

PINE CREEK HIGH SCHOOL



2024-25 COURSE GUIDE



Pine Creek High School

Home of the Eagles

10750 Thunder Mountain Avenue
Colorado Springs, CO 80908
719-234-2600
<https://pinecreek.asd20.org>

Administration

Tracie Cormaney, Principal
Matt Mahan, Assistant Principal
Kathleen Raphael, Assistant Principal
Jill Talbot, Assistant Principal
Joshua Trahan, Assistant Principal
Russ McKinstry, Athletic Director and Assistant Principal

Counseling

Mitchell Boyczuk – Counselor, Class of 2025
Jade McIntosh – Counselor, Class of 2026
Sarah King – Counselor, Class of 2027
Kelley Stewart – Counselor, Class of 2028
Brianne Martinez – Counselor, Student Plans (504's, IEP's)
Stephanie Cornelio – College & Career Counselor

Academy School District 20 | 1110 Chapel Hills Drive | Colorado Springs, CO 80920
www.asd20.org | 719-234-1200

Contents

MISSION 5

ACADEMIC INFORMATION 6

ACADEMY DISTRICT 20 GRADUATION REQUIREMENTS 6

 Early Graduation 7

GENERAL INFORMATION 8

 Student Classification 8

 Marking System 8

 Grade Point Averages..... 8

 Weighted Grades and GPA Calculation 8

 Transfer To or From an Academy District 20 High School 9

 Grade Reports and Transcripts 10

 Academic Letters 10

 Honor Roll 10

 Honor Graduates / Valedictorian / Salutatorian 10

 The Flight of the Eagle..... 10

 Seal of Biliteracy 11

 Graduation and Honors Regalia 11

 Schedule Changes..... 11

 Independent Study Courses 12

 Homeschool Credits..... 12

 Summer School Credits 12

 Outside Credits 12

 Concurrent Enrollment Credits 12

 Withdrawal from An Academy District 20 High School..... 12

COLORADO HIGHER EDUCATION ADMISSION REQUIREMENTS (HEAR) 13

HONORS & ADVANCED PLACEMENT (AP) PROGRAMS 13

 Honors Program..... 13

 The Advanced Placement (AP) Program:..... 13

 National Honor Society 14

ATHLETICS AND ACTIVITIES ELIGIBILITY 15

 Eligibility and Choice Schools 15

COLLEGE ATHLETICS: NCAA ELIGIBILITY..... 15

FEES 15

COLLEGE ADMISSION RECOMMENDATIONS 16

 In-State Four-Year Public Colleges 16

 Most Highly Selective Universities..... 16

NAVIANCE..... 16

COURSE OFFERINGS..... 18

ART – OVERVIEW OF COURSES 19

ART – COURSE DESCRIPTIONS 20

BUSINESS & MARKETING – OVERVIEW OF COURSES 27

BUSINESS & MARKETING – COURSE DESCRIPTIONS 28

COMPUTER SCIENCE – OVERVIEW OF COURSES 32

COMPUTER SCIENCE – COURSE DESCRIPTIONS 33

ENGLISH – OVERVIEW OF COURSES..... 36

ENGLISH – COURSE DESCRIPTION 37

MATHEMATICS – OVERVIEW OF COURSES..... 42

MATHEMATICS – COURSE DESCRIPTIONS 43

PERFORMING ARTS – COURSE OVERVIEW 48

PERFORMING ARTS – COURSE DESCRIPTIONS..... 49

PHYSICAL EDUCATION – OVERVIEW OF COURSES 56

PHYSICAL EDUCATION – COURSE DESCRIPTIONS 57

SCIENCE – COURSE OVERVIEW	61
SCIENCE – COURSE DESCRIPTIONS	62
SOCIAL SCIENCE – OVERVIEW OF COURSES.....	69
SOCIAL SCIENCE – COURSE DESCRIPTIONS	70
WORLD LANGUAGES – OVERVIEW OF COURSES	76
WORLD LANGUAGES – COURSE DESCRIPTIONS	77
OTHER COURSES	84
<i>SPECIAL PROGRAMS – OVERVIEW OF COURSES.....</i>	<i>87</i>
<i>SPECIAL PROGRAMS – COURSE DESCRIPTIONS</i>	<i>88</i>
AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)	88
AUTOMOBILE & CONSTRUCTION PROGRAMS	90
ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID).....	91
CAREER START & ISSA	92
CONCURRENT ENROLLMENT	93
HEALTH SCIENCES PROGRAM - CNA.....	93
HEALTH SCIENCES PROGRAM - EMT	94
TEACHER CADET PROGRAM	94
<i>INDEX OF COURSES.....</i>	<i>95</i>
<i>HIGHER EDUCATION ADMISSIONS REQUIREMENTS.....</i>	<i>97</i>
<i>NCAA ELIGIBILITY</i>	<i>97</i>
<i>FREQUENTLY ASKED QUESTIONS</i>	<i>98</i>
<i>GRADUATION REQUIREMENTS WORKSHEET (50 CREDITS)</i>	<i>99</i>

PINE CREEK HIGH SCHOOL

Academy District 20

Course Guide

This course guide has been developed to assist you in planning for a successful high school experience. The guide contains the requirements that you must meet in order to graduate from Pine Creek High School. It also contains brief descriptions of all the courses offered at Pine Creek High School.

Study the graduation requirements and course descriptions carefully with your parents/guardians before planning your courses. Your counselor and teachers will assist you with your decisions. Your choice of courses should be based upon graduation requirements, post-high school plans, teacher recommendations, interests and abilities, and past achievements.

It is important to note that some of the courses listed in this guide may not be offered due to insufficient student registration.

We update information in the Course Guide on a regular basis. Please refer to the PCHS Website, <https://pinecreek.asd20.org>, for updated information.

NEW STUDENTS to the district should:

1. Complete the online portion of the enrollment application, available on the Academy District 20 website (www.asd20.org).
2. Register at the Education and Administration Center (EAC)
Central Registry
1110 Chapel Hills Drive
Colorado Springs, CO 80920
(719-234-1200)
3. Call Pine Creek High School (719-234-2600) to make an appointment with a counselor.

MISSION

Pine Creek High School

A student-centered School of Innovative Learning and Technology that inspires excellence, Pine Creek High School equips and empowers all learners to think critically, perform creatively, and work ethically by providing a safe and welcoming learning community with rigorous and relevant opportunities which cultivate compassionate citizens who will flourish in a globally minded society.

Academy District 20

The mission of Academy School District 20 is to educate and inspire students to thrive.

ACADEMIC INFORMATION

Academy District 20 Graduation Requirements

All students who graduate from District 20 schools should have a firm foundation in the core areas of English, world languages, mathematics, science, and social science as well as a comprehensive background in arts, physical education, and other electives. To be prepared for post-secondary and career opportunities, students should select courses which are related to their post-secondary plan and are academically demanding. Courses must align with Colorado Academic Standards and/or in-field standards. The coursework outlined in this policy is the minimum required for earning a diploma; students should strive to challenge themselves by exceeding the requirements whenever possible in accordance with their post-graduation goals. School officials will work with students in developing their individual career and academic plans (ICAP) which include plans for high school courses. In collaboration with parents/guardians and counselors, students will review and update these plans annually, beginning in sixth grade when students begin the ICAP process and in accordance to policy IHBK Preparation for Postsecondary and Workforce Success Procedure and IHBK R Preparation for Postsecondary and Workforce Success procedure.

Coursework requirements for graduation are based on the number of units of credit earned in grades 9 through 12. A unit of credit is typically the credit received for a one semester course. A minimum of 50 units of credit shall be required for graduation from high school. The principal has the authority to waive a graduation required course based on individual needs in alignment with the graduation waiver process. Appeals will be directed to the superintendent or designee. **Students must have completed all graduation requirements (50 credits) to be eligible for participation in commencement exercises.**

For students graduating in the **2021-2022** school year, and for each graduating class thereafter, in order to be eligible for graduation, students must:

- I. Meet coursework requirements. These requirements, in effect since 2011, reflect a well-rounded sequence of courses that prepares D20 graduates for a wide range of post-secondary options.
- II. Demonstrate proficiency in both Math and Reading, Writing and Communicating (RWC).

COURSEWORK REQUIREMENTS (ALL GRADUATES)			MATH AND RWC PROFICIENCY (CLASS OF 2022 & LATER)
Course Type	Credits	Special Notes	<p>Students must demonstrate proficiency in Math and Reading, Writing and Communicating (RWC) by any one of the following:</p> <ul style="list-style-type: none"> meeting the established minimum score on one of CDE's approved assessments. obtaining an approved industry certificate that aligns with their individual career and academic plans (ICAP). obtaining a C- or higher in an approved concurrent enrollment, college level course that aligns with their ICAP. obtaining a passing score on a capstone project approved for Math and/or RWC that
English	8	Grade-specific English courses only. English electives do not count toward graduation requirements.	
Science	6	Four of the six credits must be from laboratory science classes.	
Mathematics	6	All students must complete Algebra 1 and Geometry (either in middle school or in high school). All students must earn 6 math credits during grades 9-12.	
Social Science	6	Social Science requirements include two required credits of U.S. History, one credit of Civics, and two required credits of *World History or another course covering Holocaust and Genocide studies as required by House Bill 20-1336. World History requirement begins with the Class of 2028.	
World Language	2	High school level world language courses taken in middle school may apply to this requirement but will not count toward the requirement of 50 total credits. When applying middle school world language credits to meet this requirement, 2 additional core elective credits must be earned.	
Core Electives	6	Core elective requirements include courses in English, world language, mathematics, science, and social science.	
Physical Education	3		
Health	1		
Arts	1	Arts requirements include visual and performing arts.	

Unrestricted Electives	11	Credits earned beyond the requirements listed above will count as unrestricted elective credit	aligns with their ICAP.
TOTAL	50		

* Beginning with the ninth-grade class of 2024-25, World History or another course covering Holocaust and Genocide studies as required by House Bill 20-1336 will become a requirement for graduation.

Early Graduation

Academy District 20 believes that most students benefit from four years of high school experience and are encouraged not to graduate early. However, in some cases, students are ready for post-secondary education or other opportunities prior to completing four years of high school. Therefore, the superintendent or designee may grant permission to students wishing to graduate early, provided the student has met all district graduation requirements in accordance with this policy. **Students interested in Early Graduation must contact their grade level counselor one year prior to projected graduation year.**

General Information

Pine Creek High School makes every effort to create a comprehensive master schedule designed to fit student's academic needs. All freshmen, sophomores, and juniors must carry 7 classes per semester. Seniors must carry a minimum of 6 classes per semester. Partial Absences ([click here](#) for form) must be approved for any student with a partial absence each semester. See [Partial Absence](#) for additional information.

Student Classification

Pine Creek is a four-year high school. Graduation requirements are based on the year students enter high school and assume a four-year progression.

Year in High School	Classification
1 st year in high school	Freshman (9)
2 nd year in high school	Sophomore (10)
3 rd year in high school	Junior (11)
4 th year in high school	Senior (12)

In order to be eligible for participation in commencement exercises, students must complete all graduation requirements.

Marking System

A+ 96.5	C+ 76.5	NC No Credit
A 93.5	C 73.5	I Incomplete
A- 89.5	C- 69.5	WP Withdraw Pass
B+ 86.5	D+ 66.5	WF Withdraw Fail
B 83.5	D 63.5	P Passing
B- 79.5	D- 59.5	
	F <59.5	

Grade Point Averages

The following point values will be used to compute the grade point average. Plus/minus grades do not change GPA.

<u>Letter Grade</u>	<u>Points</u>	<u>Honors/AP Letter Grade</u>	<u>Points</u>
A	4.0	A	5.0
B	3.0	B	4.0
C	2.0	C	3.0
D	1.0	D	2.0
F	0.0	F	0.0

NC: no credit, not used in computation
 WP: withdraw pass, not used in GPA calculation
 WF: withdraw fail, used in GPA calculation
 P: not used in computation

Weighted Grades and GPA Calculation

By School Board policy ([IKAA-R](#)), Courses which are weighted will have a consistently verifiable, elevated, and more rigorous curricula as compared to the unweighted equivalent courses.

Advanced Placement and International Baccalaureate Diploma Programme courses automatically qualify for weighted status. Other courses that meet the definition may also have weighted status. Weighted status may be requested as part of the New Course Approval Procedure ([IIAC E 3](#)).

Students who successfully pass a class that has been weighted will receive one (1) extra grade point per credit for that course. This extra point will be calculated with all other course grades which will still be calculated on a four (4) point scale.

Transferring To or From an Academy District 20 High School (per School Board Policy IKAA E 2)

Students will be classified according to the number of years they have been in attendance in high school. Students who do not complete enough credits to graduate in May of their original graduation year will need to meet with their counselor and obtain resources for an alternate plan to complete graduation requirements.

Academy District 20 high schools must receive official transcripts from the student's previous school before credit can be given. We will accept credit from any accredited high school that is aligned with D20 offerings. Copies of transcripts may be used for enrollment purposes only. For students transferring to an Academy District 20 high school from either within District 20 or from another district, credits will be weighted only if the transferring course meets one of the following:

- The credit will be weighted if the course is an authorized Advanced Placement or International Baccalaureate Diploma Programme course.
- The credit will be weighted for a course if the specific District 20 school into which the student is transferring offers the same course or one with a similar title and description. If the school into which the student is transferring does not offer the same course as that with a weighted credit from a previous school, the credit will be unweighted.

Students transferring into an Academy District 20 high school must bring a copy of all prior transcripts in order to enroll and register for classes. One high school credit may be earned for each 3-credit college class. Teacher assistantships, Peer Tutors, and Study Hall will earn .5 credit. Teacher assistantships are graded on a pass/fail basis with a limit of one per semester.

Letter grades: Academy District 20 high schools use letter grades. If a student transcript reports grades in both letters and percentages, Academy District 20 high schools will use the letter grades. If a transcript has only percentage grades, Academy District 20 high schools will transfer the grade as a letter grade based on the individual school's grading standards.

The following procedure applies for students transferring into an Academy District 20 high school:

0-4 Weeks	<ol style="list-style-type: none">1. Student will receive a new high school schedule.2. No transfer grades are necessary but will be applied if available.3. Student's grade will begin on student's start date.4. No makeup work will be required but student is responsible for all content that will be tested on the final exam.
5-9 Weeks	<ol style="list-style-type: none">1. Counselors will match the student's previous schedule as closely as possible.2. Transfer grades will be applied for specific class or content area where available.3. Classes that do not have a transfer grade will begin on the student's start date as far as grading. No makeup work will be required but the student is responsible for all content that will be tested on the final exam.4. For classes with no transfer grade, the student will have to pass the final exam with at least a 60% (D) or earn a 1.0 (evidence of developing foundational skills of target concepts--Evidence Based Grading) to earn credit and a letter grade in the course.
10-13 Weeks	<ol style="list-style-type: none">1. Counselors will match the student's previous schedule as closely as possible.2. Transfer grades will be applied for specific class or content area where available.3. Classes that do not have a transfer grade will begin on the student's start date as far as grading. No makeup work will be required but the student is responsible for all content that will be tested on the final exam.4. For classes with no transfer grade, the student will have to pass the final exam with at least a 60% (D) or earn a 1.0 (evidence of developing foundational skills of target concepts--Evidence Based Grading) to earn credit and will receive a PASS for the course.
14-18 Weeks	<ol style="list-style-type: none">1. Counselor will use previous schedule to match the student's classes—transfer grades will be applied where available.2. All other coursework will be audited for the remainder of the semester. NC (no credit) will be entered on transcript.

*All guidelines are at the discretion of the principal and may be changed with approval to meet individual needs.

Grade Reports and Transcripts

Academy D20 high schools do not mail report cards home; grades can be accessed by using Infinite Campus. Parents interested in regular grade updates should access Infinite Campus online through the PCHS website or through the IC app. The official grade that appears on the transcript is the semester grade.

A grade of "Incomplete" may be given at the discretion of the teacher. When the missing class work is made up and the incomplete grade is changed, the cumulative data will be updated appropriately. A student shall be allowed to make up an incomplete grade within a two-week period after the end of the semester unless other arrangements have been made in writing with the teacher. In the absence of prior arrangements, the Incomplete shall become an F after the two-week period.

The College/Career Center will provide transcripts for college applications. The Registrar's Office will provide transcripts for other institutions or agencies upon request. After graduation, individuals may order transcripts via the Academy District 20 website for a fee.

Academic Letters

A student will earn an academic letter (a white "PC") if he/she has a semester GPA of 3.75 or higher for two consecutive semesters, through the 7th semester. No academic letters will be awarded for the second semester of senior year. An academic bar will be earned if the student maintains a 3.75 or higher GPA for two additional consecutive semesters. Academic letters/bars will be earned only for classes taken at Pine Creek High School.

Honor Roll

To be eligible for the Pine Creek Honor Roll, a student must be full-time (carrying at least five credits). The Honor Roll recognizes students each semester in the following categories:

Principal's 4.0 and above
Eagle Merit 3.87 – 3.99
Merit..... 3.75 – 3.86

Additionally, each semester we recognize students who improve their GPAs by .5 or more.

Honor Graduates / Valedictorian / Salutatorian

➤ Class of 2025 and 2026 ONLY

The valedictorian shall be the student(s) with the highest weighted grade point average (GPA). The salutatorian will be the second highest grade point average (GPA). In order to be eligible, a student must have attended at least their 6th and 7th semesters full-time at Pine Creek. The GPA shall be computed on a weighted scale from all classes (courses) through the completion of the 7th semester. Honor graduates are those full-time students with a cumulative, weighted GPA at or above 3.75 (at the completion of the 7th semester).

➤ Class of 2027 and thereafter

Beginning with the Class of 2027, Academy District 20 High Schools will recognize academic excellence achieved over a student's four-year high school career in three categories of Latin Honors - summa cum laude, magna cum laude, and cum laude. Please note that the valedictorian/salutatorian designation will end with the Class of 2026.

Each high school in the district will continue to acknowledge students' academic achievements in forms such as honor rolls, cords and/or stoles at graduation ceremonies, and department- and school-specific awards.

Recipients of honor designations are based on the cumulative weighted grade point average after 7 semesters.

Pine Creek Honor Graduates:

- Students with a cumulative, weighted GPA of 3.75-3.99 wear the green/blue/white honor cord.

Latin Honors awarded at Pine Creek:

- Students who graduate with a 4.0 GPA or above will graduate with summa cum laude, magna cum laude, or cum laude designations and will wear the respective academic honor medals.
 - Summa cum laude will be awarded to students who have earned a cumulative, weighted GPA of 4.40 and higher.
 - Magna cum laude will be awarded to students who have earned a cumulative, weighted GPA of 4.20 – 4.39.
 - Cum laude will be awarded to students who have earned a cumulative, weighted GPA of 4.00 – 4.19.

The Flight of the Eagle

The Flight of the Eagle recognizes seniors who have demonstrated high achievement and commitment in a broad range of endeavors. All nominated students must demonstrate compassion, courage, integrity, perseverance, respect and

responsibility, which are the Cornerstones of Creek Character. These students have demonstrated the ability to achieve “above and beyond.”

To be considered for the award, students must have a minimum cumulative GPA of 3.75 and be nominated by **five (5)** or more departments (activities and athletics are included as separate, individual departments). For students to earn an activity nomination, they must be eligible to earn a letter in two or more activities. For students to earn an athletic nomination, they must be eligible to earn an athletic letter. The number of students recognized may vary from year to year and should not be less than 5% or greater than 10% of the senior class.

Seal of Biliteracy

Pine Creek High School recognizes and honors the work of students to obtain proficiency in English and another language by adopting the Seal of Biliteracy. Students who earn the Seal of Biliteracy will receive a gold seal on their diploma and will also wear the green cord during graduation. To earn this award, students must demonstrate proficiency in both English and another language.

- English – Students must demonstrate proficiency by completing all the English Language Arts courses required for graduation with an overall GPA of 3.0 or higher AND meet one of the requirements listed below:
 - SAT Evidence-Based Reading and Writing Exam – score 470 or higher;
 - AP English Language and Composition Exam or AP English Literature and Composition Exam – score 3 or higher;
 - IB English A, IB English Literature A, or IB English A1 Exam – score 4 or higher.
- 2nd Language – Students must demonstrate proficiency in a language other than English by achieving one of the following:
 - AP World Language Exam – score 3 or higher;
 - IB World Language (SL or HL) Exam – score 4 or higher;
 - AAPPL Test Form B – Intermediate mid or higher in speaking, listening, reading, and writing.

Graduation and Honors Regalia

Official Pine Creek graduation regalia includes the cap, gown, white stole, and honors cords and medals awarded by the school. Students may not add, embellish, decorate, or alter graduation regalia in any way.

Honor graduates wear cords or medals during the graduation ceremony indicating their Pine Creek High School academic achievements. These include Honor Graduates, Latin Honors, as well as the following:

- Students who are members of national honor societies with active, sponsored chapters at Pine Creek may wear the individual honor cords of their societies. Chapter advisors award the honors cords during a chapter ceremony.
- Pine Creek awards honor cords to those graduates who earn straight A's for 8 semesters (purple cord). Students who graduate early (December of their senior year OR reclassify after their sophomore year) are not eligible for this award as they would not have completed 8 semesters prior to graduation.
- Pine Creek awards honor cords to those graduates who earn straight A's for **both** semesters of their **senior** year (red cord). Students who graduate early (December) are not eligible for this award as they would have completed only 1 semester during their senior year.
- Students with a parent who was deployed during their high school years may also wear the red/white/blue honor cord, which is awarded by the school.
- AFJROTC and AVID graduates also wear cords awarded by their respective programs.

Schedule Changes

Students and parents have the opportunity to choose most classes and have developed a Plan of Study in their Individual Career/Academic Plans with the grade level counselors. Therefore, it is expected that students will give careful consideration to this process and be responsible for the decisions they make. Students need to consider their alternate courses carefully; alternate courses are taken into consideration and may be used when creating student schedules. The master schedule for the school is built based upon the courses that students request. The schedule change window occurs before registration (check-in). This is the only time that students can request schedule changes, and only for the reasons listed below. A request is not a guarantee of change.

Changes May be Requested for the Following Reasons

Academic misplacement
Challenge by choice (to increase challenge)
To add a course needed for graduation
To drop a course when pre-requisites have not been met
To add a partial absence
Empty blocks in schedules

Inappropriate Schedule Change Requests

Requests for teacher change
Being in a class with friends
Changing a class to a different block
Elective changes

SCHEDULE CHANGES COULD IMPACT ATHLETIC/ACTIVITIES ELIGIBILITY.

Weeks 1-4:

After the official schedule change days, changes will only be made during the first four weeks of school for teacher-recommended level changes, on a space-available basis. Students who are requesting a change due to academic misplacement must discuss their concerns with the teacher before meeting with their grade level counselor. A request is not a guarantee of a change.

Week 5:

Beginning the fifth week, students who withdraw from a course will receive a WF (withdraw fail) for the semester grade in the course they are dropping, unless they have been educationally misplaced or have serious extenuating circumstances (e.g., hospitalization, long-term illness, etc.), which must be approved by an administrator. The change will not become official until the request form is returned to the Student Services Center and the change is approved by administration. Students will remain in their originally-scheduled classes until the change is approved and all books/materials are returned. Counselors will notify the student when the change has occurred.

Independent Study Courses

Independent study courses are offered at the discretion of the teacher in cases where students have exhausted typical course offerings. Additionally, independent studies:

- are not scheduled during teacher planning periods;
- will be transcribed as "Independent Study [Department]" (ex. *Independent Study Art, Independent Study World Language*);
- are graded on the high school curve only (A-F); grades are not pass/fail; grades are not weighted;
- hold the same attendance expectations as traditional courses (students must attend class);
- are not recognized by NCAA and may not be recognized by universities, which may impact student eligibility and credit recognition. It is the responsibility of the family to understand the impact of Independent Study on students' postsecondary plans.

Homeschool Credits

Parents/guardians of students with potential homeschool credits should contact the Registrar for the process and forms to request credits. Homeschool credits are transcribed Pass/Fail only.

Summer School Credits

Summer school credits are posted to the high school transcript, including high school courses taken between the eighth- and ninth-grade years.

Outside Credits

1. Students must meet with their grade-level counselor for advising before choosing outside-credit courses.
2. Students/parents must [complete the appropriate paperwork](#) and all classes must be pre-approved by an administrator in writing.
3. Students may take a maximum of six (6) outside credits over the course of their high school career. However, if the student's class has graduated, additional credit needed to complete graduation requirements may be earned by various means (i.e. correspondence, summer school, Pikes Peak State College, online).

Concurrent Enrollment Credits

The Concurrent Enrollment Programs Act (CE) (CRS 22-35-101 et seq.) makes it possible for *eligible* students in grades 9 through 12 who are under the age of 21 and officially registered with Academy District 20 to simultaneously enroll in their local high schools and in qualified institutions of higher learning. Interested students must meet all eligibility and application criteria as identified by the statute and further defined by the district/high school. Students should see the Post Secondary enrollment liaison to sign up for information meetings where specific dates/deadlines, eligibility, and application requirements and paperwork are distributed and explained. See the [Concurrent Enrollment pages](#) for more information.

Withdrawing from an Academy District 20 High School

The student who needs to withdraw, transfer, or drop from school for any reason must use this procedure:

1. Obtain a withdrawal form from the registrar or grade-level counselor. The student's parent/guardian must initiate a withdrawal with the registrar's office as soon as possible (IN PERSON when possible).
2. Return all textbooks, library books, and school technology (laptops and accessories). Pay all fines/fees. The completed withdrawal form must be returned to the registrar.
3. The Registrar's Office will forward transcripts when the withdrawal and checkout procedure is complete. We request that the parent/guardian provide the name and address of the next school the student will attend.

Colorado Higher Education Admission Requirements (HEAR)

Courses marked with an “H” in this guide meet the HEAR requirements. These credits represent minimum requirements at four-year public institutions and not for the state’s community colleges, which are open-admissions. The units have been adjusted to reflect the credit structure for Academy School District 20. Additionally, these credits are not meant to imply or replace Academy School District 20 graduation requirements.

