites: Must be on an IEP

Graduation Req: Social Studies

This course is specifically designed for students with an Individualized Education Plan (IEP). Students will focus on history of the United States including westward expansion, industrialism, World War I, the Great Depression, World War II, Cold War, Civil Rights Movement, Vietnam War, US Globalization, the Information Age, War on Terrorism and current events. Students will focus on history of the United States including westward expansion, industrialism, World War I, the Great Depression, World War II, Cold War, Civil Rights Movement, Vietnam War, US Globalization, the Information Age, War on Terrorism and current events.

World History Strategies
20079

Credit:
0.5

Grade:
9



Prerequisites: Must be on an IEP

Graduation Req: Social Studies

This course is specifically designed for students with an Individualized Education Plan (IEP) with a modified course focusing on pre-history to current day.