*Please see detailed [Higher Education Admissions Requirements](#) information later in this guide.

More information can be found at [Higher Education Admission Recommendations | Higher Education \(colorado.gov\)](#) or [Admissions Eligibility | Higher Education \(colorado.gov\)](#)

Honors & Advanced Placement (AP) Programs

Honors Program

Honors and AP courses are open to all motivated and interested students. Honors classes stress academic excellence, preparation for college, and critical and independent thinking skills. Students who enroll in Honors classes are expected to work at a high level of competence and to responsibly accept the academically rigorous challenges set forth. Honors courses exceed the minimum state standards for core content areas.

Honors courses are intended to meet the needs of students whose ability level requires significant acceleration of the standard curriculum. The Pine Creek High School Honors Program is a continuation of the Academy District 20 elementary and middle school Talented and Gifted (TAG) Programs. TAG-identified students are encouraged to enroll in Honors and AP courses, which are the main avenue of TAG services at the high school level. While not a prerequisite for enrollment in AP courses, Honors courses provide a natural progression into AP courses. (See Advanced Placement Program information).

Who should take Honors classes?

Students are encouraged to take Honors classes if they meet a combination of these criteria:

- A PASSION for the subject.
- NATURAL ABILITY in the subject area.
- WORK ETHIC and/or a desire to work intellectually, think deeply, and consciously commit to the academic rigor required in an honors course.
- State assessment scores in the Advanced or Proficient level and/or display past and current academic performance in the above average range.
- Formal identification in the Academy District 20 TAG Program.
- Current content-area teacher advisement to enroll in honors level coursework.

All students considering Honors level courses should carefully consider their level of preparation and passion for the content area. Likewise, students should discuss all options with parents and teachers. Students who choose Honors courses should routinely demonstrate high integrity, motivation, maturity, and intellectual curiosity.

Honors students at PCHS are expected to maintain a “C” letter grade or above in advanced courses. Struggling students should discuss performance with classroom teacher, parent/guardian, and counselor. When necessary and agreed upon, placement in the traditional level course may offer more success. Honors classes have received district approval for weighted grade status.

The Advanced Placement (AP) Program:

The Advanced Placement (AP) program is an international program offered by Pine Creek High School in cooperation with the College Board. The AP program provides students the opportunity to pursue *college-level studies* while in high school. At the conclusion of the AP course, students take a College Board National AP Exam administered on a national test date.

Depending on scores, a student may receive college-level credit for AP classes. Currently, 99% of colleges and universities across the globe offer college credit, advanced placement, or both, for qualifying AP Exam scores. Acceptance of AP scores for college credit is determined by each college or university. *It is the student's responsibility to research policies at individual institutions regarding AP credit. For information, refer to <https://apscore.collegeboard.org/getting-credit-placement/search-Policies>.*

AP courses are intended to meet the needs of students seeking in-depth acceleration of curricular content. Because AP courses offer college-level curriculum, **they are more demanding than a standard high school course.** While AP courses have the academic rigor of a college program and reward achievement, they also provide greater opportunities to master a subject and to explore it in greater depth. Students who enroll in AP courses must be highly motivated and willing to work

responsibly to develop analytical reasoning skills and disciplined study habits. AP courses exceed the minimum state standards for core content areas and have received Academy District 20 approval to award weighted credit.

Taking an AP Exam

Students are expected to pay an exam fee prior to the end of the first semester. This exam fee is largely set by College Board and is subject to annual increases which may not be reflected by the time this course guide is published. Taking the national exam is part of the AP experience. Students are *expected* to pay the exam fee and take the exam. Students who qualify for Federal Aid programs may apply for assistance with AP exam fees.

2024-25 Estimated Exam Fee
\$105/exam
AP FEES MUST BE PAID BEFORE THE END OF 1ST SEMESTER

All AP examinations (except Studio Art) contain both multiple-choice questions and free-response questions, which require essay writing and problem solving. Most of the examinations are three hours long. The exam must be taken on the date published by the College Board. If a student has a valid reason for withdrawing from taking the national exam, he/she **MUST** take an equivalent exam with his/her teacher in order to retain the AP designation on the transcript and to retain weighted grade status. Refunds for exam fees may be issued, minus an exam handling fee.

Every examination taken by students receives an overall grade on a five-point scale: 5 (extremely well qualified), 4 (well qualified), 3 (qualified), 2 (possibly qualified), and 1 (no recommendation). All exams are based on the course outlined in the AP course description pages which can be found on the College Board website at www.collegeboard.com. Both the course descriptions and the examinations are prepared for the College Board by committees of school and college teachers assisted by specialists at the Educational Testing Service.

AP Scores

Only students have the right to forward their AP scores to colleges and universities; therefore, to maintain student confidentiality and follow District 20 policy, AP test scores will not appear on PCHS transcripts. Students can view their score report online from College Board in July following spring testing. Official score reports can be requested through the College Board to be sent to the institution of choice at www.collegeboard.org. Please visit the College Board/AP website for more information <https://myap.collegeboard.org>.

How to Enroll in AP courses:

All students considering AP level courses should carefully consider their level of preparation and passion for the content area. Likewise, students should discuss all options with parents and teachers.

The successful AP student must:

- Possess the prerequisite skills, work ethic, and attitude necessary for success at the AP level
- Make a conscious decision to commit to the college level academic rigor required in an AP course (If there are any questions about these skills, the student's current teacher is the best source of information in helping make this important decision)

In addition to the above requirements, we recommend prospective AP students and their parents/guardians attend the AP Information Night. Contact school for details.

National Honor Society

The purpose of the Pine Creek High School Chapter of the National Honor Society is to create enthusiasm for scholarship, to stimulate a desire to render service, to promote worthy leadership, and to encourage the development of character in the students of Pine Creek High School.

The chapter selects and inducts students once per year, in the fall. Candidates must be juniors or seniors with a minimum weighted cumulative GPA of 3.75. The only GPA calculation accepted is the one displayed on the official high school transcript. A student must have attended Pine Creek High School for at least one semester before s/he is eligible for selection.

All candidates who meet the academic eligibility requirement will be invited to complete an application packet. This packet outlines the candidate's accomplishments in the areas of service and leadership. The Faculty Council reviews the completed application packet, along with any other verifiable information about the candidate, relevant to their candidacy. The Faculty Council considers the body of evidence presented for review. Only activities from the high school years of enrollment will be considered by the Council. With a vote on each candidate, those candidates receiving a majority vote of the Faculty Council are invited to be inducted into the chapter.

An active member of the National Honor Society who transfers to Pine Creek High School will be accepted for membership in this chapter after the adviser has verified the transfer student's NHS membership in his/her last school of attendance. To maintain membership, the transfer member must meet all continued membership requirements in the Pine Creek High School Chapter of NHS.

Senior members of the chapter will receive an honor cord to be worn at graduation, if they have successfully maintained the standards of scholarship, leadership, service, and character that were used as a basis for their selection. To remain in good standing, a member must meet requirements for attendance at meetings, pay the annual dues, and participate in social and service activities as established by the Executive Committee for each academic year. Members must maintain at a minimum a cumulative GPA of 3.75. A member may be placed on warning (or probation) during which he or she is considered to be "not in good standing" with the chapter until the deficiency is restored.

Athletics and Activities Eligibility

In order to be eligible to participate in athletics and activities at PCHS:

1. Students must carry 5 full-credit classes during the semester they compete, and 5 full-credit classes in the semester before they compete. Students who plan to participate in athletics and activities must always carry 5 full-credit classes. (Teacher Assistants, Peer Tutors, and Study Hall receive 1/2 credit; partial absences receive no credit).
2. Students must not be failing more than 1 unit of credit at the time of participation or the semester before they participate.

Eligibility and Choice Schools

For Athletics, please contact the Athletic Director for questions at (719) 234-2651 or visit the Colorado High School Activities Association website at www.chsaa.org.

For Activities, please contact the Activities Director for questions at (719) 234-2626 or visit the Colorado High School Activities Association website at www.chsaa.org.

College Athletics: NCAA Eligibility

****Course Marked with "N" in this guide meet the NCAA core course requirement.***

Students who are interested in competing in college athletics at the Division I or II level should complete an NCAA Eligibility form as early as their sophomore year and before the end of their junior year. This form is to be completed on-line at <https://web3.ncaa.org/ecwr3/>. Once registered with the Eligibility Center, students will need to request their transcripts to be sent.

Please go to http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/DI_Quick_Reference_Sheet.pdf for eligibility guidelines or go to Appendix A.

To be certified to play sports at the Division I or II levels, students must:

- Register with the Eligibility Center.
- Request that high school transcripts be sent to the Eligibility Center (please note: you must send a transcript from every high school you have attended to the Eligibility Center).
- Take an ACT and an SAT.
- Request that your scores are sent to the Eligibility Center directly from the testing agency (NCAA will not accept your test scores from your transcript). Use the free reporting service during test registration to send scores. The Eligibility code is: 9999.
- Earn a grade point average of at least 2.3 in core classes completed during grades 9-12. Only approved PCHS classes can be used to calculate the GPA. Check PCHS' core list on the Eligibility website.
- Earn specific scores on the ACT or SAT based on your cumulative GPA. See sliding scale on Eligibility website.
- Students should check to see which PCHS courses have been approved by NCAA. To do so, log onto [PCHS approved courses](#) and use our school code, which is **060316**. For example: Consumer Math does not count as a math credit. Any courses taken pass/fail are calculated as a "D" in the GPA.
- Students should access the website if they have questions or meet with the College Counselor or Athletic Director.

Fees

All course fees are subject to change. Refer to the fees table on the Pine Creek homepage (Parents Menu) for the most current fees. Course fees are due at the beginning of each semester, during registration or on the first day of class. Students with unpaid course fees may be removed from classes. Contact the Principal's Office for information on financial assistance.

College Admission Recommendations

We encourage Pine Creek students to plan for post-high school education. Listed below are recommended admission criteria by level of selectivity. Requirements vary greatly (by major, etc.), so students should consult college websites, attend college fairs, and visit with college representatives. Consult with the College/Career Center for information on how to access these resources.

In-State Four-Year Public Colleges

Colorado Pre-Collegiate Curriculum

The Pre-Collegiate Curriculum is a combination of courses in the academic areas that students should take for entrance to Colorado's four-year public colleges or universities.

English	4 years, 8 credits
Math	4 years, 8 credits - Algebra I, Geometry, Algebra II or equivalents
Natural/Physical Sciences	3 years, 6 credits
Social Sciences	3 years, 6 credits - 1 Year of U.S. or World History
Academic Electives	2 years, 4 credits - Additional courses from above areas and/or world languages

World Language Most four-year colleges in Colorado recommend at least three years of the same world language. The University of Colorado system and Colorado State University requires two or three years, depending on the field of study.

Index Scores Four-year public universities and colleges in Colorado utilize the Grade Point Average and best ACT/SAT scores to calculate an Index number which is a basic requirement for admission. Different schools have different index number requirements. Your counselor has a chart showing these scales.

Most Highly Selective Universities

Minimum of 36 high school credits:

English	4 years - With a continued emphasis on writing
World Language	4 years - All study completed in one language
Math	4 years - Preferably including an introduction to Calculus
Science	4 years - To include two to three years of laboratory science. Recommended biology, chemistry and physics.
Social Science	4 years - To include one year of U.S. History
Arts	1 Year

College requirements for test scores and grade-point averages will vary from the most difficult (above) to non-competitive, where virtually all applicants are accepted regardless of rank/GPA/scores. The three categories below describe where most other colleges fit.

Very Selective	More than 50% of the college freshmen are in the top 10% of their high school class and scored over 1230 on the SAT I or 27-35 on the ACT; about 60% or fewer of the applicants were accepted.
Moderately Selective	More than 75% of the freshmen are in the top half of their high school class and scored over 1010 on the SAT I or over 22 on the ACT; about 85% or fewer of the applicants were accepted.
Minimally Selective	Most freshmen were not in the top half of their high school class and scored somewhat below 1010 on the SAT I or below 20 on the ACT; up to 95% of the applicants were accepted.

Admissions personnel will take into consideration the rigor of your curriculum, personal essay, letters of recommendation, extra-curricular activities, and community service activities.

Naviance (*Naviance will be replaced by a new platform TBD for the 2024-2025 school year.*)

Naviance is our online college career planning program (Family Connection from *Naviance*). *Naviance* is a comprehensive website that students can utilize to help complete their Individual Career & Academic Plans (ICAP), manage career/college research and help efficiently complete college applications. Throughout the year, counselors utilize *Naviance* during grade-level classroom guidance. Students will re-visit ICAP lessons in both the fall and spring semesters of each school year. Students are encouraged to discuss with their parents what they have learned and to visit the Naviance website together.

Because Naviance is a web-based program, students can access their accounts 24/7. To access accounts please go to the PCHS homepage, log-on link, and then sign in to Naviance. Username is: student ID #, password is: student's initials and 6 digit birthday.

Here are just some of the helpful features found in *Naviance*:

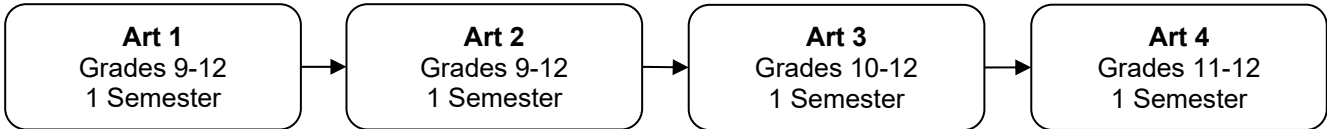
- Stay informed: College/Career announcements and upcoming college visits.
- ICAP: Build and update your four-year plan to satisfy graduation and college entrance requirements. Counselors will get you started on this process.
- College research: Sign up for college visits at PCHS, complete college searches, save prospective colleges, and request supporting documents (transcripts/letters of recommendation) for college applications your senior year. There is also a scholarship search in this section.
- Career research: This section has a personality survey, a career interest profiler, and you can research different careers and majors and, in many cases, look up colleges that offer particular programs. Counselors will get you started on these inventories.
- Goal setting: you can complete a “game plan” here to get you thinking about your goals after high school. This section also contains a user-friendly resume builder.
- Request supporting college application materials such as official transcripts and letters of recommendation.

COURSE OFFERINGS

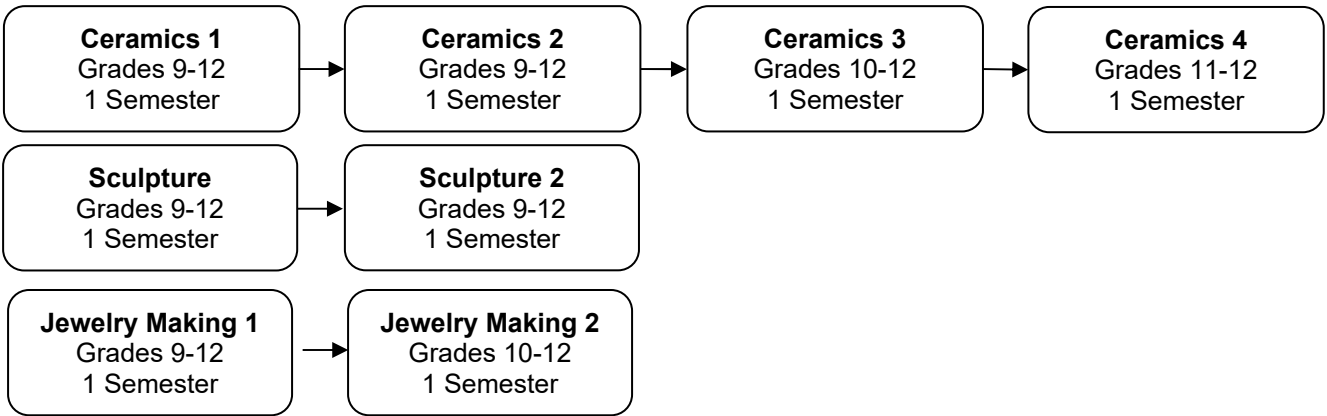


Art – Overview of Courses

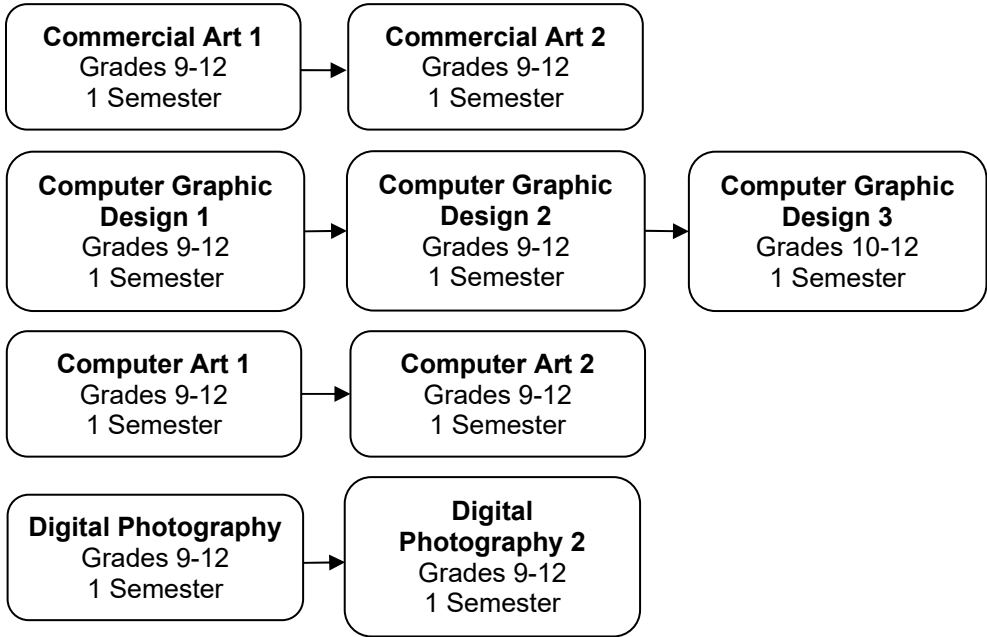
2D Art



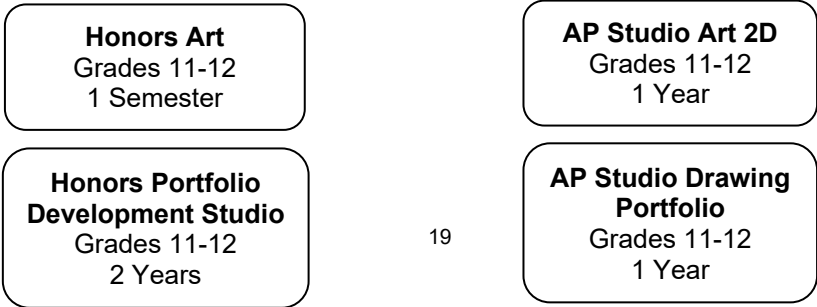
3D Art



Graphic Art



Honors & Advanced Placement (AP) Classes



Art – Course Descriptions

2D ART

Art 1 *H*

Course Number: 020000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will receive instruction in the skills of basic drawing and painting. Students will explore basic techniques and subject matter. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, watercolor and tempera.

Grade: 9-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Art 2 *H*

Course Number: 020005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Art 1 or instructor approval.

Description: Students will receive instruction in the skills of intermediate drawing and painting. Students will expand their knowledge and application of drawing and painting techniques. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, watercolors, tempera, pastels, sanguine and sepia, and conte crayon. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 9-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Art 3 *H*

Course Number: 020010

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Art 2 or instructor approval.

Description: Student will receive instruction in the skills of advanced drawing and painting. Students will continue to develop personal style and complex problem-solving skills as evidenced in the development of their portfolio. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 10-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Art 4 *H*

Course Number: 020015

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Art 3 or instructor approval

Description: Students will work in the media of their choice, developing advanced technical skills and personal style while addressing problems of creative expression. Mixed media and use of new media will be addressed. Students will be expected to create two “show quality” art pieces. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 11-12

Fee: \$35

Type of Credit: Fine Arts or Elective

3D ART

Ceramics 1 *H*

Course Number: 023000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: This course involves an introduction to the materials, techniques, design, and equipment of hand-built ceramic art and an introduction to the potter's wheel. Emphasis will be on development of basic skills, creativity, craftsmanship, aesthetics, and using clay as a medium of personal expression. Responsibility and decision-making processes will be stressed.

Grade: 9-12

Fee: \$40

Type of Credit: Fine Arts or Elective

Ceramics 2 *H*

Course Number: 023005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Ceramics 1 or instructor approval

Description: This course will include an in-depth study of materials, techniques, design, and equipment of hand-built ceramics plus intermediate wheel throwing. Emphasis will be creativity, design, and improved craftsmanship. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 9-12

Fee: \$40

Type of Credit: Fine Arts or Elective

Ceramics 3 *H*

Course Number: 023010

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Ceramics 2, or instructor approval

Description: At advanced levels of ceramic studies, students will work with materials, techniques, and concepts to generate their own personal designs. Students will be required to research and develop their ideas in and out of the ceramic lab. Students will pursue new directions with approval and guidance from the instructor. Emphasis may be on the exploration of clay as a sculptural medium, the business strategies behind the process of production pottery, independent study, and mastery of clay studio processes. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 10-12

Fee: \$40

Type of Credit: Fine Arts or Elective

Ceramics 4 *H*

Course Number: 023015

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Ceramics 3 or instructor approval

Description: At advanced levels of ceramics studies, students will work with materials, techniques, concepts, designs, and research in and out of the ceramics lab. Students will work with individualized projects utilizing instruction, reference, and experience. Students will pursue new directions with approval and guidance from the instructor. Students may take this course with a Ceramics 1, 2, or 3 class with instructor approval. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 11-12

Fee: \$40

Type of Credit: Fine Arts or Elective

Jewelry Making 1

Course Number: 023100

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will explore jewelry design using a variety of materials. Students will learn basic skills and techniques for working with various materials. Jewelry projects will challenge students to use creative thinking and problem-solving skills, elements of art, and principles of design.

Grade: 9-12

Fee: \$40

Type of Credit: Fine Art or Elective

Jewelry Making 2

Course Number: 023105

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Jewelry Making 1 or instructor approval

Description: Students will increase proficiency using jewelry in 3-Dimensional Visual Arts. Students will challenge themselves to use increasingly more complex design elements, materials, and techniques.

Grade: 10-12

Fee: \$40

Type of Credit: Fine Art or Elective

Sculpture

Course Number: 028000

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: None

Description: This course is a studio-based art class introducing students to three-dimensional art. Through individual and group projects, visual presentations, and class discussion, students will explore various forms of sculpture. After learning foundational elements, principles, and historical and contemporary background of three-dimensional art, students will

Grade: 9-12

Fee: \$35

Type of Credit: Fine Arts or Elective

express themselves and the world around them through many forms of sculpture including (but not limited to) paper, wire, clay, recycled materials, handmade books, group projects and even public installations. Projects will focus on both personal and public content through an inventive, creative, and hands-on approach.

Sculpture 2

Course Number: 028005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Sculpture 1 or instructor approval

Grade: 9-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Description: This course is a mixed media studio-based art course that builds upon skills and techniques learned in Sculpture. Students will explore various forms and techniques of sculpture with such media as paper, wire, clay, and recycled materials.

COMPUTER GRAPHIC ART

Computer Art 1 *H*

Course Number: 026015

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: This course will focus on computer-generated artwork and computer graphics using industry standard software. Students will learn how to create their own works of art, as well as how to manipulate art to create new original works of art on the computer. ***This class uses Corel Painter and is internet intensive.***

Grade: 9-12

Fee: \$30

Type of Credit: Fine Arts or Elective

Computer Art 2 *H*

Course Number: 026020

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Computer Art 1 or instructor approval

Description: This course will be a continuation of Computer Art 1. Students will make computer-generated works of art using industry standard software. A strong emphasis will be placed on creating original works of art that show a personal style. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course. This class uses Corel Painter and is internet intensive.***

Grade: 10-12

Fee: \$30

Type of Credit: Fine Arts or Elective

Computer Commercial Art 1 *H*

Course Number: 020020

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: This course concerns art related to selling products and services, and stresses originality and presentation closely related to professional commercial art. This is a computer-based course where students will utilize industry standard software and create relevant commercial art products. ***This class uses Adobe Illustrator and is internet intensive.***

Grade: 9-12

Fee: \$30

Type of Credit: Fine Arts or Elective

Computer Commercial Art 2 *H*

Course Number: 020025

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Computer Commercial Art 1 or instructor approval

Description: This course focuses on learning art elements and principles and their application to layout, design, typography, and illustration. Students will use industry standard software as well as other tools to create original design projects to include labels, ads, and business packages. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course. This class uses Adobe Illustrator and is internet intensive; students will become ACP certified upon completion.***

Grade: 10-12

Fee: \$30

Type of Credit: Fine Arts or Elective

Computer Graphic Design 1 *H*

Course Number: 026025

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will learn to use the computer as a tool for creating their own work and for manipulating digitized images. Students will use industry standard software, as well as digital imaging devices, to create a variety of 2D projects. ***This class uses Adobe Photoshop and is internet intensive.***

Grade: 9-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Computer Graphic Design 2 *H*

Course Number: 026030

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Computer Graphic Design 1 or instructor approval.

Description: Students will continue their study of digital fine art using industry standard software and applying their skills to create more complex original digital compositions. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course. This class uses Adobe Photoshop and students will become ACP certified upon completion.***

Grade: 10-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Computer Graphic Design 3 *H*

Course Number: 026035

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Computer Graphic Design 2 or instructor approval.

Students will continue to make computer generated works of art using industry standard software and will develop a personal style. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course. This class uses Adobe Photoshop and students will become ACP certified upon completion.***

Grade: 10-12

Fee: \$35

Type of Credit: Fine Arts or Elective

Digital Photography 1 *H*

Course Number: 026050

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will explore about visual communication and learn how to plan and produce photographic compositions that demonstrate an understanding of such techniques as light, composition, color, and visual impact, using industry standard software. ***This class uses Adobe Photoshop and is internet intensive. Students are responsible for providing their own digital cameras.***

Grade: 9-12

Fee: \$30

Type of Credit: Fine Arts or Elective

Digital Photography 2 *H*

Course Number: 026055

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Digital Photography 1 or instructor approval

Description: Students will expand upon the themes covered in previous photography courses, with specific emphasis toward expanding technical fluency and personal articulation, using industry standard software. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course. Students are responsible for providing their own digital cameras. Students will become ACP certified upon completion.***

Grade: 10-12

Fee: \$30

Type of Credit: Fine Arts or Elective

HONORS & AP COURSES

Honors Art *H*

Course Number: 020030

Length: 1 Semester

No. of Credits: *1 credit

Prerequisite: 1) Successful completion of introductory art classes within a fine arts discipline; 2) a portfolio containing at least six pieces showing a variety of work; 3) and instructor approval. (Where appropriate, Honors Facilitator approval)

Notes: Weighted grade status

Description: This is an advanced problem-solving course for the exceptionally talented student having a strong desire to develop knowledge and skills in all areas of art. Emphasis will be placed on developing and producing high-quality art work under the guidance of the instructor, as well as on challenge and risk-taking, creative problem solving, art history, and criticism. It is especially designed for those students interested in pursuing a visual arts career or college major. This course may be repeated for credit. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 11-12

Fee: \$40

Type of Credit: Fine Arts or Elective

Honors Portfolio Development Studio

Course Number: 029005A/B

Length: 1 Year

No. of Credits: *2 credits, 1 per semester weighted

Prerequisite: Instructor Approval

Notes: Weighted grade

Description:

This is an advanced problem-solving course for the exceptionally talented student having a strong desire to develop knowledge and skills in all areas of art. Emphasis will be placed on developing and producing high-quality art work under the guidance of the instructor, as well as on challenge and risk-taking, creative problem solving, art history, and criticism. It is especially designed for those students interested in pursuing a visual arts career or college major. This course may be repeated for credit. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course. This class is digitally-based and primarily works with graphic design, photography, digital imaging, commercial art, and package design.***

Grade: 10-12

Fee: \$30

Type of Credit: Fine Arts or Elective

AP Studio Art 2D *H*

Course Number: 020040 A/B

Length: 1 Year

No. of Credits: *2 credits (1 credit/semester)

Prerequisite: Art 4, Honors Art or instructor approval

Notes: Students in this AP class are strongly encouraged to take the AP exam.

Description: This is a year-long, college-level class which requires dedication by the student in spending equal amounts of time inside and outside the classroom in art production. Students will work in the summer and the entire school year producing artwork for a portfolio. The AP 2D Design Portfolio involves integrative application of elements and principles through any 2D process or medium including, but not limited to graphic design, photography, digital imaging, illustration, fabric design and digital imaging. 24 to 29 works will be completed for the AP exam portfolio. It is mandatory that the student work the entire school year producing artwork and submit a portfolio to the AP board in May. Students that score a 3 or higher out of a possible 6 will receive college credit. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Grade: 11-12

Fee: \$100, plus AP Exam Fee

Type of Credit: Fine Arts or Elective

AP Studio Art Drawing Portfolio II

Course Number: 020050 A/B

Length: 1 Year

No. of Credits: *2 credits (1 credit/semester)

Prerequisite: Art 4, Honors Art or instructor approval

Grade: 11-12

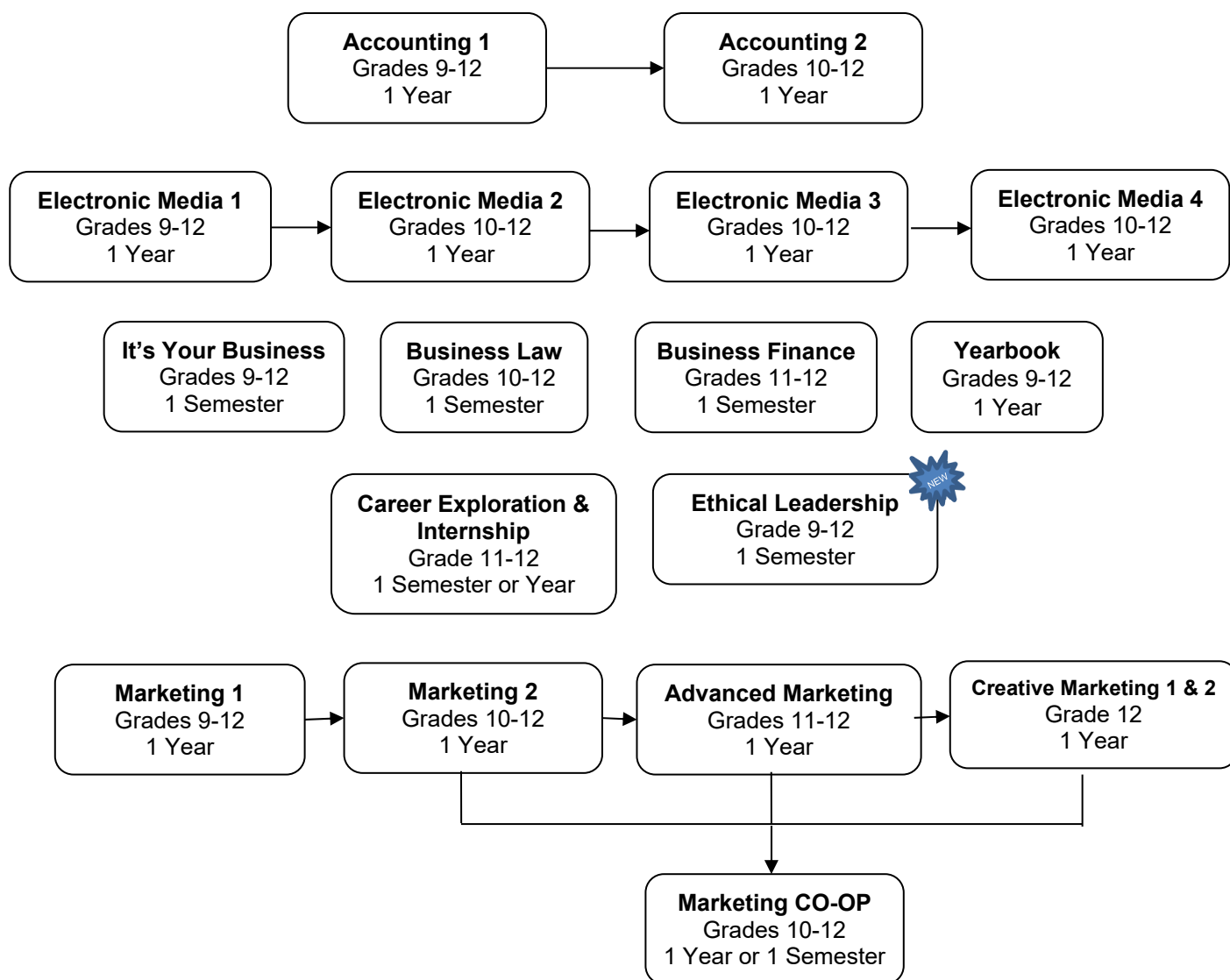
Fee: \$100, plus AP Exam Fee

Type of Credit: Fine Arts or Elective

Notes: Students in this AP class are strongly encouraged to take the AP exam.

Description: This is a year-long, college-level class which requires dedication by the student in spending equal amounts of time inside and outside the classroom in art production. Students will work in the summer and the entire school year producing artwork for a portfolio. The AP Drawing Portfolio should demonstrate the student's mastery of drawing through a variety of approaches and media, with an emphasis on observational drawing. Value, line quality, composition, mark making, and the illusion of depth will be addressed in the 24 to 29 works completed for the AP exam portfolio. It is mandatory that the student work the entire school year producing artwork and submit a portfolio to the AP board in May. Students that score a 3 or higher out of a possible 6 will receive college credit. ***If credit for the level 1 class was earned through an online class, the student will need to have instructor approval and/or portfolio review in order to be eligible for an advanced level course.***

Business & Marketing – Overview of Courses



Business & Marketing – Course Descriptions

Accounting 1 H

Course Number: 031000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Description: Whether college-bound or going directly into the business world, this course is for anyone interested in learning the “language of business.” Students will perform manual as well as computerized accounting activities. Topics may include transaction analysis, worksheet and financial statement preparation, accounting for sole proprietorships, partnerships and corporations, special journals, and payroll systems. Periodic job simulation projects will provide realistic job experiences. **Accounting is the backbone of successful business practices and is highly encouraged for students who may be considering a degree in business or marketing. FBLA participation is strongly encouraged.**

Grade: 9-12

Fee: \$25

Type of Credit: Core Elective

Accounting 2 H

Course Number: 031005 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Accounting 1

Description: This course is a continuation of Accounting 1 for college-bound or career-oriented students. Students will use computerized accounting programs while learning advanced accounting concepts including accounting for partnerships and corporations, divisions and systems within a company, accounting for non-profit organizations, uncollectible accounts, depreciation, and financial analysis and interpretation. **FBLA participation is strongly encouraged.**

Grade: 10-12

Fee: \$25

Type of Credit: Core Elective

Business Finance 1 H

Course Number: 034605

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: In this semester long course students will learn to better prepare for their business and personal financial futures. Business topics may include computing employee gross and net income; maintaining financial accounts and records; calculating sales and income tax; analyzing the cost of credit and loans; buying, leasing, and insuring buildings and vehicles; evaluating technology costs; outsourcing of work; researching various forms of investments; and maintaining a competitive edge in a global market. Students will apply concepts and skills to real-life situations as they relate to businesses, consumers, and the economy. **FBLA participation is strongly encouraged.**

Grade: 11-12

Fee: None

Type of Credit: Core Elective

Business Law 1 H

Course Number: 033300

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: In our private enterprise economy, the relationship of business, government, and individuals can be very complex. This course gives the student a broad knowledge base of how our legal system began, how it has evolved, and what might influence its future development. Topics may include: The Constitution, Ethics in law, Crimes and torts, Laws for special groups, making binding agreements, Contracts for buying and selling goods. **FBLA participation is strongly encouraged.**

Grade: 10-12

Fee: None

Type of Credit: Elective

Career Exploration & Internship

Course Number: 191132
Length: 1 Semester or 1 Year
No. of Credits: 1 credit
Prerequisite: None

Grade: 11-12
Fee: None
Type of Credit: Elective

Description: The Career Exploration and Internship course is designed to support students in the development of job skills, exploration of potential career interests and practical experiences in the workplace. Students will complete career inventories and assessments, research potential careers, and spend time with professionals in various industries. **Students are responsible for finding and maintaining employment throughout the semester and must work a minimum of 120 hours over the course of the semester. Students must provide their own transportation to and from work. The course may be repeated for credit, but students may only have one section per semester. This class does not meet regularly.**

Electronic Media 1 (Talon Media)

Course Number: 191090 A/B
Length: 1 Year
No. of Credits: 2 credits (1 per semester)
Prerequisite: None

Grade: 9-12
Fee: \$25
Type of Credit: Elective

Description:

Students will learn and apply techniques of storytelling, and audio/video production and post-production. Students will learn and apply a variety of distribution methods. **Students are responsible for the production of the Talon Media website, accompanying podcasts and supporting video footage. Students will master the art of the interview, writing for publication, writing for broadcast, podcast scripting, audio editing, video editing and effects. Students will have the opportunity to earn industry recognized credentials in Adobe Premiere Pro. High professional standards are expected. Work time relies heavily on the ability to meet strict deadlines. Students can take this class for more than one year to gain experience and progress toward the top production leadership positions.**

Electronic Media 2 (Talon Media)

Course Number: 191095 A/B
Length: 1 Year
No. of Credits: 2 credits (1 per semester)
Prerequisite: Electronic Media 1

Grade: 10-12
Fee: \$25
Type of Credit: Elective

Description: Students will continue to expand their knowledge and use of techniques of storytelling, and audio/video production and post-production and distribution methods. **Emphasis is placed on increasing productivity and turn-around time for media submissions. Students will have the opportunity to earn industry recognized credentials in Adobe Premiere Pro. Students in this course are eligible to apply for editor positions.**

Electronic Media 3 (Talon Media)

Course Number: 191092 A/B
Length: 1 Year
No. of Credits: 2 credits (1 per semester)
Prerequisite: Electronic Media 1 and 2

Grade: 10-12
Fee: \$25
Type of Credit: Elective

Description: Students will continue to develop skills used in the production of advanced film production, including in the areas of electronic broadcast media, television, video production, and video announcements. Students will create documentary and narrative video productions and chronicle various school activities. In this higher-level course, students will provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways. **Students will have the opportunity to earn industry recognized credentials in Adobe Premiere Pro.**

Electronic Media 4 (Talon Media)

Course Number: 191093 A/B
Length: 1 Year
No. of Credits: 2 credits (1 per semester)
Prerequisite: Electronic Media 1 -3

Grade: 10-12
Fee: \$25
Type of Credit: Elective

Description: Students will continue to improve and demonstrate skills and techniques learned in previous Electronic Media courses, focusing on the area of advanced film production. Students will create higher level video productions showing creativity and proficiency and will continue to provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways. **Students will have the opportunity to earn industry recognized credentials in Adobe InDesign.**

Ethical Leadership H

Course Number: 191008

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 9-12

Fee: \$70

Type of Credit: Elective

Description: Students in the principles-based ethics course, Ethical Leadership, will be introduced to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students will apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. They will examine the concept of ethical leadership and strengthen their leadership and ethical decision-making skills through the planning, implementation, and evaluation of a class service-learning project. This course is part of CTE's Secondary Pathways and aligns to Business Administration Pathway Level 1.

It's Your Business: An Introduction H

Course Number: 030005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Description: This course introduces the student to the world of business, an area that affects each of us. Topics may include basic economics, credit, banking, insurance, consumerism, income tax, entrepreneurship, careers, and the stock market. **FBLA participation is strongly encouraged.**

Yearbook

Course Number: 054900 A/B

Length: 1 Year; may be repeated for credit

No. of Credits: 2 credits (1 per semester)

Prerequisite: Previous experience or approval of advisor (application required)

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Description: This class is responsible for the production of the school's yearbook. Students will learn various types of software involved in publishing as well as basic principles of journalism, publishing, photography, and layout design. **This class is responsible for the production of Pine Creek's award-winning yearbook, Talon. The class is run as much like a professional publication as possible. Staff members work in teams and specialize in certain areas of print production, such as writing, editing, computer layout and graphics, business management, and photography. Mandatory work time outside of class – including covering events, selling advertisements, and completing yearbook content -- is REQUIRED, and the ability to meet deadlines is a must. Yearbook staff members have the opportunity to take part in something truly special—the creative recording of history. Yearbooks are treasured mementos from high school days. The work is highly demanding, but the rewards are tremendous. Students can take this class for more than one year to gain experience and progress toward the top editorial positions. Students have the opportunity to earn an industry recognized certification in Adobe InDesign.**

MARKETING/DECA PROGRAM

Marketing 1/DECA *H*

Course Number: 040000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Description: Students are introduced to business and marketing by exploring such topics as promotion, selling, communication, leadership, human relations, and career opportunities including applications and interviews.

Grade: 9-12

Fee: \$70 DECA Local/State/National Dues

Type of Credit: Core Elective

Marketing 2/DECA *H*

Course Number: 040005 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Description: Students will increase knowledge and proficiency in the areas introduced in previous marketing courses.

Grade: 10-12

Fee: \$70 DECA Local/State/National Dues

Type of Credit: Elective

Advanced Marketing/DECA *H*

Course Number: 040010 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Description: Students will continue to build upon knowledge and skills learned in previous marketing courses. ***Students in this course receive an Industry Certification.***

Grade: 11-12

Fee: \$70 DECA Local/State/National Dues

Type of Credit: Core Elective

Creative Marketing 1/DECA *H*

Course Number: 040021

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Any marketing class.

Description: Students will explore the concepts of marketing management, advertising, promotion, and selling using basic marketing functions. ***This course is designed for students who have successfully completed three years of Marketing/DECA. Students in this course receive an Industry Certification.***

Grade: 12

Fee: \$70 DECA Local/State/National Dues

Type of Credit: Elective

Creative Marketing 2/DECA *H*

Course Number: 040026

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Creative Marketing/DECA 1

Description: Students will build upon their learning from previous marketing courses and will explore such topics as the advertising industry and the power of advertising, customer analysis, and marketing strategies including using the media. ***This course is designed for students who have successfully completed three years of Marketing/DECA. Students in this course receive an Industry Certification.***

Grade: 12

Fee: \$70 DECA Local/State/National Dues

Type of Credit: Elective

Marketing Co-op (On the Job Training)

Course Number (Year): 040055 A/B

Course Number (Semester): 040055

Length: 1 Year or 1 Semester

No. of Credits: 1 or 2 credits (1 credit per semester)

Prerequisite: None

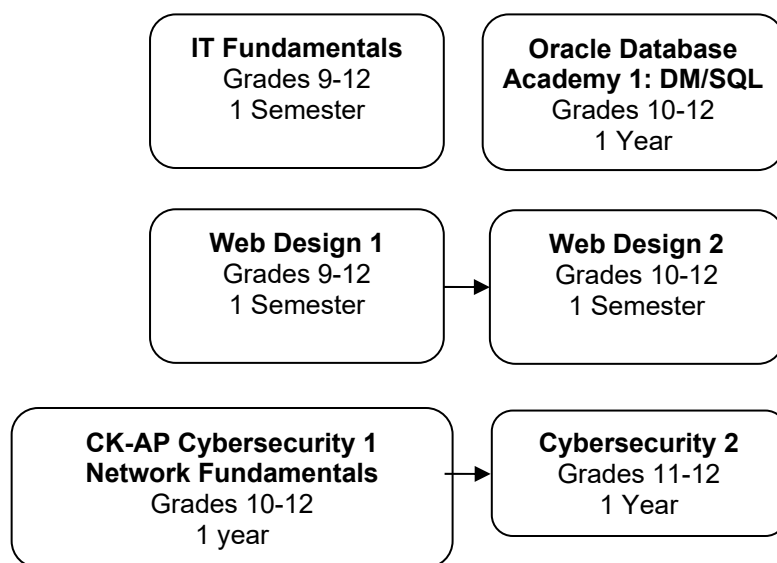
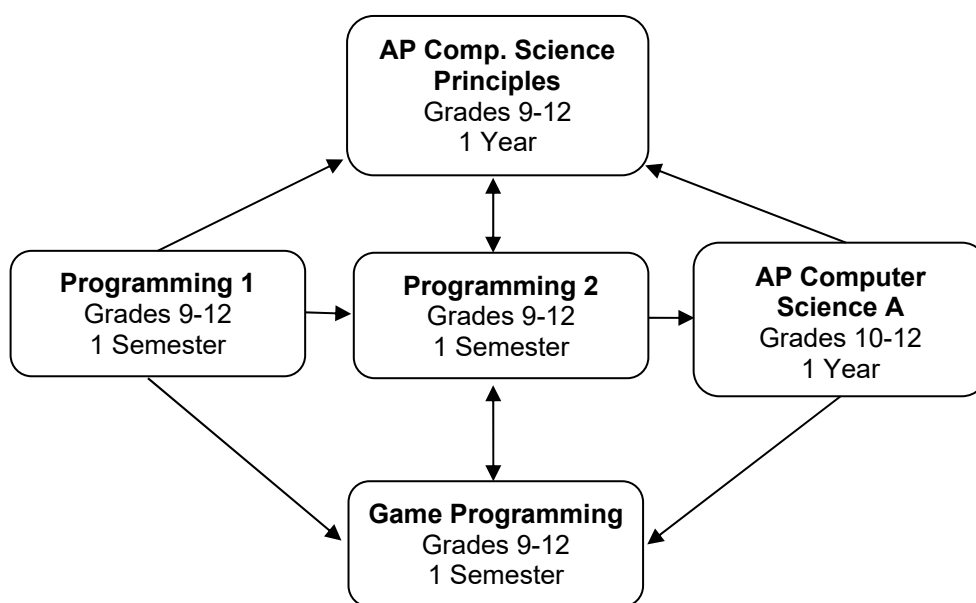
Description: Students will learn job-related skills via on-the-job training in a marketing related occupation.

Grade: 10-12

Fee: None

Type of Credit: Elective

Computer Science – Overview of Courses



Computer Science – Course Descriptions

AP Computer Science A *H*

Course Number: 160000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Successful completion of Programming 2 or instructor approval. Oracle Database Academy recommended, but not required.

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: This is a rigorous course in computer science that concentrates on object-oriented problem-solving techniques and programming style in Java. Topics include data structures, Java API classes, dynamic variable allocation, recursion, searching, sorting, and algorithm analysis. Successful students will be well prepared to sit for the Advanced Placement Computer Science exam in the spring. **This AP course exclusively focuses on coding in the Java programming language. Students will be evaluating and writing code every class period. At the end of the year, students will take the Certiport IT Specialist: Java professional certification exam.**

Grade: 10-12

Fee: \$20 and AP exam fee

Type of Credit: Core Elective

AP Computer Science Principles *H*

Course Number: 160015 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Successful completion of Programming 1, or coding submission that demonstrates proficiency in fundamental coding concepts (send submission to <mailto:denise.gardiner@asd20.org>).

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: This course introduces the essential ideas of computer science with a focus on how computing can impact the world. Along with the fundamentals of computing, students will learn to analyze data, information, or knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society. **Key concepts include the creative aspects of programming, algorithms, large data sets, the Internet, cybersecurity concerns, communication and collaboration, and the global impacts of computing and technology. Students will do a moderate amount of programming in this broad, multidisciplinary introductory AP course. At the end of the year, students may take the Certiport IT Specialist: Python professional certification exam.**

Grade: 9-12

Fee: \$20 and AP exam fee

Type of Credit: Core Elective

CK-AP Cybersecurity 1 Network Fundamentals *H*

Course Number: 169090 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Description: As the first course in the Cybersecurity Pathway, students completing Career Kickstart Cybersecurity 1 Networking Fundamentals will have the necessary foundation to pursue more advanced coursework. Students will explore the essential concepts of computer networking and security through the study of the Open-Systems Interconnect (OSI) Model. Students will learn how local and wide area networks operate, and develop skills to defend, maintain, and recover data over networks. Topics of study include network devices, topologies, data transport, network configuration, troubleshooting, threat identification, threat mitigation, network addressing, Internet protocols, and firewalls. Students may have opportunities for industry certification. **At the end of the year, students will take the Certiport IT Specialist: Networking professional certification exam.**

Grade: 10-12

Fee: \$125 and AP Exam Fee

Type of Credit: Core Elective

Cybersecurity 2

Course Number: 169085 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Cybersecurity 1

Description: Students will apply advanced concepts of data security, system administration, network administration, and programming to prevent cybersecurity attacks and mitigate cybersecurity threats in a test lab environment. Through critical thinking, investigation of real-world issues and practical exercises, students will refine cybersecurity skills while adhering to and modeling computer security ethics. **At the end of the year, students will take the Certiport IT Specialist: Cybersecurity professional certification exam.**

Grade: 11-12

Fee: \$20

Type of Credit: Core Elective

Game Programming H

Course Number: 163005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Programming 1 required. Programming 2 recommended, but not required.

Description: This instructor-facilitated course will teach students the fundamentals of game design and game programming. Using a variety of programming languages and environments, students will complete individual, small-group, and large-group projects. Game genres will include strategy games, puzzle games, sports games, arcade games, and role-playing games; no violent games will be created. The two-dimensional games will be primarily graphic or GUI-based, but console games may also be developed. **Programming 1 is a required prerequisite for Game Programming. Programming 1 must be completed before taking Game Programming.**

Grade: 9-12

Fee: \$10

Type of Credit: Elective

IT Fundamentals H

Course Number: 169020

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will attain knowledge essential to succeed as an Information Technology (IT) professional while using hands-on experiences, virtual machines and a variety of lab scenarios. Students will explore IT configurations, operating systems, basic networking concepts, component infrastructure, software development, and database fundamentals within the context of cybersecurity. Additionally, students will have the opportunity to pursue the ITF+ industry certification.

Grade: 9-12

Fee: \$10

Type of Credit: Elective

Oracle Database Academy 1: DM/SQL H

Course Number: 162035 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Description: This course prepares students for entry-level database jobs. Students will study the fundamentals of database theory and design. They will then apply this knowledge by creating, populating, and managing databases using the SQL programming language. Students will also be able to interact with IT professionals at both industry events and in the classroom setting. Successful students will be well prepared to sit for the Introduction to Oracle: SQL or Database Foundations certification exam. **At the end of the year, students will take the Certiport IT Specialist: Databases professional certification exam.**

Grade: 10-12

Fee: \$20

Type of Credit: Core Elective

Programming 1: C++ H

Course Number: 163015

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Algebra 1 or concurrently enrolled

Notes: This course may be taken for math or elective credit.

Description: The objective of this course is to teach problem-solving strategies and develop critical thinking skills by studying the fundamental principles of structured computer programming in C++. The student will develop algorithms and express them in top-down diagrams. Topics may include data types, variables, mathematical and logical operations, strings, character arrays, input, output, conditional statements, loop structures, and functions.

Grade: 9-12

Fee: \$10

Type of Credit: Core Elective

Programming 2: C++ H

Course Number: 163020

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Programming 1 or instructor approval

Notes: This course may be taken for math or elective credit.

Description: This course is a continuation of the principles of structural programming introduced in Programming 1. Topics may include loops, advanced use of functions, pointers, structures, data files, arrays, and an introduction to object-oriented programming.

Grade: 9-12

Fee: \$10

Type of Credit: Core Elective

Web Design 1 *H*

Course Number: 163025

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 9-12

Fee: \$10

Type of Credit: Elective

Description: Using industry standard software, this course introduces the fundamentals of web site design and implementation. Students study web aesthetics and intuitive interface design. The course emphasizes file organization and layout including tables and frames, and the creation of web-optimized image elements. Students will be introduced to basic HTML scripting.

Web Design 2 *H*

Course Number: 163030

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Web Design 1

Grade: 10-12

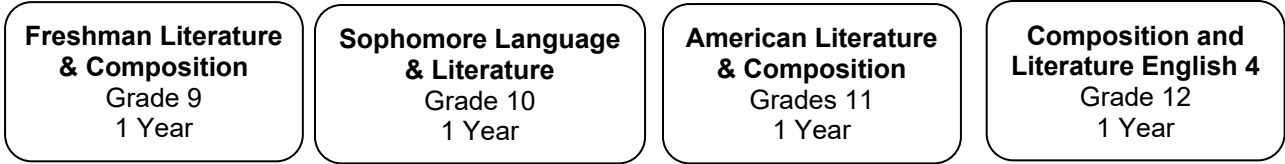
Fee: \$10

Type of Credit: Elective

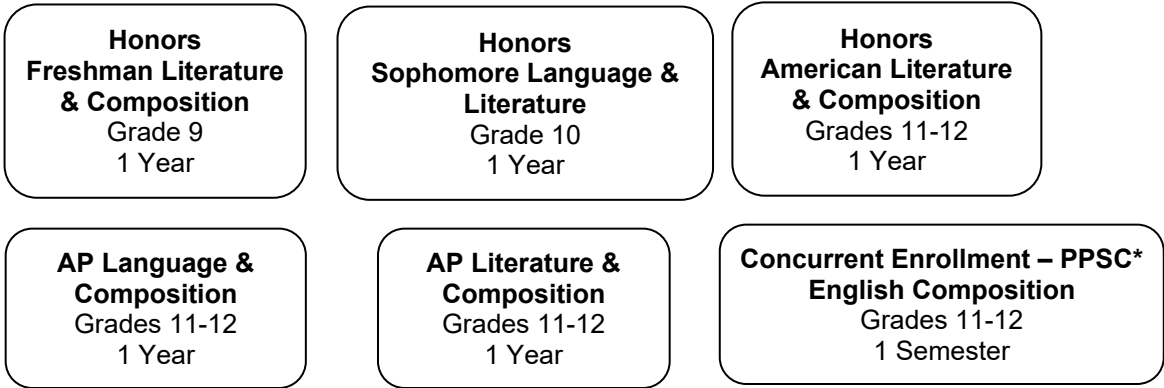
Description: This course expands on previously learned fundamentals of design and HTML. Color usage and interface design principles are emphasized in this course. Motion graphics for web will also be examined, as well as advanced design principles, site architecture and navigation for web sites that employ more complex structures. **At the end of the semester, students may take the Certiport IT Specialist: HTML and CSS professional certification exam.**

English – Overview of Courses

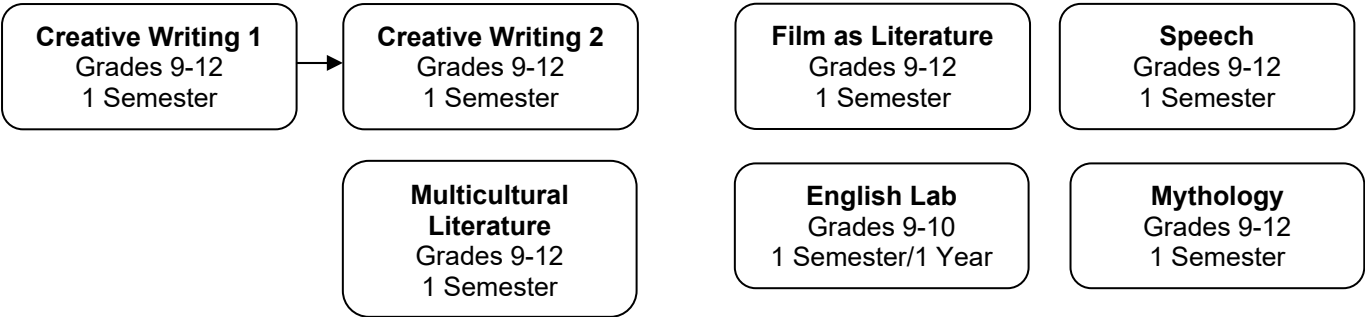
Core Courses



Honors & Advanced Placement (AP) Courses



Elective Courses



*Pikes Peak State College

English – Course Description

CORE COURSES

Freshman Literature and Composition ► *H/N*

Course Number: 053100 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: None

Notes: None

Grade: 9

Fee: None

Type of Credit: English

Description: This course emphasizes development of essential skills in reading, writing, speaking, listening, and vocabulary. ***This course, which will meet the English requirement for 9th grade, emphasizes the principles of grammar and composition, the study and analysis of topics in literature, and the continued development of vocabulary with an emphasis on Greek & Latin roots, and speech and spelling skills. Individual student research and creativity will be expressed through research projects. Literature studied includes a core text arranged according to genre and themes and two supplemental novels.***

Sophomore Language and Literature ► *H / N*

Course Number: 050057 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Freshman Literature and Composition or 1 year of English

Notes: None

Grade: 10

Fee: None

Type of Credit: English

Description: Students will deepen their understanding and appreciation of literature and language by exploring a variety of genres. Students will expand communication skills, strengthen research skills, and develop critical thinking and analytical skills by reading classic and contemporary literature, dramatic literature, and nonfiction in a variety of genres. ***At Pine Creek, this course meets the English requirement for 10th grade.***

American Literature and Composition ► *H/N*

Course Number: 053145 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Sophomore Language and Literature or 2 years of English

Grade: 11

Fee: None

Type of Credit: English

Description: This course emphasizes the study of American literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills. ***This course focuses on honing critical reading, writing, and thinking skills with an emphasis on analysis and persuasion. Students will write in a variety of modes including, but not limited to, analytical, persuasion, and research-based essays.***

Composition and Literature English 4 ► *H/N*

Course Number: 050025 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: American Literature and Composition or 3 years of English

Grade: 12

Fee: None

Type of Credit: English

Description: This class prepares seniors for freshman college English composition courses and introduces a spectrum of traditionally canonical literature with which college-bound students are expected to be familiar. Students will write analyses of literature as well as a variety of essays including narration, description, persuasion and exposition. ***Students will refine their writing, reading, critical thinking, and analysis skills through the study of a combination of literary genres. The literary focus of this class will be novels, short stories, poetry and a unit of Shakespeare. The writing for this course is an extension of those writing skills mastered through the eleventh grade and anticipates the analytical and persuasive writings students will need to do at the university level. This course fulfills the requirement for a fourth full year of high school English.***

HONORS & AP COURSES

Honors Freshman Literature and Composition ► *H/N*

Course Number: 053105 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Summer reading is mandatory. Students should obtain reading list before summer break.

Notes: Weighted grade status.

Description: This accelerated course is designed to engage students in higher order thinking skills and prepare them for the literature-based curricula in subsequent honors and AP classes. **Objectives for Honors Freshman English include those found in Freshman English, but at an accelerated pace and with substantially higher expectations for academic work ethic and student work quality. Composition, grammar, and literature activities and assignments are designed to develop upper-level skills in analysis, synthesis, and evaluation. Vocabulary with an emphasis on Greek and Latin roots will be taught in context with the literary selections, and research skills also will be emphasized. In addition to the study of inter-disciplinary topics in literature, students will be required to read a number of assigned classic novels and make class presentations on them.**

Grade: 9

Fee: None

Type of Credit: English

Honors Sophomore Language and Literature ► *H/N*

Course Number: 050058 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: 1 year of English.

Notes: Weighted grade status. Summer reading is mandatory. Students should obtain reading list before summer break.

Description: Students will deepen their understanding and appreciation of literature and language by exploring a variety of genres. Students will expand communication skills, strengthen research skills, and develop critical thinking and analytical skills by reading classic and contemporary literature, dramatic literature, and nonfiction in a variety of genres. Honors Sophomore Language and Literature will include additional texts, faster pacing, and more rigorous assessments. **At Pine Creek, this course meets the English requirement for 10th grade.**

Grade: 10

Fee: None

Type of Credit: English

Honors American Literature and Composition ► *H/N*

Course Number: 053150 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: 2 years of English.

Notes: Weighted grade status. Summer reading is mandatory. Students should obtain reading list before summer break.

Description: This accelerated course is designed to engage students in higher order thinking skills and prepare them for the literature-based curricula in subsequent honors and AP classes. The students will become familiar with the general periods of American literature through representative significant works. **This course includes the skill development and subject matter of American Literature and Composition but an accelerated pace and with substantially higher expectations for academic work ethic and student work quality. Students will also receive intensive college entrance exam (ACT, PSAT & SAT) preparation in reading comprehension, vocabulary and editing skills. Advanced, accelerated, and in-depth work is required together with a high level of motivation.**

Grade: 11-12

Fee: None

Type of Credit: English

AP English Language and Composition ► *H/N*

Course Number: 053175 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: 2 years of English.

Notes: Weighted grade status. Students in this AP class are strongly encouraged to take the AP exam. Summer reading is mandatory. Students should obtain reading list before summer break.

Description: The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively. At the conclusion of this course, students will be prepared for and expected to take the AP exam for potential college credit. This is a college course that emphasizes a study of rhetoric and both nonfiction and fiction writing and analysis. **This course will use non-fiction literature from a variety of cultures, eras, and styles as a foundation to prepare advanced, college-bound juniors and seniors to take the national Advanced Placement Language and Composition Exam. This course includes a study of rhetoric and argumentation.**

Grade: 11-12

Fee: AP exam fee

Type of Credit: English

AP English Literature and Composition ► *H/N*

Course Number: 054000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: 2 years of English.

Grade: 11-12

Fee: AP exam fee

Type of Credit: English

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam. Summer reading is mandatory. Students should obtain reading list before summer break.**

Description: At the conclusion of this course students will be prepared for and expected to take the AP exam for potential college credit. AP courses are not college preparatory – they are considered college-level courses. Students write about literature from a variety of perspectives and for a variety of audiences in preparation for a final exam that has the potential of earning them college credit. ***This course for advanced, college-bound students emphasizes college level literature and writing. Instruction will concentrate on critical and analytical thinking, reading, and writing in relation to units on short stories, plays, poetry, and novels. Some of these texts contain or allude to mature themes. Students enrolled in AP courses are expected to take the national exam.***

Concurrent Enrollment Courses (CE) for English Courses

Course Number: 191251 A/B

Length: 1 Semester

No. of Credits: 2 credits

Grade: 11-12

Fee: **See below

Type of Credit: varies per course / program

Please visit the [Academy D20 College & Career website](#) for an **accurate** list of programs and their corresponding course credits.

Prerequisite: Counselor/Administrative approval and application process

Notes: Weighted grade status. Must reapply every semester

Description: The Concurrent Enrollment Programs Act (CEPA) (CRS 22-35-101 et seq.) makes it possible for eligible students in grades 9 through 12 who are under the age of 21 and officially registered with Academy District 20 to simultaneously enroll in their local high schools and in qualified institutions of higher learning. Interested students must meet eligibility and application criteria as identified by the statute and further defined by the district. Students should see the high school curriculum guide and counseling office for specifics regarding eligibility and application requirements.

****Fees:** Tuition is paid by the District but student is responsible for class fees and books. Student may be responsible for reimbursement of fees if final course grade is below a C.

The courses below are suggested for 11th and 12th graders Only:

- **PPSC ENG 1021 English Composition I-** Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing. This is a statewide Guaranteed Transfer course in the GT-CO1 category.

Prerequisites:

Accuplacer Sentence Skills 095 and Accuplacer Reading Comp 080 or ACT English 18 and ACT Reading 17 or Accuplacer Next Gen Writing 246 or SAT EVIDENCE-BASED READ/WRIT 470 or Exempt College Comp & Read-CCR 092 or Exempt English 0077

- **PPSC ENG 1022 – English Composition II** - Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or argumentative compositions. This is a statewide Guaranteed Transfer course in the GT-CO2 category.

Prerequisites:

Prior College English 1021 or (ACT English 26 and ACT Reading 17) or (Undergraduate level [ENG 121](#) Minimum Grade of C or Undergraduate level [ENG 1021](#) Minimum Grade of C)

ELECTIVE COURSES

Creative Writing 1 ► H/N

Course Number: 054200

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: In this course, students will explore many writing genres. The goal of the course is to help students identify quality writing and to realize the importance of accurately observing and interpreting their surroundings, and **to improve each writer through practice and feedback from peers and the teacher. Professional and student writing will be read and discussed. Students will participate in writing each focus. Exploration of different genres of literature is encouraged in student work.**

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Creative Writing 2 ► H/N

Course Number: 054205

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Creative Writing 1

Description: This course is for students to continue to develop and advance existing creative writing skills with an emphasis on publication.

Grade: 9-12

Fee: None

Type of Credit: Core Elective

English Lab

Course Number: 051010 A and/or B

Length: 1 or 2 Semester(s)

No. of Credits: 2 credits (1 per semester)

Prerequisite: Teacher/Counselor Recommendation

Description: English Lab is a course designed to assist students with reading, writing, vocabulary, and related comprehension strategies. Instruction will concentrate on increased student ability, confidence, language skills, and organization. This course is also for students needing assistance in writing skills such as grammar, sentence structure, vocabulary, coherence, and appropriate word choice in order to meet the Colorado Academic Standards at their grade-level. Students would be concurrently enrolled in their grade-level English course. Enrollment will be for one semester with the capability of continuing more semesters as needed.

Grade: 9-10

Fee: None

Type of Credit: Core Elective

Film as Literature 1 H

Course Number: 053900

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Parent Permission Slip

Description: Through this course, students will analyze film as a record of human experience while focusing on the literary elements inherent in the film genre. **Students will analyze films for theme, plot, characterization, symbolism, and other literary aspects just as they would a written work.**

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Multicultural Literature H / N

Course Number: 059035

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: The goal of this course will be to familiarize students with the insights of historical and contemporary perspectives of the roles of minorities and women throughout history.

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Mythology *H / N*

Course Number: 053500

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Description: Students will study connections between classical myths and myths of modern culture. ***Students will read "ancient" myths from around the world, medieval hero tales, folk and fairy tales, and modern novels. The class will also compare modern "mythology" in the form of films. Students will analyze the importance of myth to all cultures, even our current, technology-driven society.***

Speech *H / N*

Course Number: 055000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 9-12

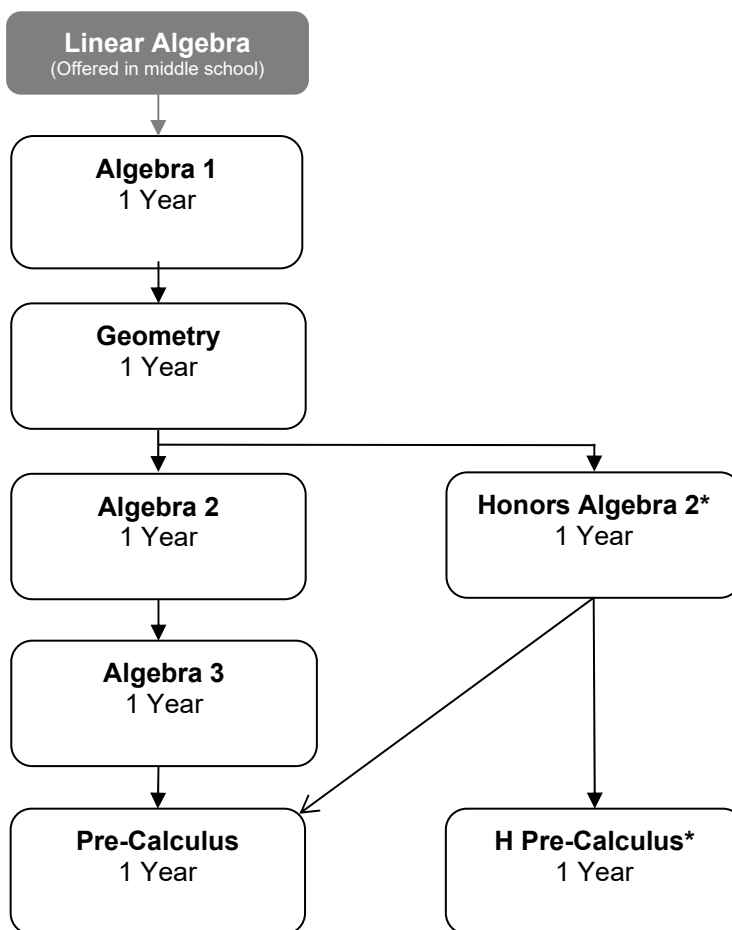
Fee: None

Type of Credit: Core Elective

Description: This course includes writing and delivering speeches for a variety of purposes. Students will develop communication and public speaking skills including audience analysis, organization, content, and delivery. ***This is a non-competitive speech class open to all students who would like to learn strategies for overcoming nervousness, anxiety or fear when speaking in front of an audience in a safe, supportive environment. Students will be exposed to informative, persuasive, and ceremonial speeches as well as impromptu speeches and a monologue. Students will have the opportunity to organize their ideas and express them in clear language, think clearly and accurately, and effectively use evidence and reasoning while delivering their message with a positive presence. They will also learn skills to help them become more effective listeners.***

Mathematics – Overview of Courses

Core Courses



Advanced Placement (AP)/Weighted Courses



Elective Courses



Graduation Requirement

All students must earn 6 credits of math. These credits must include Algebra 1 and Geometry in order to graduate from high school.

Math teacher and Counseling department will place students in appropriate math course.

**Weighted credit course*

Mathematics – Course Descriptions

A graphing calculator (TI-83/84) is required for most math courses.

CORE COURSES

Algebra 1 ► *H/N*

Course Number: 111100 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: None

Description: Topics consisting of analyzing and solving linear equations, pairs of simultaneous linear equations and functions will be further developed. Students will construct, compare, solve, and analyze linear, quadratic, and exponential functions and inequalities as well as perform arithmetic operations on polynomials. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Algebra 2 ► *H/N*

Course Number: 111200 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Geometry or equivalent

Notes: It is highly recommended that a C or better was earned in Algebra 1 & Geometry before taking this course.

Description: Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithms functions, as well as, matrices, complex numbers, sequences and series, probability and statistics, and trigonometry are presented. Graphing calculators will be used to promote understanding of advanced concepts and develop graphical and numeric solutions. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Algebra 3 ► *H/N*

Course Number: 111300 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Algebra 2 or equivalent

Notes:

Description: Algebra 3 reviews and strengthens topics covered in Algebra 2. Further study in trigonometric functions, sequences and series, and conic sections prepares students for success in precalculus.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Applied Algebra

Course Number: 111010 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Teacher recommendation.

Notes:

Description: Basic mathematical concepts are reviewed with the focus on strengthening computational and problem-solving skills. Integrating other fields of study into real-world applications helps create meaning for the students and will be emphasized. This course is designed to prepare students to be successful in Algebra I.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Applied Geometry

Course Number: 116000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Teacher recommendation.

Notes: Currently offered on an as needed basis. Satisfactory completion of this course satisfies the District 20 graduation requirement for Geometry.

Description: Basic geometric concepts are introduced with the focus on strengthening computational and problem-solving skills. Topics in two-dimensional and three-dimensional figures including lines, planes, angles, polygons, coordinate geometry, circles, and polyhedrons will be presented. Applications integrate algebraic concepts and use inductive and deductive reasoning to develop geometric proofs. Integrating other fields of study into real-world applications will be emphasized as it helps create meaning for students.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Geometry ► H / N

Course Number: 116010 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Algebra 1 or equivalent.

Notes:

Description: Topics consisting of Pythagorean Theorem, congruence and similarity will be further developed. Students will prove geometric theorems involving similarity, transformation, and congruence of two-dimensional and three-dimensional figures using inductive and deductive reasoning and constructions. Students will solve problems and model real-world situations involving two-dimensional and three-dimensional figures, trigonometric ratios, probability, and Personal Financial Literacy. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Pre-Calculus ► H / N

Course Number: 113000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Algebra 3 or equivalent

Notes: It is highly recommended that a C or better was earned in Algebra 3 before taking this course.

Description: Pre-Calculus builds upon topics covered in Algebra 2 and Algebra 3. Additional topics include analytical geometry, vectors, polar coordinates, and introductory calculus. Problems are linked to real-world applications with an emphasis on graphing, vocabulary, and technical writing. This course is designed to prepare students for calculus and college mathematics.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

HONORS, AP & WEIGHTED COURSES

Honors Algebra 2 ► *H/N*

Course Number: 111205 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Geometry or equivalent and teacher recommendation

Notes: Weighted grade status. **It is highly recommended that an A was earned in Algebra 1 & Geometry.**

Description: Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithms functions, as well as, matrices, complex numbers, sequences and series, probability and statistics, and trigonometry are presented. Graphing calculators will be used to promote understanding of advanced concepts and develop graphical and numeric solutions. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized. This course is designed to strengthen abstract reasoning and critical thinking skills. Strong performance in pre-requisite courses is essential to meet the increased expectations.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

Honors Pre-Calculus ► *H/N*

Course Number: 113005 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Minimum of Honors Algebra 2 or equivalent and teacher recommendation.

Notes: Weighted grade status. **It is highly recommended that a B or better was earned in Honors Algebra 2.**

Description: Topics in Algebra 2 are built upon and the additional topics of analytical geometry, vectors, polar coordinates, and introductory calculus are presented. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized. This course is designed to strengthen abstract reasoning and critical thinking skills as well as to prepare students for college mathematics and calculus. Strong performance in pre-requisite courses is essential to meet the increased expectations. This course may offer dual credit options whereby students can earn college as well as high school credit. Teachers customarily present this information early each semester if it is available. Student may also ask their teachers or counselors if such options exist.

Grade: NA, Pre-requisite dependent

Fee: None

Type of Credit: Math

AP Calculus AB ► *H/N*

Course Number: 113100 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Honors Pre-Calculus and teacher recommendation.

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: Advanced Placement Calculus AB builds upon algebraic and geometric principles covered in Pre-Calculus. Applications involve limits, differentiation, and integration tied to topic including related rates, graphical analysis, integral areas, and volumes of revolution. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus AB exam for college credit.

Grade: NA, Pre-requisite dependent

Fee: AP exam fee

Type of Credit: Math

AP Calculus BC ► *H/N*

Course Number: 113200 A/B

Length: 1 Year, daily 90-minute class

No. of Credits: 4 credits (2 per semester)

Prerequisite: Honors Pre-Calculus and teacher recommendation.

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: Advanced Placement Calculus BC builds upon algebraic and geometric principles covered in Pre-Calculus. This course covers all the topics in Advanced Placement Calculus AB with further investigation into vectors, parametric equations, infinite series, and differential equations. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus BC exam for college credit. Topics presented include business-based problems that require calculus-based solutions. Differential and integral calculus of algebraic, logarithmic, and exponential functions are presented, along with real-life mathematical business applications.

Grade: NA, Pre-requisite dependent

Fee: AP exam fee

Type of Credit: Math

AP Statistics ► *H* / *N*

Course Number: 117005 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Minimum of Algebra 3 or a B or higher in Algebra 2 and teacher recommendation.

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: Advanced Placement Statistics is a course that covers topics related to the collection, organization, and analysis of data. Topics include descriptive statistics, probability, simulation, binomial and normal distributions, hypothesis testing, and statistical inference. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement exam for potential college credit.

Grade: NA, Pre-requisite dependent

Fee: AP exam fee

Type of Credit: Math

Calculus 3: Multivariable ► *H* / *N*

Course No: 113900

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: Teacher Recommendation

Notes: Equivalent to one high school credit.

Course Description: This course is equivalent to a third semester college calculus course. Differential and integral calculus of several variables are the focal points of this college-level course which extends the advanced placement calculus experience to three dimensions, culminating in the calculus applications to physics with Stokes', Green's, and Gauss' Theorems.

Fee: Optional cost per UCCS

Non-refundable for current college credit

Type of Credit: Math

ELECTIVE COURSES

Consumer Math

Course Number: 115100 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Description: Consumer Math is a course designated to reinforce and integrate basic computational skills with real-life skills needed to become a careful and competent consumer. Topics include purchasing goods and services, investing money, checking and savings accounts, taxes, and dealing with the everyday mathematics of today's society.

Grade: 11-12

Fee: None

Type of Credit: Math or Core Elective

Statistics ► *H/N*

Course: 117000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Description: Statistical concepts to construct simple surveys and experiments will be used to analyze data. Basic statistics covers the collection, organization and analysis of data.

Covers elements of probability including combinations, permutations, counting methods and various probability distributions. Concepts involving descriptive and inferential statistics will be covered. The inferential portion of the class will cover confidence intervals, and hypothesis testing, culminating in a research project at the end of the semester.

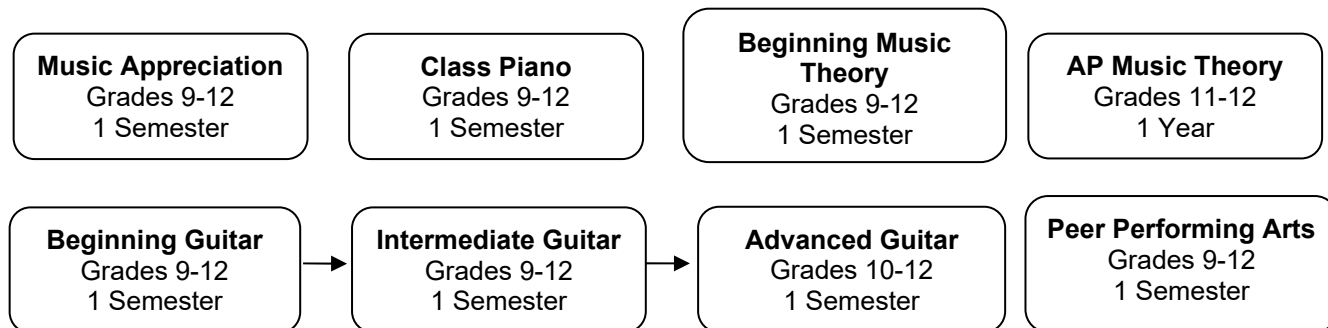
Grade: 11-12

Fee: None

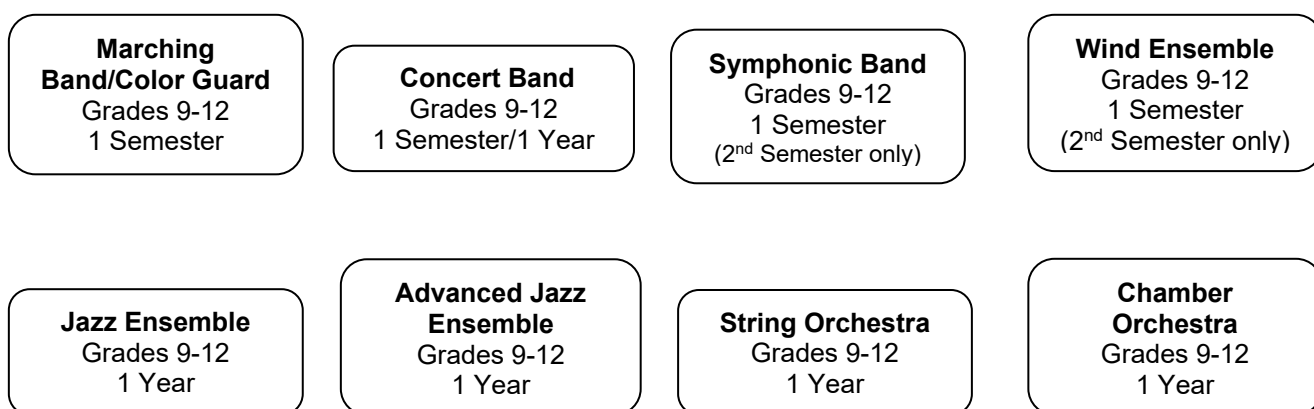
Type of Credit: Math or Core Elective

Performing Arts – Overview of Courses

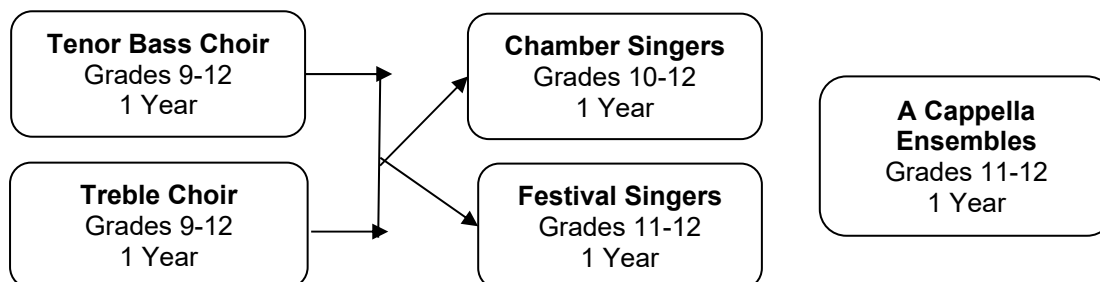
General Music



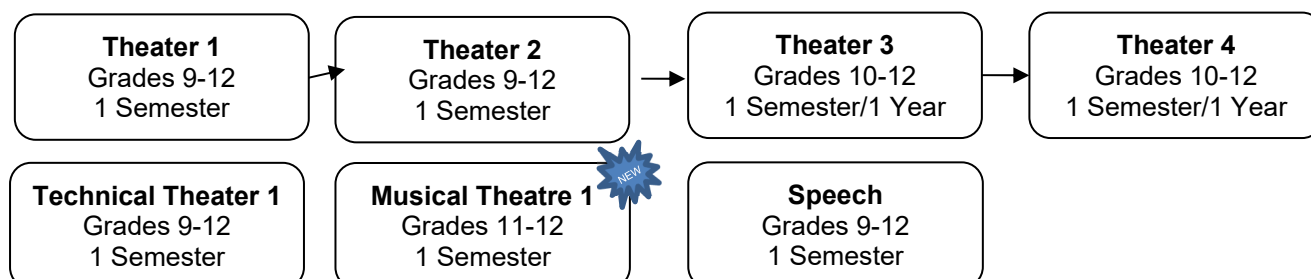
Instrumental Music



Vocal Music



Theater Arts



Performing Arts – Course Descriptions

GENERAL MUSIC

Advanced Guitar *H*

Course Number: 125010

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Instructor Approval Required and/or an A or B in Intermediate Guitar

Notes: Students must have an acoustic or electric guitar. This class may be repeated for fine arts or elective credit.

Description: This class is for students who have mastered the basics of guitar playing and music reading. New challenges in playing advanced level musical literature in a variety of styles are explored as an individual player and in ensembles. Students may choose to take this course for more than one semester as they continue to develop their skills. Students must purchase required texts and have their own acoustic guitar. **At Pine Creek, the focus of this course is acoustic guitar.**

Grade: 10-12

Fee: \$25

Type of Credit: Fine Arts or Elective

AP Music Theory *H*

Course Number: 123010 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Instructor approval

Description: This Advanced Placement course integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, and elementary music composition. Musicianship skills such as dictation, listening, sight singing, and keyboard harmony are an important part of this course. The student's ability to read and write musical notation is fundamental to this course. It is also assumed that the student has acquired at least basic performance skills in voice or on an instrument. This course will prepare students for the AP exam and college music school entrance exams.

Grade: 11-12

Fee: AP exam fee

Type of Credit: Fine Arts or Elective

Beginning Guitar *H*

Course Number: 125000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: Students must have an acoustic or electric guitar. This class may be repeated for fine arts or elective credit.

Description: This course is designed for beginning guitar students. The course will teach the fundamentals of music reading and beginning guitar techniques. Students will improve their understanding of music as they study a variety of musical styles and music from different cultures. Students must purchase the class text and have their own acoustic guitar. **At Pine Creek, the focus of this course is acoustic guitar.**

Grade: 9-12

Fee: \$25

Type of Credit: Fine Arts or Elective

Beginning Music Theory *H*

Course Number: 123000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: This class may be repeated for fine arts or elective credit.

Description: This course is a comprehensive introduction to the fundamentals of music, including music reading, ear training, harmonic writing, and keyboard harmony. It is of special interest to the potential college music major and career musician. **The student's ability to read and write musical notation is fundamental to this course. It is also assumed that the student has acquired at least basic performance skills in voice or on an instrument.**

Grade: 9-12

Fee: None

Type of Credit: Fine Arts or Elective

Class Piano

Course Number: 125805

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: This class may be repeated for fine arts or elective credit.

Description: This class is for anyone who wants to or already plays the piano. It is open to all students, from beginner to advanced levels. This course will provide students with basic and advanced piano skills in conjunction with a fundamental knowledge of basic and advanced music theory. Through studies in this class, students will learn to read music notation, develop the hand-eye coordination needed to play the piano, and be introduced to beginning piano repertoire. Students who come into the class as advanced will learn upper-level music. By studying the piano, students will have an educational experience that provides a multi-sensory focus and a new opportunity for social and emotional expression. The class will be based on individual study and practice. The class will cover all aspects of music, including theory, performance practices, composition and more.

Grade: 9-12

Fee: \$20

Type of Credit: Fine Arts or Elective

Intermediate Guitar H

Course Number: 125005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Instructor Approval Required and/or an A or B in Beginning Guitar.

Notes: Students must have an acoustic or electric guitar. This class may be repeated for fine arts or elective credit.

Description: This course builds on the fundamentals of music reading and beginning guitar techniques learned in Beginning Guitar. Students will continue to improve their musical understanding and playing skills as they study music from a variety of styles and cultures. Students must purchase their own copy of the class text and have an acoustic guitar. **At Pine Creek, the focus of this course is acoustic guitar.**

Grade: 9-12

Fee: \$25

Type of Credit: Fine Arts or Elective

Music Appreciation H

Course Number: 127000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: This class may be repeated for fine arts or elective credit.

Description: Music Appreciation is an exploratory music class that covers many types of music, including, but not limited to, Baroque, Classical, Jazz, Latin and Rock styles. Students in this class have the opportunity to listen to music, watch videos, and perform presentations in class, on music that they enjoy. This class is open to anyone who likes music and desires to learn more about how today's music evolved from the music of previous eras.

Grade: 9-12

Fee: None

Type of Credit: Fine Arts or Elective

Peer Performing Arts H

Course Number: 129020

Length: 1 Semester

Prerequisite: Instructor Approval

Notes: This class may be repeated for fine arts or elective credit.

Description: This course is designed for students who require individualized instruction in performing arts classes, which could include band, choir, dance, and/or theatre. Students will improve their creative skills through vocal and physical warmups, performance preparation, creative play, and other arts experiences. Students will focus on improving and maintaining arts skills and will develop an awareness for lifelong arts appreciation. Peer Partners will fully participate in all activities with their peers.

Grade: 9-12

Fee: None

Type of Credit: Fine Arts or Elective

INSTRUMENTAL MUSIC

Advanced Jazz Ensemble H

Course Number: 125040 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: By audition only

Notes: This class may be repeated for fine arts or elective credit.

Description: Advanced jazz band students learn and perform the music styles associated with jazz and improvisation. Instrumentation is that of the standard jazz big band. Performances and sectional rehearsals scheduled outside the regular school day are required. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: \$80 + Performance Attire

Type of Credit: Fine Arts or Elective

Chamber Orchestra H

Course Number: 125400 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: By audition only

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will practice and perform a variety of music to improve their musical knowledge and performance skills, and will be prepared to participate in public performances, school performances, school assemblies, and events. NOTE: This is the auditioned string ensemble for orchestra. This group will play more challenging literature and may travel. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: \$80 + Performance Attire

Type of Credit: Fine Arts or Elective

Concert Band H

Course Number: 125015 A/B

Length: 1 Year

No. of Credits: Fall and Spring (1 credit per semester)

Prerequisite: None

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events. This course will be divided into Concert Band and Symphonic Band during auditions.

Grade: 9-12

Fee: \$80

Type of Credit: Fine Arts or Elective

Jazz Ensemble H

Course Number: 125035 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: By audition only

Notes: This class may be repeated for fine arts or elective credit.

Description: Jazz band students learn and perform the music styles associated with jazz and improvisation. Instrumentation is that of the standard jazz big band. Performance and sectional rehearsals scheduled outside the regular school day are required. Students will be expected to participate in public performances, assemblies, and school events. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: \$80 + Performance Attire

Type of Credit: Fine Arts or Elective

Marching Band / Color Guard H

Course Number: 125025

Length: 1 Semester (Fall Only). Students must also take 2nd semester concert ensemble.

Fee: \$350

No. of Credits: 1 credit

Prerequisite: Instructor Approval

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Students will learn to march while they play their band instruments or perform in the color guard. Students have the opportunity to develop leadership skills through auditions for student leaders. Rehearsals outside of the regular school day are required. Students will have to memorize their music and drill for all performances. Attendance is required at summer band camp. At the conclusion of the Marching Band season, students begin rehearsing concert band material.

Grade: 9-12

Type of Credit: Fine Arts or Elective

String Orchestra H

Course Number: 125050 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school performances, school assemblies, and events.

Grade: 9-12

Fee: \$80

Type of Credit: Fine Arts or Elective

Symphonic Band H

Course Number: 125055B

Length: 1 Semester (2nd semester only). Students must also take Semester 1 Marching Band or Semester 1 Concert Band

No. of Credits: 1 credit

Prerequisite: Audition only

Notes: This is the auditioned concert ensemble for band. This group will play more challenging literature and will travel. Students must also take either Concert Band (Semester 1) or Marching Band (Semester 1).

Description: Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: \$80 + Performance Attire

Type of Credit: Fine Arts or Elective

Wind Ensemble H

Course Number: 125060B

Length: 1 Semester (2nd semester only). Students must also take Semester 1 Marching Band or Semester 1 Concert Band

No. of Credits: 1 credit

Prerequisite: Audition only

Notes: This is the auditioned concert ensemble for band. This group will play more challenging literature and will travel. Students must also take either Concert Band (Semester 1) or Marching Band (Semester 1).

Description: Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: \$80 + Performance Attire

Type of Credit: Fine Arts or Elective

VOCAL MUSIC

A Cappella Ensembles

Course Number: 124001 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: By audition only

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will practice and perform modern music arrangements in a contemporary a cappella style. **Students are required to purchase performance attire.**

Grade: 11-12

Fee: Performance Attire required

Type of Credit: Fine Arts or Elective

Chamber Singers

Course Number: 124005 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: By audition only

Notes: This class may be repeated for fine arts or elective credit.

Description: The Chamber Singers is a disciplined group that performs music from the Renaissance to challenging contemporary choral works. Dedication and commitment are an important part of this group. Chamber singers perform at school and community events as well as universities and state competitions. Students are asked to put in outside practice time. **Students are required to purchase performance attire.**

Grade: 10-12

Fee: Performance Attire required

Type of Credit: Fine Arts or Elective

Festival Singers

Course Number: 124015 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: By audition only

Notes: This class may be repeated for fine arts or elective credit.

Description: The Festival Singers is an advanced vocal group which performs music from the Renaissance to challenging contemporary choral works. Dedication and commitment are an important part of this group. Festival singers perform at school and community events as well as festivals and competitions. Students are asked to put in outside practice time. **Students are required to purchase performance attire.**

Grade: 11-12

Fee: Performance Attire required

Type of Credit: Fine Arts or Elective

Tenor Bass Choir

Course Number: 124026 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will develop vocal technique while studying standard musical literature in a variety of popular and traditional genres. Students will develop performance-level skills necessary to participate and perform in a vocal ensemble. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: Performance Attire required

Type of Credit: Fine Arts or Elective

Treble Choir

Course Number: 124041 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Notes: This class may be repeated for fine arts or elective credit.

Description: Students will develop vocal technique while studying standard musical literature in a variety of popular and traditional genres. Students will develop performance-level skills necessary to participate and perform in a choir. **Students are required to purchase performance attire.**

Grade: 9-12

Fee: Performance Attire required

Type of Credit: Fine Arts or Elective

THEATER ARTS

Technical Theatre 1 *H*

Course Number: 056615

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Teacher Recommendation

Notes: This class may be repeated for fine arts or elective credit.

Description: Students are introduced to the backstage operations of a theatre and will gain foundational knowledge of the elements and requirements of stage management. ***This course is designed for students who are interested in in-depth backstage activities. Technical theater affords students an opportunity to study technical areas such as set building, artistic painting, costuming, props, and publicity. Students will design and build essential elements of the Performing Arts Departments' productions. Students are required to participate in the theatre production after school throughout the semester.***

Grade: 9-12

Fee: None

Type of Credit: Fine Arts or Elective

Theatre 1 *H*

Course Number: 056625

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will learn and apply fundamentals of theatre performance and production including lexicon/terms, improvisation and pantomime, voice control, character analysis, and stage movement and blocking. ***This beginning theatre course introduces and provides experience in a variety of aspects of theatre arts. It explores the basic foundation of improvisation and acting through games and groups activities. Students also collaborate to create and perform original pieces. Additionally, students will gain an introductory knowledge of theatre history and multiple forms of theatrical performance and how aspects from ancient theatre have been incorporated into modern entertainment both on stage and screen.***

Grade: 9-12

Fee: None

Type of Credit: Fine Arts or Elective

Theatre 2 *H*

Course Number: 056630

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Students will increase their knowledge and skill in the areas of improvisation, pantomime, stage movement, characterization, and voice control. Students will be introduced to additional topics including stage directions, philosophies of blocking, and production critique, ***as well as determining objectives and obstacles and creating character backstories. Students will perform monologues, scenes, and a class project at the end of the semester.***

Grade: 9-12

Fee: None

Type of Credit: Fine Arts or Elective

Theatre 3: Advanced Acting *H*

Course Number: 056635 A/B

Length: 1 Semester or 1 Year

No. of Credits: 1 credit

Prerequisite: Theater 2 or Teacher Recommendation

Notes: This class may be repeated for credit.

Description: Students will refine their skills in the areas of improvisation, pantomime, stage movement, characterization, and voice control as they develop performance techniques. ***Students will work to develop aspects of the verbal and physical skills that make a performance more realistic. A performance showcase will be held at the end of the semester.***

Grade: 10-12

Fee: None

Type of Credit: Fine Arts or Elective

Theatre 4: Directing *H*

Course Number: 056640 A/B

Length: 1 Semester or 1 Year

No. of Credits: 1 credit

Prerequisite: Theatre 3 or Teacher Recommendation

Notes: This class may be repeated for credit.

Description: Students will develop techniques of directing including script analysis and editing, auditions and casting, productive rehearsals, and performance. ***Students will work with students in Theatre 3 to gain experience creating their vision for selected pieces with student actors.***

Grade: 10-12

Fee: None

Type of Credit: Fine Arts or Elective

Musical Theatre 1 *H*



Course Number: 120005 (Adv Music/Theatre/Dance)

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 year of Choir AND Theatre 1 and 2, OR Teacher Recommendation

Grade: 11-12

Fee: None

Type of Credit: Fine Arts or Elective

Description: Students cover fundamentals in several areas including: basic vocal skills and techniques, stage presence/delivery, basic acting and improvisation skills, monologues, character development/character analysis, and dance skills in tap, ballet, and jazz. Students will need to furnish their own dance shoes and wear comfortable clothing for dancing and theater classes. **Students will study several musicals during the course of the semester by reading the libretto, listening to the Broadway CD, and watching DVD's of musical productions. Units will include history of musical theatre in the US and then acting, singing, and/or dancing numbers from selected shows they have studied or other musicals of their choice. Dance skills may vary.**

Speech *H/N*

Course Number: 055000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 9-12

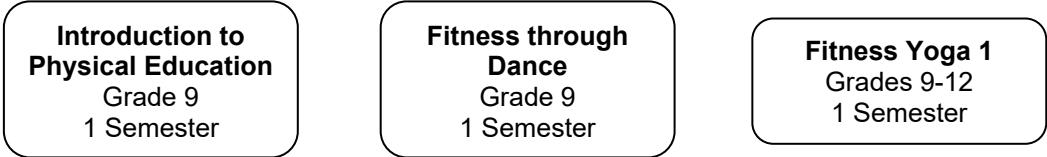
Fee: None

Type of Credit: Core Elective

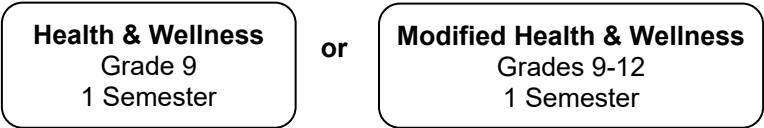
Description: This course includes writing and delivering speeches for a variety of purposes. Students will develop communication and public speaking skills including audience analysis, organization, content, and delivery. ***This is a non-competitive speech class open to all students who would like to learn strategies for overcoming nervousness, anxiety or fear when speaking in front of an audience in a safe, supportive environment. Students will be exposed to informative, persuasive, and ceremonial speeches as well as impromptu speeches and a monologue. Students will have the opportunity to organize their ideas and express them in clear language, think clearly and accurately, and effectively use evidence and reasoning while delivering their message with a positive presence. They will also learn skills to help them become more effective listeners.***

Physical Education – Overview of Courses

Course Options for Freshmen



Required Health Class for Graduation*



Course Options for Grades 10-12



Physical Education – Course Descriptions

Basketball for Shooting Stars

Course Number: 083405

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE and instructor approval; must be able to demonstrate proficiency in basketball skills.

Notes: Will need basketball shoes for this class.

Description: This course is designed for the sincere hoopster. Individual fundamental skills, screening techniques, and various offensive and defensive systems are taught under intensive conditions. Students must want to learn, work hard, and improve your game.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Fitness through Dance

Course Number: 083310

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes:

Description: This class will explore fitness through dance. It may include the following dance styles: aerobic, country, folk, modern/jazz, hula, hip hop and ballet. During the semester students will dance to their favorite music as well as be exposed to a variety of new sounds. In addition, students may have the opportunity to observe dance performances and learn to appreciate the different styles of choreography.

Grade: 9

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Fitness Yoga 1

Course Number: 083015

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 Semester of PE

Notes: This class may be repeated for credit as space allows.

Description: This class is for athletes as well as non-athletes. It will include the following activities: yoga, Pilates, walking, hiking, low impact aerobics, and relaxation.

Grade: 9-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Fitness Yoga 2

Course Number: 083016

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Fitness Yoga 1 or Teacher Recommendation.

Notes: This class may be repeated for credit as space allows.

Description: This class is for athletes as well as non-athletes. It will include the following activities: yoga, Pilates, walking, hiking, low impact aerobics, and relaxation.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Health and Wellness

Course Number: 081000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: Required Course

Description: Health and Wellness is a graduation requirement for Academy District 20 and is to be taken during the freshman year. Students will be introduced to the social, physical, mental and emotional aspects of healthy lifestyles. This course includes human sexuality.

Grade: 9

Fee: None

Type of Credit: Health

Introduction to Physical Education

Course Number: 080000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: None

Description: This is a recommended freshman class in which the student will assess personal fitness status in terms of cardiovascular endurance, muscular strength and endurance, and flexibility. Students will be introduced to various team and aquatic (where facilities are available) activities on the introductory level.

Grade: 9

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Lifelong Team Sports 1

Course Number: 083800

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 Semester of PE

Notes: This class may be repeated for credit as space allows.

Description: The learner will demonstrate the fundamentals and basic skills in many of the following recreational activities: basketball, flag football, floor hockey, soccer, softball, team handball and volleyball. The learner will participate cooperatively and ethically when in competitive physical activities. Conditioning and fitness through various activities will be required.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Modified Health and Wellness

Course Number: 081005

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Health and Wellness or Modified Health and Wellness is a graduation requirement for Academy District 20 and is to be taken during the freshman year. Students will be introduced to the social, physical, mental, and emotional aspects of healthy lifestyles. This course excludes human sexuality. **Students who transfer to Pine Creek after freshmen year may also choose to take this class.**

Grade: 9-12

Fee: None

Type of Credit: Health

Power Volleyball

Course Number: 083410

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE; must be able to demonstrate proficiency in volleyball skills.

Description: This course is designed for the student with strong basic volleyball skills. The course concentrates on competitive skills, techniques, and strategies. The course will include indoor and outdoor play with various offensive and defensive systems.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Racquet Sports 1

Course Number: 083525

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE

Notes:

Description: The student will demonstrate fundamentals of tennis, badminton, table tennis, racquet ball and pickle ball. These activities will enhance eye/hand coordination, agility, quickness, flexibility, and mental strategies. Conditioning and fitness will be included through various game and aerobic activities. **PCHS does not teach racquetball.**

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Rocky Mountain High 1

Course Number: 083600

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE

Notes: Student must be able provide transportation to Liberty High School and Air Academy High School. This class may be repeated for credit as space allows.

Description: This class offers different activities that are geared to enhance the student's self-confidence, social awareness, problem solving, and leadership potential. The activities may include team-building initiatives, low and high ropes course elements, climbing, rappelling, belaying, and orienteering. Students may be required to keep a journal for the class.

Grade: 11-12

Fee: \$15 & \$10 for PE Shirt

Type of Credit: PE or Elective

Speed Training

Course Number: 083230

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE / Compete in a Pine Creek Sport and Teacher Recommendation

Notes: This class may be repeated for credit as space allows.

Description: This course will develop students' aerobic/anaerobic conditioning and will include lower body strength training. Overall goal of this course is to improve student's explosion and lower body strength through a variety of activities. Students will participate in a variety of plyometric exercises, cone drills, ladder drills, lower body strength training which will include various core workouts (muscular strength and muscular endurance), conditioning exercises (cardiovascular endurance). **At Pine Creek, this class is a ZERO HOUR class that meets before the traditional school day on a daily basis.**

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Weights and Fitness 1

Course Number: 083215

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE

Notes: This class may be repeated for credit as space allows.

Description: This class will focus on activities to enhance physical fitness: strength, speed and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weights program combined with supplemental lifts and exercises, is the basis of the class. Running, ply metric, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific exercises to enhance muscular development are included.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Weights and Fitness 2

Course Number: 083220

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Weights and Fitness 1, Women Weight and Fitness or Teacher Recommendation

Notes: This class may be repeated for credit as space allows.

Description: This class continues to build on the foundation established in Weight and Fitness 1. Strength training, utilizing an advanced weights program combined with supplemental lifts and exercises, is the basis of the class. Running, plyometrics, agility and flexibility work, and speed development activities will continue to be utilized.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Women Weight and Fitness

Course Number: 083225

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: 1 semester of PE

Notes: This class may be repeated for credit as space allows.

Description: This class will focus on activities to enhance physical fitness: strength, speed, and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weights program combined with supplemental lifts and exercises, is the basis of the class. Running, plyometrics, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific exercises to enhance muscular development are included.

Grade: 10-12

Fee: \$10 for PE Shirt

Type of Credit: PE or Elective

Aquatic Sports and Conditioning

Course Number: 083100

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: The ability to swim

Description: This class will include swimming instruction, aquatic sports, aquatic games, conditioning in and out of the pool, and aerobics.

Grade: 10-12

Fee: None

Type of Credit: PE or Elective

Lifeguard Training

Course Number: 082800

Length: 1 Semester
will retain

No. of Credits: 1 credit

Prerequisite: Students must be 15 years old and PASS a swimming test

Description: Students must be at least 15 years old. There will be an entry-level swimming test. There will be a Red Cross fee for books that students will retain. Upon successful completion of the course, students will receive Red Cross certification in Lifeguard Training and CPR for the professional rescuer.

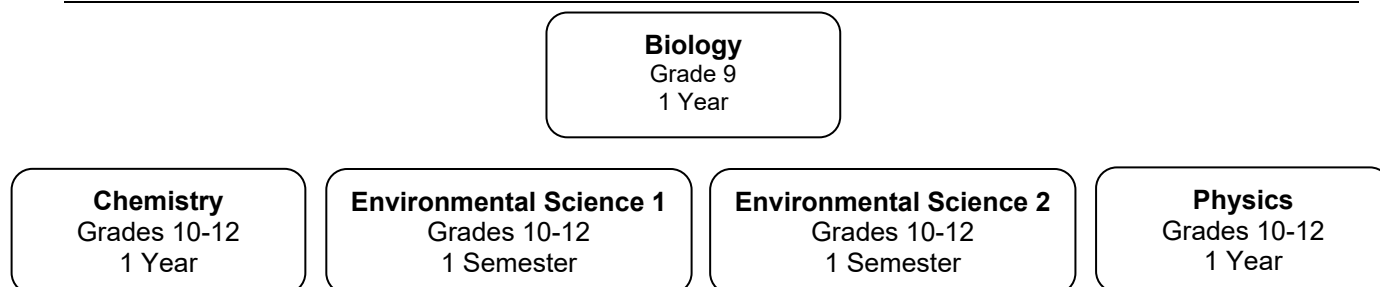
Grade: 10-12

Fee: \$65 Red Cross fee for supplies that students

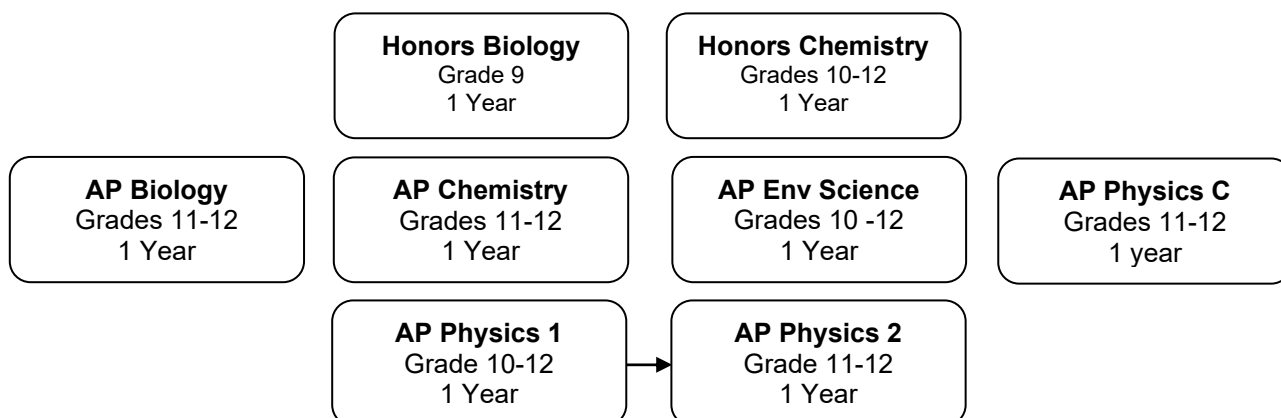
Type of Credit: PE or Elective

Science – Course Overview

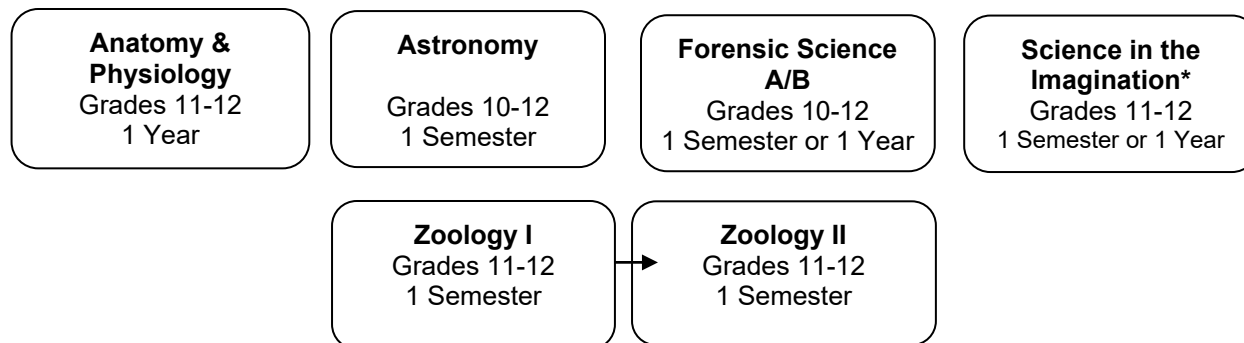
Core Courses



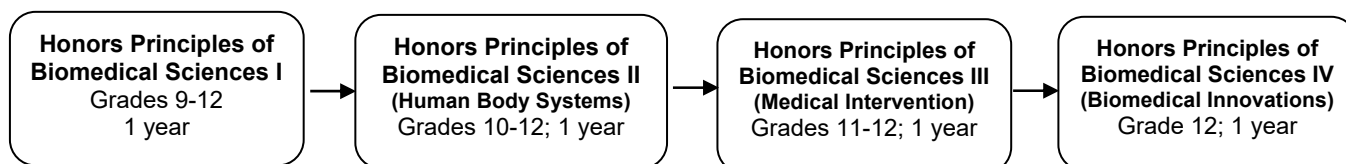
Honors & Advanced Placement (AP) Courses



Core Elective Courses



Project Lead the Way



Lab-based Science Courses: Many courses offered in the Science Department have laboratory components, but individual universities and programs recognize lab-based courses differently. Students are advised to check individual university websites for lab-based science requirements. *Courses marked with an asterisk are not recognized as lab-based by NCAA.

Science – Course Descriptions

CORE COURSES

Biology ► *H/N*

Course Number: 132015 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: None

Description: Biology provides crucial background in the life sciences arena. Topics covered include basic cell structure, function, and processes; genetics; microbiology; evolutionary concepts and trends; taxonomy of plants and animals (including dissection); basic vertebrate and invertebrate biology; basic ecology; and human biology. This course focuses on the world around us through a lab component.

Grade: 9

Fee: \$10

Type of Credit: Science or Core Elective

Chemistry ► *H/N*

Course Number: 133115 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite:

Biology/Honors Biology, and

Algebra 1 with a grade of C or higher

Description: Chemistry is the study of the properties, changes and interactions of matter. Topics covered include principles of chemical change, chemical formulas, equations and their application, atomic theory, the Periodic Table, acids and bases, phases of matter, solutions, thermodynamics, and nuclear reactions to meet standards. There is a significant laboratory component to this course as well as the ability to use mathematics to solve problems. ***Additionally, the topics of intermolecular forces and solution stoichiometry are also covered. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.***

Grade: 10-12

Fee: \$15

Type of Credit: Science or Core Elective

Environmental Science 1 ► *H/N*

Course Number: 132405

Length: Semester

No. of Credits: 1 credit

Prerequisite: Successful completion of Biology

Description: Environmental Science explores the natural world from an ecological and human point of view. Topics covered include types of ecosystems, non-living and living components of ecosystems (including plants, animals, bacteria, fungi, and single-celled organisms), interactions between the non-living and living components, population studies, geology, and animal behavior. In addition, this course also examines discussions on environmental law, economics, ethics, and how humans are impacting the natural world. Lab investigations, field studies, and research projects are undertaken to examine each topic.

Grade: 10-12

Fee: \$10

Type of Credit: Science or Core Elective

Environmental Science 2 ► *H/N*

Course Number: 132407

Length: Semester

No. of Credits: 1 credit

Prerequisite: Successful completion of Environmental Science 1

Description: Students will continue their study of environmental science and apply their understanding of topics learned in previous courses to lab investigations and field studies. The goal of Environmental Science 2 is to 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 which will include but not limited to: Pollution, Soil, Water, Atmosphere, Energy and Conservation. We'll use these topics to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Grade: 10-12

Fee: \$10

Type of Credit: Science or Core Elective

Physics ► *H/N*

Course Number: 133200 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite:

Geometry or concurrent enrollment in Algebra II, and
Biology/Honors Biology

Grade: 10-12

Fee: \$10

Type of Credit: Science or Core Elective

Description: Physics is a lab-based course that explores the science of matter and energy and the interactions between the two. Topics include kinematics, Newton's 3 laws of motion, momentum, energy, the principles of waves, light, magnetism, electricity, optics, and celestial mechanics. The ability to use mathematics to solve experimental problems is emphasized.

HONORS & AP COURSES

Honors Biology ► *H/N*

Course Number: 132020 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: None

Notes: Weighted grade status, recommend current enrollment of Geometry or higher.

Description: Honors Biology provides crucial background in the life sciences arena. Honors Biology studies all topics included in Biology. Students are exposed to advanced biology topics such as advances in biotechnology, bioethics, problems of ecological systems, plant tissue culture, and/or microbiology. Students are expected to work in an independent manner and complete the significant laboratory and writing component of this course. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.

Grade: 9-10, 11 with permission

Fee: \$15

Type of Credit: Science or Core Elective

Honors Chemistry ► *H/N*

Course Number: 133120 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite:

Biology/Honors Biology, and

Algebra 1 with grade of B or higher

Notes: Weighted grade status

Description: Honors Chemistry is the study of the properties, changes and interactions of matter. Topics covered include principles of chemical change, chemical formulas, equations and their application, atomic theory, the Periodic Table, acids and bases, phases of matter, solutions, and thermodynamics. Additionally, the topics of equilibrium, electrochemistry, organic chemistry are also covered. There is a significant laboratory component to this course and emphasis is placed on problem solving, analytical lab techniques, and scientific writing. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.

Grade: 10-12

Fee: \$15

Type of Credit: Science or Core Elective

AP Biology ► *H/N*

Course Number: 132025 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite:

Biology/Honors Biology, and

Chemistry/Honors Chemistry

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: AP Biology meets the objectives of a college level general biology course. Topics covered include molecular biology, genetics, evolution, animals, and plants. Tests are the major form of evaluation. This course has a lab component. At the conclusion of this course students will be prepared for and expected to take the Advanced Placement exam for potential college credit.

Grade: 11-12 (grade 10 with dept. approval)

Fee: \$20 course fee plus AP exam fee

Type of Credit: Science or Core Elective

AP Chemistry ► *H/N*

Course Number: 133125 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Successful completion of Chemistry or Honors Chemistry; Honors Chemistry recommended.

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: AP Chemistry is a problem-solving and lab-oriented class that meets the objectives of a college level general chemistry course. This course expands and amplifies concepts learned in high school chemistry and covers additional advanced topics and topics relevant to our technological society. Topics covered include structure of matter, states of matter, reactions, descriptive chemistry, and laboratory exploration. All students are expected to take the AP exam for the purpose of earning college credit. There is a fee for the exam and all AP students are expected to take this exam in May. This is a standardized college test taken for the purpose of earning college credit and/or sophomore standing in chemistry in many colleges.

Grade: 11-12 (grade 10 with dept. approval)

Fee: \$20 course fee plus AP exam fee

Type of Credit: Science or Core Elective

AP Environmental Science ► *H/N*

Course Number: 132410 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite:

Successful completion of Biology/Honors Biology, and Algebra, and

Concurrent enrollment or completion of Chemistry required.

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: AP Environmental Science meets the objectives of a college level introductory course. Topics covered include interdependence of earth's systems (energy, matter, soils, air, water and organisms) human population dynamics (human fertility issues are covered) renewable and non-renewable resources, pollution, global changes (acid rain, greenhouse effect, ozone layer depletion), and environment and society choices for the future (conservation, preservation, remediation and sustainability). This course has a lab component.

Grade: 10-12

Fee: \$20 and AP exam fee

Type of Credit: Science or Core Elective

AP Physics 1 ► *H/N*

Course Number: 133213 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Completion of, or concurrent enrollment in, Algebra 2

Notes: Weighted grade status. **Students in this AP class are expected to take the AP exam.**

Description: This algebra-based course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. This course has a lab component.

Grade: 10-12

Fee: \$20 & AP exam fee

Type of Credit: Science or Core Elective

AP Physics 2 ► *H/N*

Course Number: 133214 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: AP Physics 1

Notes: Weighted grade status. **Students in this AP class are expected to take the AP exam.**

Description: This algebra-based course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. This course has a lab component.

Grade: 10-12

Fee: \$20 & AP exam fee

Type of Credit: Science or Core Elective

AP Physics C ► *H/N*

Course Number: 133212 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Successful completion of Physics and/or department consent and successful completion of or concurrent enrollment with calculus

Notes: Weighted grade status. **Students in this AP class are expected to take the AP exam.**

Description: AP Physics C meets the objectives of a college level general physics course. Topics covered include mechanics (kinematics, dynamics, statics, rotational mechanics, and the conservation laws) and electromagnetic theory (electrostatics, circuits and magnetism). All necessary calculus techniques are introduced, however, enrollment in calculus is required as a pre-requisite or co-requisite. This course has a lab component. At the conclusion of this course students will be prepared to take the Advanced Placement exam for potential college credit.

Grades: 11-12

Fee: AP exam fee

Type of Credit: Science or Core Elective

CORE ELECTIVE COURSES

Anatomy and Physiology ► *H/N*

Course Number: 132000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite:

Biology, and
Chemistry

Grade: 11-12

Fee: \$25

Type of Credit: Science or Core Elective

Description: Anatomy and Physiology students study the major systems of the human body. Topics covered include the basic anatomical make-up of the body's organs, as well as how these organs function. There is a significant laboratory component to this course, including microscopic work, and dissection. Lectures, videos, and research will be used.

Astronomy 1 ► *H/N*

Course Number: 134105

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Successful completion of a previous year-long science course and successful completion of or current enrollment in Geometry.

Grade: 10-12

Fee: \$5

Type of Credit: Science or Core Elective

Description: Astronomy 1 students study the matter of outer space. Topics include the history of the solar system, the forces of motion, physics of light, measurement of astronomical distances, planetary geology, and stellar life. Students learn to identify constellations by their patterns and the mythology that accompanies them. This course teaches chemical and physical processes using the cosmos for their application. Concepts are explored through hands-on lab experiences.

Forensic Science A ► *H/N*

Course Number: 139001A

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Successful completion of Biology

Grade: 10-12

Fee: \$15

Type of Credit: Science or Core Elective

Description: Forensic Science is a year-long lab-based science course. The course will focus on crime scene investigations, evaluation of evidence, and presentation of findings in the appropriate settings. Topics covered will include the legal aspects and technology of forensic science; trace evidence; serology; forensic anthropology; DNA analysis; glass, paint, and soil analysis; toxicology; questioned documents and handwriting; ballistics, tool marks, and arson; and forensic science in the media and in popular culture. This course will position students to pursue further studies in biology, chemistry, physics, and related fields. At Pine Creek, students may choose to ONLY take the A (first semester) section of Forensic Science, or they may choose to take BOTH the A and B (second semester) sections of Forensic Science.

Forensic Science B ► *H/N*

Course Number: 139001B

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Forensic Science A

Grade: 10-12

Fee: \$15

Type of Credit: Science or Core Elective

Description: Forensic Science is a year-long lab-based science course. The course will focus on crime scene investigations, evaluation of evidence, and presentation of findings in the appropriate settings. Topics covered will include the legal aspects and technology of forensic science; trace evidence; serology; forensic anthropology; DNA analysis; glass, paint, and soil analysis; toxicology; questioned documents and handwriting; ballistics, tool marks, and arson; and forensic science in the media and in popular culture. This course will position students to pursue further studies in biology, chemistry, physics, and related fields. At Pine Creek, students may choose to ONLY take the A (first semester) section of Forensic Science, or they may choose to take BOTH the A and B (second semester) sections of Forensic Science. Successful completion of the A (first semester) section of Forensic Science is a prerequisite for the B (second semester) section of Forensic Science.

Science in the Imagination ► *H*

Course Number: 131010 A/B

Length: 1 Semester

No. of Credits: 1 or 2 credits (1 per semester)

Prerequisite: One year of science, including biology or equivalent, with a grade of "C" or better.

Notes: Students may sign up for either class or both for a full year of study. Students will earn 1 Science credit each semester completed.

Description: Stretch your imagination with this course. Experience some great literature and movies then explore the good and bad science behind the fiction. This class will combine reading, writing and scientific principles including forensics. Students will perform hands on experiments and activities. They will then present findings to the class.

Grade: 11-12

Fee: None

Type of Credit: Science or Core Elective

Zoology 1 ► *H/N*

Course Number: 132300

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Biology

Description: This course offers students an in-depth study of the Metazoa (Animal Kingdom). Students conduct a comprehensive study of each phylum, with an emphasis on comparing and contrasting the physiological, structural, and behavioral characteristics. A lab component will involve observations of live specimens, preserved specimen dissections, and some ecological case studies. The research component of this course is designed so that the students will develop Informational Literacy skills and will learn to communicate information in a more effective manner.

Grade: 11-12

Fee: \$20

Type of Credit: Science or Core Elective

Zoology 2 ► *H/N*

Course Number: 132305

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: Zoology 1

Description: This course offers students an opportunity to continue their study of Zoology, with an in-depth study of the Phylum Chordata. We will conduct a comprehensive study of each Class, with an emphasis on comparing and contrasting the physiological, structural, and behavioral characteristics. These studies will involve observations of live animals, preserved specimen dissections, and ecological case studies. This course has a lab component. The individual research component of this course is designed to develop 21st Century Skills.

Grade: 11-12

Fee: \$20

Type of Credit: Science or Core Elective

PROJECT LEAD THE WAY PROGRAM

Honors Principles of Biomedical Sciences ► *H/N*

Course Number: 139050 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None.

Notes: Weighted grade status. This is the first year of a 4-year curriculum. See below for summary description of progressive courses.

Description: Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course has a lab component. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Grade: 9-12

Fee: \$25

Type of Credit: Science or Core Elective

Honors Human Body Systems ► *H/N*

Course Number: 132070 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Completion of Honors Principles of Biomedical Sciences

Notes: Weighted grade status. This is the second year of a 4-year curriculum.

Description: Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Grade: 10-12

Fee: \$25

Type of Credit: Science or Core Elective

Honors Medical Intervention ► *H/N*

Course Number: 139055 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Completion of Honors Human Body Systems

Notes: Weighted grade status. This is the third year of a 4-year curriculum.

Description: Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Grade: 11-12

Fee: \$25

Type of Credit: Science or Core Elective

Honors Biomedical Innovation ► *H/N*

Course Number: 139060 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: Completion of Honors Medical Intervention

Notes: Weighted grade status. This is the fourth year of a 4-year curriculum.

Description: Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Grade: 12

Fee: \$25

Type of Credit: Science or Core Elective

Social Science – Overview of Courses

Core Courses

**World
History/Geography**

Grade 9-10
1 Year

Graduation Requirement
(starting with the Class of 2028)

**U.S. History/
Geography**

Grade 11
1 Year

Graduation Requirement

Civics & Law

Grades 11-12
1 semester

Graduation Requirement

Honors & Advanced Placement (AP) Courses

**Honors World
History/Geography*****

Grades 9-10
1 year

Honors Economics

Grades 10-12
1 semester

**AP Human
Geography*****

Grades 9-12
1 Year

**AP European
History*****

Grades 10-12
1 Year

AP Psychology

Grades 10-12
1 Year

**AP US Government
and Politics***

Grades 10-12
1 Year

AP US History**

Grades 11-12
1 Year

**Concurrent Enrollment –
PPSC & UCCS******

US History
Grades 11-12

Elective Courses

**American Popular
Culture**

Grades 10-12
1 Semester

Ancient Civilization

Grade 10-12
1 semester

Applied Psychology

Grades 10-12
1 Semester

Economics

Grades 10-12
1 Semester

**Explorations in
Western Philosophy**

Grades 10-12
1 Semester

Psychology

Grades 10-12
1 Semester

Sociology

Grades 11-12
1 Semester

Street Law

Grades 11-12
1 Semester

*Meets the graduation requirement for Civics

**Meets the graduation requirement for US History

***Meets the graduation requirement for World History

****Pikes Peak State College and University of Colorado Colorado Springs

Social Science – Course Descriptions

CORE COURSES

World History/Geography ► *H* / *N*

Course Number: 155905 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)
Requirement

Prerequisite: None

Notes: This is a required course for graduation (starting with the Class of 2028).

Description: This course examines the major developments of world history. Students will learn cause and effect relationships with an emphasis on political, economic, geographic, and social forces that shape the modern world. **Map reading, map interpretation, and the skills necessary to accomplish these tasks are studied.**

Grade: 9-10

Fee: None

Type of Credit: World History Graduation

US History ► *H* / *N*

Course Number: 155505 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)
Requirement

Prerequisite: None

Notes: This is a required course for graduation.

Description: US History/Geography is a survey course of US History from the pre-colonial period to the present. The course is designed to develop an understanding of the birth and growth of the US to include people of varied backgrounds. Emphasis is placed on the cause and effect of relationships found throughout our nation's history and geographical development as well as relationships between history and politics/economics.

Grade: 11

Fee: None

Type of Credit: US History Graduation

Civics and Law ► *H* / *N*

Course Number: 157105

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Notes: This is a required course for graduation.

Description: Civics and Law provides a basic understanding of the design and operation of federal, state, and local governments. Relationships between the citizen and the government are explored, and the student develops an understanding of the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens. This course is a requirement for graduation. The course will provide students with an understanding of the purpose of government as well as the principles of American democracy. Students will study the Constitution and be able to delineate and explain the design and operation of our federal, state, and local governments. Relationships between citizens and the government will be explored. Students will also become familiar with America's legal system and their rights under constitutional, civil, and criminal law.

Grade: 11-12

Fee: None

Type of Credit: Civics Graduation Requirement

HONORS & AP COURSES

Honors Economics ► H / N

Course Number: 153005

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 10-12

Fee: None

Type of Credit: Social Science or Core Elective

Description: Honors Economics studies the basic concepts of scarcity, opportunity cost, economic systems, and supply/demand. Topics covered include an understanding of the basic economic information distributed by mainstream media such as the unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society. ***Economics prepares students for the various financial decisions that they will make as an adult, and the economics behind these decisions. Students will learn about what it takes to afford to live on their own, the investment approach for college or job training options, personal credit and credit cards, investments, how to buy a car, insurance, renting vs. buying a home, budgeting, and banking. Students will also get an introduction to various economic systems, and an understanding of how supply and demand effect the marketplace. This course is useful in preparing students for the introduction and studying of economics, business, or finance in college, as well as practical applications in their personal lives. This course integrates a wide variety of learning/teaching strategies including in-depth writing, evaluation through hypothesis, independent readings, and synthesizing a variety of material.***

Honors World History/Geography ► H / N

Course Number: 155910A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Requirement, Social Science or Core Elective

Prerequisite: None

Grade: 9-10

Fee: None

Type of Credit: World History Graduation

Note: This course meets the graduation requirement for World History.

Description: Honors World History/Geography examines the major developments of world history. This course is an advanced study of the cause and effect relationships that shape the modern world with an emphasis on politics, economics, geography, and social change. ***Honors World History/Geography focuses on content and skills and is a helpful academic tier for those students who do not feel ready for advanced placement social studies classes but are planning on taking them in subsequent years.***

AP European History ► H / N

Course Number: 155000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Requirement, Social Science or Core Elective

Prerequisite: None

Grade: 10-12

Fee: AP exam fee

Type of Credit: World History Graduation

Notes: This course meets the graduation requirement for World History. Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: AP European History meets the objectives of a college level course in European history. European history from 1400 to 1989 is covered. Students should expect considerable amounts of outside reading combined with the development of interpretive skills and analytic oral discussion. Students will develop and understand the themes in European history and will be able to analyze historical evidence (both primary documents and secondary works). Through analytical writing, students will demonstrate course understanding. All students are expected to take the AP exam for the purpose of earning college credit.

AP Human Geography ► H / N

Course Number: 154200A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Requirement, Social Science or Core Elective

Grade: 9-12

Fee: AP exam fee

Type of Credit: World History Graduation

Notes: This course meets the graduation requirement for World History. Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

AP Psychology ► *H / N*

Course Number: 158010 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: AP Psychology meets the objectives of a college level course in psychology. In this introductory course into the study of human and animal behavior and mental processes, students are introduced to psychological facts, and principles and phenomena associated with the different areas of psychology. Topics covered include the biology of behavior, sensation and perception, motivation and emotion, states of consciousness, development, abnormal behavior, therapy approaches, personality, and social psychology. All students are expected to take the AP exam for the purpose of earning college credit. Students are required to purchase a study guide for the class. Students can earn college credit by passing the Advanced Placement Psychology exam given at the end of the year.

Grade: 10-12

Fee: AP exam fee

Type of Credit: Social Science or Core Elective

AP US Government and Politics ► *H / N*

Course Number: 157116 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Notes: This course meets graduation requirement for Civics. Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: This Advanced Placement course provides students with an analytical perspective on government and politics in the United States. Along the way, students will learn how to gather data about political behavior and develop their own theoretical analysis of American politics. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. Students also explore the various institutions, groups, beliefs and ideas that constitute U.S. politics. The equivalent of an introductory college-level political science course, AP U.S. Government and Politics prepares students for the AP Exam and for further study in political science, law, education, business, and history.

Grade: 10-12

Fee: AP exam fee

Type of Credit: Civics Requirement & Social Science/Core Elective

AP US History ► *H / N*

Course Number: 155525 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)
Requirement

Notes: This course meets graduation requirement for US History. Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: AP US History meets the objectives of a college level US History course and meets the US History graduation requirement. This course covers the colonial period through the twentieth century incorporating critical essay writing and the interpretation of primary historical evidence. Supplemental reading of documents, essays, and books are used. All students are expected to take the AP exam for the purpose of earning college credit.

Grade: 11-12

Fee: AP exam fee

Type of Credit: US History Graduation

Concurrent Enrollment Courses (CE) for US History

Course Number: 191251 A/B

Length: 1 Semester

No. of Credits: 2 credits

Please visit the [Academy D20 College & Career website](#) for an accurate list of programs and their corresponding course credits.

Grade: 11-12

Fee: **See below

Type of Credit: varies per course / program

Prerequisite: Counselor/Administrative approval and application process

Notes: Weighted grade status. Must reapply every semester

Description: The Concurrent Enrollment Programs Act (CEPA) (CRS 22-35-101 et seq.) makes it possible for eligible students in grades 9 through 12 who are under the age of 21 and officially registered with Academy District 20 to simultaneously enroll in their local high schools and in qualified institutions of higher learning. Interested students must meet eligibility and application criteria as identified by the statute and further defined by the district. Students should see the high school curriculum guide and counseling office for specifics regarding eligibility and application requirements.

****Fees:** Tuition is paid by the District but student is responsible for class fees and books. Student may be responsible for reimbursement of fees if final course grade is below a C.

The courses below are suggested for 11th and 12th graders Only. One of the courses below will meet the US History requirement:

- **PPSC HIST 1220 United States History Since the Civil War** - Explores trends within events, peoples, groups, ideas, and institutions since the American Civil War. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisites:

Accuplacer Sentence Skills 095 and Accuplacer Reading Comp 080 or ACT English 18 and ACT Reading 17) or Accup Next Gen Writing 246 or SAT EVIDENCE-BASED READ/WRIT 470 or Exempt College Comp & Read-CCR 092 or Exempt English 0077 or Prior College English 1021 Minimum Grade of C.

- **CU SUCCEED HIST 1530 (ONLINE) Emergence of Modern American (1865-1920)** – Survey of the economic, social and political development of industrial America from the reconstruction through World War I. Approved for Compass Curriculum requirements: Explore: Arts, Humanities and Culture; Inclusiveness (Global/Diversity); Writing Intensive. GT-HI1. **No prerequisite.**
- **CU SUCCEED HIST 1540 (ONLINE) US: Recent America (1918-Present)** – Survey of America's social, political, economic and cultural history during the time the U.S. has been a world power. The roots of contemporary society, with emphasis on the emergence of a multicultural America. Approved for LAS Humanities Area requirement. Approved for Compass Curriculum requirements: Inclusiveness; Explore: Arts, Humanities and Culture. GT-HI1. **No prerequisite.**

ELECTIVE COURSES

American Popular Culture ► *H / N*

Course Number: 151600

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 10-12

Fee: None

Type of Credit: Social Science or Core Elective

Description: American Popular Culture examines the 20th century and its dramatic evolution in history, culture, and social ideals. Over the course of this century, Americans have experienced two world wars, civil rights protests, the military and social tension of the Vietnam conflict, the birth of jazz and rock n roll, and the British invasion which brought the introduction of pop music. The stage and screen have skyrocketed into the forefront of popular entertainment and also developed into a powerful medium for social comment. Topics covered include history through music, plays, movies, people, and performances that have helped to make this century so exciting. While reading and writing are emphasized, the class also studies novels, films, plays, music, interviews, and experts. Students are expected to read outside material provided by the instructor. This course may not be substituted for U.S. History credit. ***This course is designed to teach how historical events in the 20th century have shaped our American culture through music, movies, sports, heroes (comics), fashion, television and media.***

Ancient Civilization *H / N*

Course Number: 155800

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 10-12

Fee: None

Type of Credit: Social Science or Core Elective

Description: Ancient Civilization traces man's struggle for civilization from early times to the decline of the Roman Empire. Topics covered include developments in the ancient Near East (Egypt, Mesopotamia, Israel), India, China, classical Greece, and classical Rome. The course introduces major historical figures and events, and searches for the origin of many aspects of contemporary life. ***Pine Creek students will continue studying from the decline of the Roman Empire through the end of the Middle Ages.***

Applied Psychology *H / N*

Course Number: 158020

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 10-12

Fee: None

Type of Credit: Social Science or Core Elective

Description: This course is designed to provide the student with a survey of basic psychological principles and their application to our individual lives. Grades will be partially based on participation in discussion and activities, and a community service requirement.

Economics ► *H / N*

Course Number: 153000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Grade: 10-12

Fee: None

Type of Credit: Social Science or Core Elective

Description: Economics studies the basic concepts of scarcity, opportunity cost, economic systems, and supply/demand. Topics covered include an understanding of the basic economic information distributed by mainstream media such as the unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society. ***Economics prepares students for the various financial decisions that they will make as an adult, and the economics behind these decisions. Students will learn about what it takes to afford to live on their own, the investment approach for college or job training options, personal credit and credit cards, investments, how to buy a car, insurance, renting vs. buying a home, budgeting, and banking. Students will also get an introduction to various economic systems, and an understanding of how supply and demand effect the marketplace. This course is useful in preparing students for the introduction and studying of economics, business, or finance in college, as well as practical applications in their personal lives.***

Explorations in Western Philosophy ► *H / N*

Course Number: 156000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Explorations in Western Philosophy studies the history of the important traditions in thought known as "Western Philosophy." Students trace the development of philosophy's answers to questions such as: "What is justice?" "What makes us human?", and "What is knowledge?" Student activities focus on discussion and debate.

Grade: 10-12

Fee: Cost for optional field trips

Type of Credit: Social Science or Core Elective

Psychology ► *H / N*

Course Number: 158000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Psychology studies the basic psychological theories and how they are applied. Possible topics of this survey course include neurobiology, sensation and perception, development, learning, memory, disorders and treatment, and social psychology. Discussion is an integral part of this class and students are expected to share ideas and be respectful of others' beliefs and opinions.

Grade: 10-12

Fee: None

Type of Credit: Social Science or Core Elective

Sociology ► *H / N*

Course Number: 151000

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Sociology studies the basic components of society. Topics covered include culture, conformity and adaptation, family, cultural diversity, social movements, racial and ethnic relations, and deviance and social control. Small and large groups discussions are emphasized as are reading comprehension and writing skills. Sociology is the study of society and social behavior. It is a semester-long class designed as an academic elective for social studies credit. Discussion is an integral part of this class. Therefore, students are expected to be mature, share ideas and be respectful of others' beliefs and opinions.

This class will study the impact of gender, race, family and religion in helping to shape individuals, cultures and communities. We will also look at deviant behavior, crime, and juvenile delinquency to understand the social circumstances that promote such behavior and the theories that try to explain it. You need to be willing to test your biases, do arts and crafts, simulations and field research.

Grade: 11-12

Fee: None

Type of Credit: Social Science or Core Elective

Street Law ► *H / N*

Course Number: 157125

Length: 1 Semester

No. of Credits: 1 credit

Prerequisite: None

Description: Street Law provides practical information and problem-solving opportunities that allow students to better survive in our society. The curriculum includes case studies, role-plays, small group exercises, and seminar-type class discussions. Special attention is paid to the U.S. Constitution as the supreme law of the land. Topics such as how the justice system works, the application of the Bill of Rights to daily life, criminal law, civil law, and family law is addressed. An emphasis is placed on Colorado law and its application. **This course is designed to teach legal issues in a case study method. Students will study criminal law from the arrest to the sentencing. The curriculum includes case studies, role-plays, small group exercises, and guest speakers.**

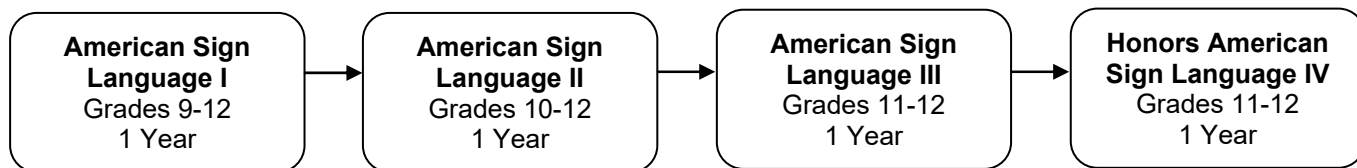
Grade: 11-12

Fee: Costs for Optional Field Trips

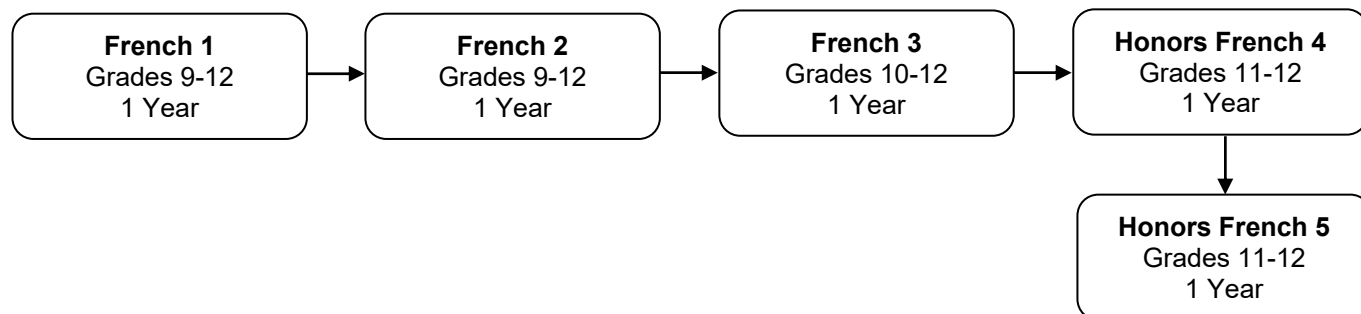
Type of Credit: Social Science or Core Elective

World Languages – Overview of Courses

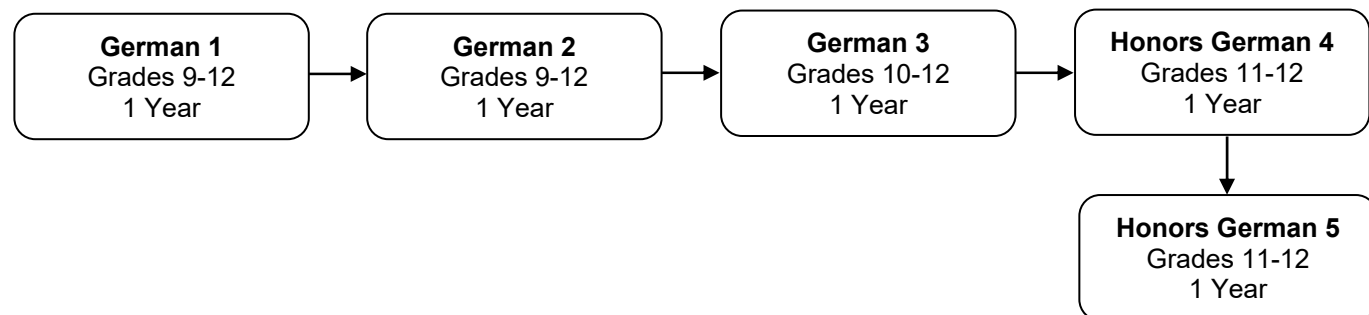
American Sign Language



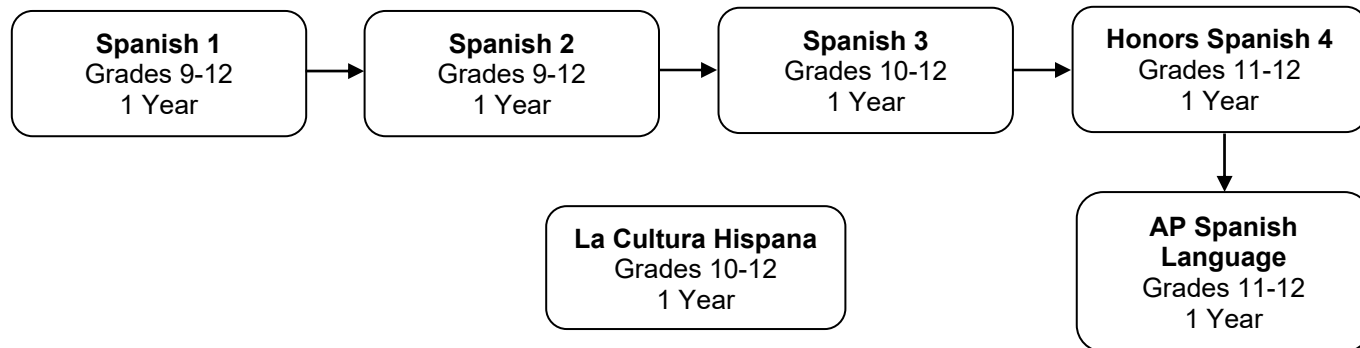
French



German



Spanish



In all Pine Creek World Language courses, students and teachers will use the target language 90% of the time.

World Languages – Course Descriptions

AMERICAN SIGN LANGUAGE

American Sign Language I ► *H / N*

Course Number: 062095 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: None

Description: American Sign Language (ASL) is a manual language which entails vocabulary, grammar, sentence structure as well as body movement to express meaning for communication. **ASL I focuses on receptive skills beginning expression and introduction to the Deaf culture, history and grammar. All assignments to fulfill District 20 Standards for World Language.**

Grade: 9-12

Fee: \$40

Type of Credit: World Language or Core Elective

American Sign Language II ► *H / N*

Course Number: 062096 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: ASL I

Description: American Sign Language (ASL) is a manual language which entails vocabulary, grammar, sentence structure as well as body movement to express meaning for communication. ASL II will build upon ASL I with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language. **ASL II focuses on additional vocabulary, increase receptive skills, and more expressive skills as well as more in-depth Deaf history, culture and grammar.**

Grade: 10-12

Fee: \$40

Type of Credit: World Language or Core Elective

American Sign Language III ► *H / N*

Course Number: 062097 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: ASL II with a grade of C or higher along with teacher recommendation.

Description: American Sign Language (ASL) is a manual language which entails vocabulary, grammar, sentence structure as well as body movement to express meaning for communication. ASL III will build upon ASL II with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language. **ASL III fine tunes expressive skills for a complex conversation. Work on expression and body language for full understanding.**

Grade: 11-12

Fee: \$40

Type of Credit: World Language or Core Elective

Honors American Sign Language IV ► *H / N*

Course Number: 062101 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: ASL III, with a grade of C or better along with teacher recommendation.

Description: ASL IV continues from ASL I, II, and III to provide further study of American Sign Language (ASL) and its grammar, syntax, and cultural features. Helps students develop competency and fluency in the language. Variations in ASL are addressed. Provides the student with an opportunity to recognize the impact of Deaf Culture on emerging ASL Literature. Covers non-fiction, fiction, poetry, and drama depicted in readings and videotapes related to everyday lives of Deaf people. Develops insight and appreciation of Deaf literature and its implications for Deaf education. **ASL IV delves into poetry, art, and literature, culture, history and grammar of the Deaf community.**

Grade: 11-12

Fee: \$40

Type of Credit: World Language or Core Elective

FRENCH

French 1 ► H / N

Course Number: 062000 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: None

Description: Students learn to communicate in French using various methods. Simple conversational language and grammar related to personal interests and French culture are used to draw connections and make comparisons. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 9-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

French 2 ► H / N

Course Number: 062002 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: French 1

Description: Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 9-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

French 3 ► H / N

Course Number: 062003 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in French 2 is strongly recommended.

Notes: Students should purchase a French/English dictionary.

Description: In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 10-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Honors French 4 ► H / N

Course Number: 062006 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in French 3 along with teacher recommendation

Notes: Weighted grade status

Description: In this class students will apply accumulated skills and continue to develop higher level vocabulary, sentence structures, and patterns. Students will strengthen understanding of their own language while further expanding communication skills in familiar and unfamiliar contexts. Cultural experiences and knowledge are core components of this class. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 11-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Honors French 5 ► *H / N*

Course Number: 062008 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: Honors French 4. A composite grade of a B or above in French 3 is highly recommended. Exceptions made per instructor approval.

Notes: Weighted grade status.

Description: In this class, student communication, both written and oral, will be increasingly spontaneous, culturally appropriate, and developed at a higher level. Students will inquire, analyze, synthesize, and evaluate information from a variety of sources. ***This is a college-level course which requires some independent work and a strong work ethic.***

The fundamental objective of this course is for students to achieve a high level of ability in the four basic language skills: oral and written production, oral and written comprehension. Students will have to study grammar and vocabulary intensively. Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.

Grade: 11 – 12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

GERMAN

German 1 ► *H / N*

Course Number: 062022 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: None

Description: Students learn to communicate in German using various methods. Simple conversational language and grammar related to personal interests and German culture are used to draw connections and make comparisons. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 9-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

German 2 ► *H / N*

Course Number: 062023 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: German 1

Description: Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 9-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

German 3 ► *H / N*

Course Number: 062024 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in German 2 is highly recommended

Description: In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 10-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Honors German 4 ► *H / N*

Course Number: 062027 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in German 3 or instructor approval

Notes: Weighted grade status

Description: In this class students will apply accumulated skills and continue to develop higher level vocabulary, sentence structures, and patterns. Students will strengthen understanding of their own language while further expanding communication skills in familiar and unfamiliar contexts. Cultural experiences and knowledge are core components of this class. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 10-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Honors German 5 ► *H* / *N*

Course Number: 062028 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in Honors German 4 or instructor approval.

Notes: Weighted grade status.

Grade: 11-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Description: In this class, student communication, both written and oral, will be increasingly spontaneous, culturally appropriate, and developed at a higher level. Students will inquire, analyze, synthesize, and evaluate information from a variety of sources. Students will have relevant discussions of original writings of famous authors, current events, and other diverse aspects of culture. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

SPANISH

Spanish 1 ► *H / N*

Course Number: 062063 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: None

Description: Students learn to communicate in Spanish using various methods. Simple conversational language and grammar related to personal interests and Spanish culture are used to draw connections and make comparisons. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 9-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Spanish 2 ► *H / N*

Course Number: 062067 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in Spanish 1 is highly recommended.

Description: Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements. **Along with the four basic skills, students will focus on writing and grammar. Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 9-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Spanish 3 ► *H / N*

Course Number: 062071 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in Spanish 2 is highly recommended

Description: In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing, and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 10-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

Honors Spanish 4 ► *H / N*

Course Number: 062081 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: A grade of C or higher in Spanish 3 along with teacher recommendation.

Notes: Weighted grade status

Description: In this class, students will improve vocabulary knowledge, grammar usage, and communication skills. Students deepen understanding of cultural difference. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 11-12

Fee: \$20 AAPPL exam fee

Type of Credit: World Language or Core Elective

AP Spanish Language ► *H / N*

Course Number: 062083 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: Spanish 4 and recommendation of Spanish 4 teacher

Notes: Weighted grade status. **Students in this AP class are strongly encouraged to take the AP exam.**

Description: In this class, student communication, both written and oral, will be increasingly spontaneous, culturally appropriate, and developed at a higher level. Students will inquire, analyze, synthesize, and evaluate information from a variety of sources. **Students will take the AAPPL exam in the spring of each year to measure proficiency. Along with English requirements, students may achieve the Seal of Biliteracy with four years of world language study or a proficient AAPPL exam score.**

Grade: 11-12

Fee: \$20 AAPPL exam fee plus AP exam fee

Type of Credit: World Language or Core Elective

La Cultura Hispana ~~H~~ / ~~N~~

Course Number: 063000 A/B

Length: 1 Year

No. of Credits: 2 credit (1 credit per semester)

Prerequisite: None

Notes: This is a core elective credit, but not considered a level course.

Description: This class will examine cultural themes of the twenty-one countries where Spanish is spoken as a means to understand the impact in the development of each country. Topics may include daily life, traditions, music, dance, history, geography, current events, social themes, etc. It will include terms, expressions, and differences among Spanish spoken across the various countries.

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Other Courses

Academic Success

Course Number: 191264

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: Teacher/counselor recommendation

Description: Students will learn and practice skills and strategies to support success in high school and beyond; and become actively involved in their learning experience by applying their knowledge towards ownership and self-advocacy in educational and post-secondary opportunities. Particular areas of focus will include topics such as planning and organization, study skills, learning styles, how to study for tests, goal-setting, increasing reading skills, and comprehension. **At Pine Creek, we support literacy through individual embedded lessons.**

Grade: 9-12

Fee: None

Type of Credit: Core Elective

Classroom Helpers

Course Number: 191018

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: Required application and meeting with College/Career counselor

Description: Working at the direction of the classroom teacher, students will provide support in a PK-8 classroom. Classroom activities may include tutoring and assisting the classroom teacher with organizational tasks and materials preparation.

Grade: 11-12

Fee: None

Type of Credit: Elective

Community Leadership

Course Number: 191004

Length: 1 semester

No. of Credits: 1 credit

Description: In this course, students will learn and apply principles of effective leadership through observing leaders, learning about their community, and participating in a variety of learning experiences in the community and at school.

Grade: 11-12

Fee: \$30

Type of Credit: Elective

Freshman Success *Required*

Course Number: 191021

Length: 1 year

No. of Credits: 1 credit/semester

Description: Freshmen will learn and practice skills and strategies to support success in high school and beyond; and become actively involved in their learning experience by applying their knowledge towards ownership and self-advocacy in educational and post-secondary opportunities. Particular areas of focus will include topics such as planning and organization, study skills, learning styles, how to study for tests, goal-setting, and increasing content area skills and comprehension.

Grade: 9

Fee: None

Type of Credit: Elective

Graduation Capstone

Course Number: 191252

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: Recommendation of counselor or case manager

Description: Students will have the opportunity to demonstrate problem-solving, self-directed learning, decision making and independent research while investigating a specialized area of interest aligned to the student's postsecondary plan (ICAP). Students will work with an advisor/teacher to design a capstone project that demonstrates proficiency on college or career ready math and/or English Language Arts standards.

Grade: 12

Fee: None

Type of Credit: Core Elective

Partial Absence

Course Number: 191246 A/B (Morning)

191248 A/B (Afternoon)

Length: 1 semester

No. of Credits: None

Prerequisite: Approval of parent, counselor, and administrator

Description: Students receive no credit for partial absence. School approval of partial absences is contingent upon several conditions, including the following: **students are expected to be off campus during their partial absence and must provide their own transportation to and from school.** Students must remain on track with credits toward graduation;

Grade: 9-12

Fee: None

Type of Credit: None

partial absences will not be approved for students who are in danger of not accumulating enough credits to graduate with their class. Seniors may take a maximum of two partial absences per semester. **Freshmen, sophomores, and juniors may take a maximum of one partial absence per semester.**

Conditions & Additional Information

- *Partial absences are only available to full-time students.*
- *Partial absences are scheduled for the first and last blocks of the day.*
- *Seniors may have back-to-back partial absences.*
- *College-bound students should consider the strength of their academic records before choosing a partial absence.*
- *Student athletes should check NCAA eligibility requirements before submitting a partial absence request.*
- *Students and parents must verify, via transcripts, that students are on track to meet graduation requirements.*
- *Students must provide their own transportation to/from school during waiver periods and must not be on school grounds during the time of the partial absence. Students may not be in the library or cafeteria during partial absences.*
- *District 20 and Pine Creek administration and staff are not responsible for student safety or well-being during partial absence periods.*
- *Partial absences carry NO CREDIT and do not count toward graduation requirements.*
- *Approval of partial absences is solely at the discretion of school administration.*
- *Parents and students assume all risks associated with partial absences, including graduation requirements, NCAA eligibility, and post-secondary education admission requirements.*
- *Students with partial absences are responsible for knowing changes to the typical class schedule (for late starts, activity schedules, etc.) and being in classes on time.*
- *Signed parental approval for any partial absence is due during the first week of the semester.*
- *Seniors (ONLY) who wish to schedule a 2nd partial absence in either semester should use course numbers 191247 A/B (Morning) or 191249 A/B (Afternoon)*

Peer Partner

Course Number: 191035

Length: 1 semester

No. of Credits: 1

Prerequisite: Approval of instructor

Grade: 10-12

Fee: None

Type of Credit: Elective

Description: Students will be required to do a final paper/project. Attendance is vital for this course. Students will support special education students in their classroom, in mainstream classes, or at a job site. In addition, peer coaches must be flexible and be ready for assignment changes during the semester. This is a great opportunity for students interested in a career in education.

Peer Tutor

Course Number: 191007A/B

Length: 1 semester

No. of Credits: 1 credit

Prerequisite: APPROVAL OF INSTRUCTOR

Grade: 9-12

Fee: None

Type of Credit: Elective

Description: Students enrolled in this course serve as a peer tutor under the guidance and supervision of a teacher.

Most Peer Tutors are assigned to the Math Peer Assisted Learning (PAL) Lab or to Freshman Success. Tutors are encouraged to promote independent thinking and must be careful not to complete homework for students. Tutors should foster a healthy sense of accomplishment and self-esteem in the student to promote continued academic growth and development.

Student Government

Course Number: 191080 A/B

Length: 1 Year

No. of Credits: 2 credits (1 per semester)

Prerequisite: Election

Grade: 9-12

Fee: \$75

Type of Credit: Elective

Description:

Members will learn by application the procedures of government and parliamentary procedure. They will focus on leadership skills necessary for effective leadership in a high school setting. They will make decisions relative to student body matters. They will have a primary role in student activities and student assemblies. Credit earned will be applied as elective credit. Student Government is a leadership training course involving such skills as group interaction, public speaking techniques, creative thinking, group leadership, responsibility, personal fulfillment, workshop organization, public relations, and community service. Students also learn how to plan and run effective meetings with Robert's Rules of Order.

Guided Study Hall

Course Number: 191100 A/B

Length: 1 Semester

No. of Credits: .5 credit

Prerequisite: None

Description: This class, which provides time for students to do homework, is a pass / fail course. Attendance is mandatory.

Grade: 10-12

Fee: None

Type of Credit: Elective

Teacher Assistant

Course Number: 191065A / 191065B

Length: 1 semester

No. of Credits: .5 credit

Prerequisite: Instructor

Description: This program is designed to train students to provide assistance to students, faculty, and staff as well as give students experience in office and classroom duties. 1/2 credit is given on a "pass/fail" basis. **MAXIMUM OF ONE TA CAN BE TAKEN EACH SEMESTER.**

Grade: 9-12

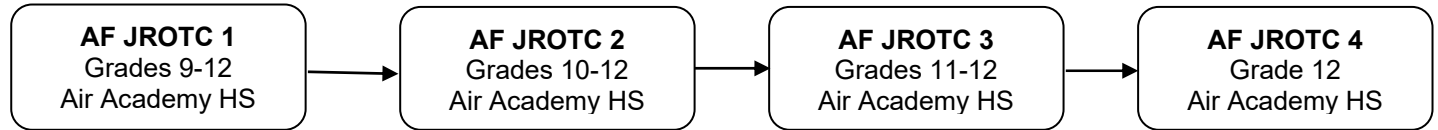
Fee: None

Type of Credit: Elective

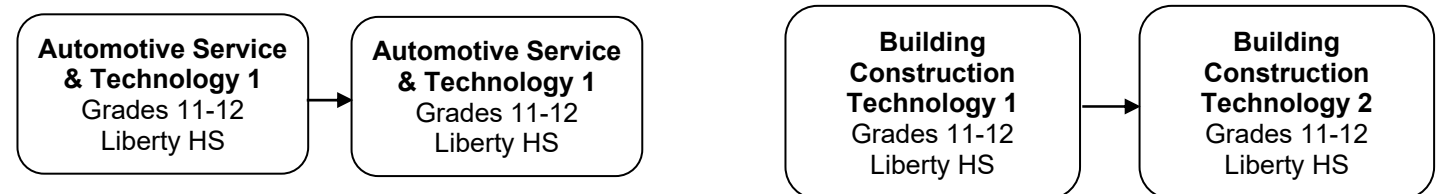
- *The number of TA positions offered each semester is limited. Not all students who request a TA period will receive one. TA positions are assigned on a first-come, first-served basis, and are based on the order that the contracts are returned to the Counseling Office.*
- *Students must complete the Teacher Assistant Contract and submit it to Counseling **by the end of the first week of school.***
- *College-bound students should consider the strength of their academic records before choosing a teacher-mentorship.*
- *Students and parents must verify, via transcripts, that students are on track to meet graduation requirements.*

SPECIAL PROGRAMS – OVERVIEW OF COURSES

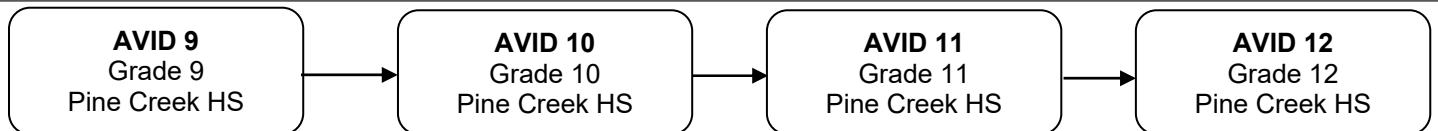
Air Force Junior ROTC



Automobile & Construction Programs



Advancement Via Individual Determination (AVID)



Career Start & ISSA



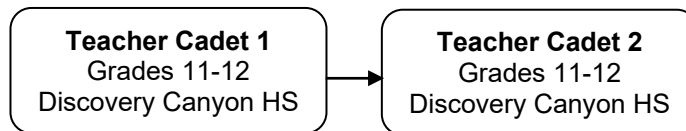
Concurrent Enrollment



Health Sciences Program



Teacher Cadet



Special programs may have application processes and other requirements. For this reason, students must work with their grade-level counselors if they are considering one of these programs. Read about postsecondary learning options [here](#) or on the [College and Career webpage](#).

SPECIAL PROGRAMS – COURSE DESCRIPTIONS

Air Force Junior Reserve Officer Training Corps (AFJROTC)

To indicate your interest in signing up for AFJROTC, select the course(s) as ALTERNATES in your FIRST YEAR ONLY. You will then apply to the program using the appropriate application process. In subsequent years, you will be directed how to enroll.

Air Academy High School offers a four-year Air Force Junior ROTC curriculum. Each year offers a unique academic focus while still emphasizing leadership, character development, and good citizenship. AFJROTC is a building block curriculum with the first year being a prerequisite for the second year and the first- and second-year being prerequisites for the third year, etc.

****All Pine Creek students enrolled in AFJROTC will have a Study Hall before or after the AFJROTC class to allow for travel time to AAHS. ****

AF Jr ROTC 1

Course Number: 089100 A/B

Grade: 9-12

Length: 1 Year

Fee: \$40

No. of Credits: 2 credits (1 credit per semester)

Type of Credit: Core Elective or Social Science

Prerequisite: Application and Instructor Approval

Notes: This course is taught at Air Academy High School. First year cadets are required to perform 4 hours of community service per quarter.

Description: The first year of Aerospace Science is "A Journey into Aviation History." In this course students learn the origins of flight, early growth and formative years of the U.S., the progress of flight and use of airpower during World War I, the Golden Age of Aviation, World War II, Korean War, Vietnam, Desert Shield/Storm, Kosovo, etc. Students will study individual aviation pioneers such as Leonardo da Vinci, Orville and Wilbur Wright, Amelia Earhart, James Doolittle, Billy Mitchell, Carl Spaatz, Chuck Yeager, etc. The Leadership Education portion of the course will also address some of the customs, traditions, and history of the military and will emphasize leadership, character development, and good citizenship. Drill (marching) is also offered as part of the Leadership Education phase. First year cadets are required to perform 4 hours of community service per quarter. **Students enrolled in this class will have a Study Hall after the AFJROTC class to allow for travel time to AAHS.**

AF Jr ROTC 2

Course Number: 089105 A/B

Grade: 10-12

Length: 1 Year

Fee: \$25

No. of Credits: 2 credits (1 credit per semester)

Type of Credit: Core Elective or Science

Prerequisite: AFJROTC 1 and Instructor Approval

Notes: This course is taught at Air Academy High School. Second year Cadets are required to perform 5 hours of community service per quarter.

Description: The second year of Aerospace Science is "The Science of Flight." In this course students learn the fundamentals of flight and are exposed to weather and its effects on flight, human physiology in flight, basic aeronautics, flight power, aerospace power, basic navigation, and navigation instruments. Students will conduct research and deliver classroom presentations on aviation topics. The Leadership Education portion of the course will address communication, personal awareness, group dynamics, problem solving, and will emphasize leadership, character development, and good citizenship. Drill (marching) is also offered as part of the Leadership Education phase. Second year cadets are required to perform 5 hours of community service per quarter. **Students enrolled in this class will have a Study Hall before or after the class to allow for travel time to AAHS.**

AF Jr ROTC 3

Course Number: 089110 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: AFJROTC 1 & 2 and Instructor Approval

Notes: This course is taught at Air Academy High School. Third year Cadets are required to perform 8 hours of community service per quarter.

Description: The third year of Aerospace Science is "Exploring Space." It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories in unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on the human experience in space. It also examines the latest advances in space technology, including robotics in space, the Mars Rover, and commercial uses of space. The Leadership Education portion of the course covers life skills, career paths, financial planning and college options. Leadership, character development, and good citizenship are emphasized throughout the course. Drill (marching) is also offered as part of the Leadership Education phase. Third year cadets are required to perform 8 hours of community service per quarter. **Students enrolled in this class will have a Study Hall before or after the class to allow for travel time to AAHS.**

Grade: 11-12

Fee: \$25

Type of Credit: Core Elective or Science

AF Jr ROTC 4

Course Number: 089115 A/B

Length: 1 Year/2 credits

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: AFJROTC 1 and instructor approval/signature

Notes: This course is taught at AAHS. Fourth year Cadets are required to perform 12 hours of community service per quarter.

Description: The fourth year of Aerospace Science is "Management of the Cadet Corps." This curriculum is designed to focus on the fundamentals of leadership and management. Attention will be given to four specific areas, management techniques, management decisions, management functions, and managing self and others. Each cadet will hold a position of leadership in the cadet wing and be responsible for applying the techniques and principles learned in class. This course requires a significant investment in time and effort outside the classroom to make the cadet wing run effectively and efficiently. The Leadership Education portion of the course covers principles of management, skills for planning and developing goals, managing time and stress, group decision making, and leadership issues and challenges. Drill (marching) is also offered as part of the Leadership Education phase. Fourth year cadets are required to perform 12 hours of community service per quarter. Physical fitness training will make up 20% of the course, approximately one class session every other week. **Students enrolled in this class will have a Study Hall before or after the class to allow for travel time to AAHS.**

Grade: 12

Fee: \$25

Type of Credit: Core Elective or Science

Automobile & Construction Programs

To indicate your interest in signing up for these courses, select the course(s) as **ALTERNATES**. You will then [apply to the program](#) using the appropriate application process.

Automotive Service Technology 1

Course Number: 108310 A/B

Length: 1 Year

No. of Credits: 4 credits (2 credits per semester)

Prerequisite: None; however, it is strongly recommended that students have successfully completed Algebra 1 & Geometry

Notes: This course is taught at LHS.

Description: [Please visit the Academy D20 College & Career website:](#)

This is a year-long double block course (i.e. Blue 1 and Blue 2) held at Liberty High School. District 20 does provide transportation to and from home high schools for the AM sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Grade: 11-12

Fee: \$100 plus optional certification exam fees

Type of Credit: Core Elective

Automotive Service Technology 2

Course Number: 108315 A/B

Length: 1 Year

No. of Credits: 4 credits (2 credits per semester)

Prerequisite: Successful completion of Automotive Service Technology 1 and instructor approval

Notes: This course is taught at LHS.

Description: [Please visit the Academy D20 College & Career website:](#)

This is a year-long double block course (i.e. Blue 1 and Blue 2) held at Liberty High School. District 20 does provide transportation to and from home high schools for the AM sections only. Students enrolled in afternoon sections will provide their own transportation to and from Liberty High School.

Grade: 12

Fee: \$100 plus optional certification exam fees

Type of Credit: Core Elective

Building Construction Technology 1

Course Number: 101010 A/B

Length: 1 Year

No. of Credits: 4 credits (2 credits per semester)

Prerequisite: None; however, it is strongly recommended that students have successfully completed Algebra 1 & Geometry

Notes: This course is taught at LHS.

Description: [Please visit the Academy D20 College & Career website:](#)

Comments: This is a year-long double block course (i.e. Blue 1 and Blue 2) held at Liberty High School. District 20 does provide transportation to and from home high schools for the AM sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Grade: 11-12

Fee: \$100 plus optional certification fees & tools

Type of Credit: Core Elective

Building Construction Technology 2

Course Number: 101015 A/B

Length: 1 Year

No. of Credits: 4 credits (2 credits per semester)

Prerequisite: Successful completion of Building Construction Technology 1 and instructor approval

Notes: This course is taught at LHS.

Description: [Please visit the Academy D20 College & Career website:](#)

Comments: This is a year-long double block course (i.e. Blue 1 and Blue 2) held at Liberty High School. District 20 does provide transportation to and from home high schools for the AM sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Grade: 12

Fee: \$100 plus optional certification fees & tools

Type of Credit: Core Elective

Advancement Via Individual Determination (AVID)

To indicate your interest in signing up your first year of AVID ONLY, select the course(s) as **ALTERNATES**. You will then apply to the program using the appropriate application process. Once accepted into the AVID program, you can select subsequent years through the scheduling process.

AVID 9

Course Number: 006000 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Notes: By application only.

Description: AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four-year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

Grade: 9

Fee: None

Type of Credit: Core Elective

AVID 10

Course Number: 006005 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Notes: By application only

Description: AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four-year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

Grade: 10

Fee: None

Type of Credit: Core Elective

AVID 11

Course Number: 006010 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Notes: By application only.

Description: AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four-year colleges and universities.

Grade: 11

Fee: None

Type of Credit: Core Elective

AVID 12

Course Number: 006015 A/B

Length: 1 Year

No. of Credits: 2 credits (1 credit per semester)

Prerequisite: None

Notes: By application only.

Description: AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four-year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

Grade: 12

Fee: None

Type of Credit: Core Elective

Career Start & ISSA

High school juniors and seniors can enroll in a half-day program in a technical or trade area of study. Please refer to the [Academy D20 College & Career website](#) for an accurate list of programs and their corresponding course credits.

To indicate your interest in signing up for these courses, select the course(s) as ALTERNATES. You will then apply to the program using the appropriate application process.

Career Start

Course Number: 050061 A/B

Length: 1- to 2-year sequence of courses

Grade: 11-12

Fee: Tuition is paid by the district, but the student is responsible for additional fees, including an amount to be determined to District 20.

Type of Credit: Core Elective

No. of Credits: varies per program / course

Please visit the [Academy D20 College & Career website](#) for an **accurate** list of programs and their corresponding course credits.

Prerequisite: Application process and approval from the grade level counselor and district college and career team.

Description: Career Start (CS) is primarily for students who are interested in pursuing an associates degree or certificate in a career and technical field or entering the job market directly after finishing high school. Courses provide core academic and elective credit. Specific credits vary by program. CS credit in core areas will not fulfill NCAA athletic course requirements. See a counselor for detailed information. Programs offered: * Designates a 1-year program. All others are two-year programs.

Students enrolled in any Career Start program have the option to enroll in online English through Edgenuity.

ISSA Hairstylist 1

Course Number: 108028 A/B

Length: 2-year sequence of courses

Grade: 11-12

Fee: Tuition is paid by the district, but the student is responsible for additional fees, including an amount to be determined to District 20.

Type of Credit: Core Elective

No. of Credits: varies per program / course

Please visit the [Academy D20 College & Career website](#) for an **accurate** list of programs and their corresponding course credits.

Prerequisite: Application process and approval from the grade level counselor and team (approval is based on attendance, discipline, and credits needed for graduation.)

Description: The International Salon and Spa Academy (ISSA) program is a two-year course of study designed to train high school juniors and seniors to become hairstylists. The program prepares students to sit for the hairstylist examination given by the Office of Barber and Cosmetology Licensure for the State of Colorado. First year students attend the morning session from 9:00 a.m. to 12:00 p.m. and second year students attend the afternoon session from 1:00 p.m. to 4:00 p.m. The district provides bus transportation for the morning session only. The International Salon and Spa Academy sets strict limits on class size and students must meet eligibility criteria. The district hosts an information night each winter followed by an early spring registration period. The district pays the annual tuition for the student. Students are responsible for paying an annual laboratory fee to ISSA and the fee associated with the licensure examination to the State of Colorado. See a guidance counselor for more information.

ISSA Hairstylist 2

Course Number: 108030 A/B

Length: 2-year sequence of courses

Grade: 11-12

Fee: Tuition is paid by the district, but the student is responsible for additional fees, including an amount to be determined to District 20.

Type of Credit: varies per program / course

No. of Credits: varies per program / course

Please visit the [Academy D20 College & Career website](#) for an **accurate** list of programs and their corresponding course credits.

Prerequisite: Application process and approval from the grade level counselor and team (approval is based on attendance, discipline, and credits needed for graduation.)

Description: The International Salon and Spa Academy (ISSA) program is a two-year course of study designed to train high school juniors and seniors to become hairstylists. The program prepares students to sit for the hairstylist examination given by the Office of Barber and Cosmetology Licensure for the State of Colorado. First year students attend the morning session from 9:00 a.m. to 12:00 p.m. and second year students attend the afternoon session from 1:00 p.m. to 4:00 p.m. The district provides bus transportation for the morning session only. The International Salon and Spa Academy sets strict limits on class size and students must meet eligibility criteria. The district hosts an information night each winter followed by an early spring registration period. The district pays the annual tuition for the student. Students are responsible for paying an annual laboratory fee to ISSA and the fee associated with the licensure examination to the State of Colorado. See a guidance counselor for more information.

CAREER START & ISSA CREDIT NOTES

- It is important that you meet with your grade level guidance counselor to ensure that you are earning all the required credits toward graduation in a timely manner.

Concurrent Enrollment

To indicate your interest in signing up for these courses, select the course(s) as ALTERNATES. You will then apply to the program using the appropriate application process.

Concurrent Enrollment courses provide qualifying students the opportunity to earn college and high school credit. Please read the [College and Career Services Parent and Student Program Guide](#) handbook for information on concurrent enrollment program descriptions, instructions and links for applying, and important deadlines.

The links below will take you to more information on specific programs.

[ASCENT/TREP](#)

Post-Grad (1 year Program)
UCCS/Metro State University

[CU Succeed/Concurrent Enrollment](#)

Grades 9-12
UCCS

[Concurrent Enrollment](#)

Grades 9-12
PPSC

[Concurrent Enrollment](#)

Grades 9-12
Metro State
University Online

Concurrent Enrollment Courses (CE)

Course Number: 191251 A/B

Length: 1 or 2 Semester

No. of Credits: varies per program / course

Please visit the [Academy D20 College & Career website](#) for an **accurate** list of programs and their corresponding course credits.

Prerequisite: Counselor approval and application process

Notes: Must reapply every semester

Description: The Concurrent Enrollment Programs Act (CEPA) (CRS 22-35-101 et seq.) makes it possible for eligible students in grades 9 through 12 who are under the age of 21 and officially registered with Academy District 20 to simultaneously enroll in their local high schools and in qualified institutions of higher learning. Interested students must meet eligibility and application criteria as identified by the statute and further defined by the district. Students should see the high school curriculum guide and counseling office for specifics regarding eligibility and application requirements.

****Fees:** Tuition is paid by the District but student is responsible for class fees and books. Student may be responsible for reimbursement of fees if final course grade is below a C.

Grade: 9-12

Fee: **See below

Type of Credit: varies per course / program

Health Sciences Program - CNA

To indicate your interest in signing up for these courses, select the course(s) as ALTERNATES. You will then [apply to the program](#) using the appropriate application process.

Nursing Assistant

Course Number: 074100A/B

Length: 1 Year

No. of Credits: 4 credits (2 credits per semester)

Prerequisite: None. Strong recommendation for concurrent or previous completion of Anatomy & Physiology. Counselor approval and application process.

Description: In this course, students will prepare for the nurse aide certification exam by expanding foundational healthcare skills and applying basic nursing theory to the practice of client care. Through lab-based simulations and clinical experiences, students will demonstrate nursing principles and competencies, restorative services, safety practices, and emergency care while they model professional skills.

***Special Note:** This is a set of college courses offered through Pikes Peak Community College (PPCC) and taught by PPCC instructors. Students who are accepted must enroll at PPCC and grades posted on transcripts will apply to both PPCC and Academy District 20.

***Special Note:** This is year-long double block course (i.e. Blue 1 and Blue 2) held at Liberty High School. District 20 does provide transportation to and from home high schools for the AM sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

***Special Note:** Students cannot begin clinicals and take the certifying exam until they reach the age of 16. Students must be 16 within 12 months of enrollment in the program.

****Fees:** \$100 for program supplies and expenses. Students must also pay for the background check (approx. \$75) and liability insurance (approx. \$25) before they can engage in clinicals. Students will also be responsible for the cost of the board exams (approx. \$150).

Health Sciences Program - EMT

To indicate your interest in signing up for these courses, select the course(s) as ALTERNATES. You will then [apply to the program](#) using the appropriate application process.

Emergency Medical Technician

Course Number: 079000A/B

Length: 1 Year

No. of Credits: 4 credits (2 credits per semester)

Prerequisite: B or better in junior level English and Algebra 2 (both semester) or PSAT or SAT Score of 470 in English and 500 in Math; strongly recommended to be enrolled in or have completed Anatomy and Physiology. Counselor approval and application process.

Description: In this course, students will prepare for the National Registry of Emergency Medical Technicians exam by applying foundational healthcare skills to the practice of basic emergency pre-hospital client care. Through classroom simulations and clinical experiences, students will demonstrate an understanding of basic anatomy and psychology, patient assessment, communication strategies, and emergency medical interventions.

***Special Note:** This is a set of college courses offered through Pikes Peak Community College (PPCC) and taught by PPCC instructors. Students who are accepted must enroll at PPCC and grades posted on transcripts will apply to both PPCC and Academy District 20.

***Special Note:** This is year-long double block course (i.e. Blue 1 and Blue 2) held at Liberty High School. District 20 does provide transportation to and from home high schools for the AM sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

***Special Note:** Students cannot begin clinicals and take the certifying exam until they reach the age of 18. Students must be 18 within 12 months of enrollment in the program.

****Fees:** \$100 for program supplies and expenses. Students must also pay for the background check (approx. \$75) and liability insurance (approx. \$25) before they can engage in clinicals. Students will also be responsible for the cost of the board exams (approx. \$150).

Teacher Cadet Program

To indicate your interest in signing up for these courses, select the course(s) as ALTERNATES. You will then [apply to the program](#) using the appropriate application process.

Teacher Cadet 1

Course Number: 191130 A/B

Length: 1 Year

No. of Credits: 1 or 2 credits (1 per semester)

Prerequisite:

Notes: This course is offered to all Academy District high schools and is hosted at Discovery Canyon Campus High School. Student must be able to provide their own transportation. Weighted grade status.

Description: Students will be involved in a fast-paced, innovative, hands-on curriculum where they gain knowledge about teaching and learning. Teacher cadets will develop and master effective skills that will be helpful in college and beyond such as presentations, public speaking, writing, communication, and reasoning. This is a yearlong, sequential, honors course with college credit options. Students will make a difference with children as they "try out" teaching in a "mini student teaching" experience. **Students will need to provide their own transportation to DCCHS.**

Teacher Cadet 2

Course Number: 191131 A/B

Length: 1 Year

No. of Credits: 1 or 2 credits (1 per semester)

Prerequisite:

Notes: This course is offered to all Academy District high schools and is hosted at Discovery Canyon Campus High School. Student must be able to provide their own transportation. Weighted grade status.

Description: This course is designed to provide additional field experience for those students who have completed the Teacher Cadet course. For students who know they want to enter the education profession, this field experience will enhance their experience and understanding of classroom instruction and the challenges facing education today. Field time will include field contact hours working with a mentor plus seminar time at the home high school. Field experience placement will consist of two sites, a different site each semester, to provide a variety of experiences. These will be documented in a culminating portfolio. ***Special Note: Students will need to provide their own transportation to DCCHS.**

Index of Courses

A Cappella Ensembles, 53
Academic Success, 84
Accounting 1, 28
Accounting 2, 28
Advanced Guitar, 49
Advanced Jazz Ensemble, 51
Advanced Marketing/DECA, 31
AF Jr ROTC 1, 88
AF Jr ROTC 2, 88
AF Jr ROTC 3, 89
AF Jr ROTC 4, 89
Algebra 1, 43
Algebra 2, 43
Algebra 3, 43
American Literature and Composition, 37
American Popular Culture, 74
American Sign Language I, 77
American Sign Language II, 77
American Sign Language III, 77
Anatomy and Physiology, 66
Ancient Civilization, 74
AP Biology, 64
AP Calculus AB, 45
AP Calculus BC, 45
AP Chemistry, 64
AP Computer Science A, 33
AP Computer Science Principles, 33
AP English Language and Composition, 38
AP English Literature and Composition, 39
AP Environmental Science, 65
AP European History, 71
AP Human Geography, 71
AP Music Theory, 49
AP Physics 1, 65
AP Physics 2, 65
AP Physics C, 65
AP Psychology, 72
AP Spanish Language, 82
AP Statistics, 46
AP Studio Art 2D, 25
AP Studio Art Drawing Portfolio, 26
AP US Government and Politics, 72
AP US History, 72
Applied Algebra, 43
Applied Geometry, 44
Applied Psychology, 74
Aquatic Sports and Conditioning, 59
Art 1, 20
Art 2, 20
Art 3, 20
Art 4, 20
Astronomy 1, 66
Automotive Service Technology 1, 90
Automotive Service Technology 2, 90
AVID 9, 91
AVID 10, 91
AVID 11, 91
AVID 12, 91
Basketball for Shooting Stars, 57
Beginning Guitar, 49
Beginning Music Theory, 49
Biology, 62
Building Construction Technology 1, 90
Building Construction Technology 2, 90
Business Finance 1, 28
Business Law 1, 28
Calculus 3: Multivariable, 46
Career Exploration & Internship, 29
Career Start Program, 92
Ceramics 1, 20
Ceramics 2, 21
Ceramics 3, 21
Ceramics 4, 21
Certified Nursing Assistant, 93
Chamber Orchestra, 51
Chamber Singers, 53
Chemistry, 62
Civics and Law, 70
CK-AP Cybersecurity 1 Network Fundamentals, 33
Class Piano, 50
Classroom Helpers, 84
Community Leadership, 84
Composition and Literature English 4, 37
Computer Art 1, 23
Computer Art 2, 23
Computer Commercial Art 1, 23
Computer Commercial Art 2, 23
Computer Graphic Design 1, 23
Computer Graphic Design 2, 24
Computer Graphic Design 3, 24
Concert Band, 51
Concurrent Enrollment Courses (CE), 93
Concurrent Enrollment - English Comp., 39
Concurrent Enrollment - US History, 72
Consumer Math, 47
Creative Marketing 1/DECA, 31
Creative Marketing 2/DECA, 31
Creative Writing 1, 40
Creative Writing 2, 40
Cybersecurity 2, 33
Digital Photography 1, 24
Digital Photography 2, 24
Economics, 74
Electronic Media 1, 29
Electronic Media 2, 29
Electronic Media 3, 29
Electronic Media 4, 29
Emergency Medical Technican, 94
English Lab, 40
Environmental Science, 62
Environmental Science 2, 62
Ethical Leadership, 30
Explorations in Western Philosophy, 75
Festival Singers, 53
Film as Literature 1, 40
Fitness Through Dance, 57
Fitness Yoga 1, 57
Fitness Yoga 2, 57
Forensic Science A, 66
Forensic Science B, 66
French 1, 78
French 2, 78
French 3, 78
Freshman Literature and Composition, 37
Freshman Success, 84
Game Programming, 34
Geometry, 44
German 1, 80

German 2, 80
 German 3, 80
 Graduation Capstone, 84
 Guided Study Hall, 86
 Health and Wellness, 57
 Honors Algebra 2, 45
 Honors American Literature and Composition, 38
 Honors American Sign Language IV, 77
 Honors Art, 25
 Honors Biology, 64
 Honors Biomedical Innovation, 68
 Honors Chemistry, 64
 Honors Economics, 71
 Honors French 4, 78
 Honors French 5, 79
 Honors Freshman Literature and Composition, 38
 Honors German 4, 80
 Honors German 5, 81
 Honors Human Body Systems, 68
 Honors Medical Intervention, 68
 Honors Portfolio Development Studio, 25
 Honors Pre-Calculus, 45
 Honors Principles of Biomedical Sciences, 68
 Honors Sophomore Language and Literature, 38
 Honors Spanish 4, 82
 Honors World History/Geography, 71
 Intermediate Guitar, 50
 Introduction to Physical Education, 58
 ISSA Hairstylist 1, 92
 ISSA Hairstylist 2, 92
 IT Fundamentals, 34
 It's Your Business: An Introduction, 30
 Jazz Ensemble, 51
 Jewelry Making 1, 21
 Jewelry Making 2, 21
 La Cultura Hispana, 83
 Lifeguard Training, 60
 Lifelong Team Sports 1, 58
 Marching Band / Color Guard, 51
 Marketing 1/DECA, 31
 Marketing 2/DECA, 31
 Marketing Co-op (On the Job Training), 31
 Modified Health and Wellness, 58
 Multicultural Literature, 40
 Music Appreciation, 50
 Musical Theatre 1, 55
 Mythology, 41
 NCAA Eligibility Center, 97
 Oracle Database Academy 1: DM/SQL, 34
 Partial Absence, 84
 Peer Partner, 85
 Peer Performing Arts, 50
 Peer Tutor, 85
 Physics, 63
 Power Volleyball, 58
 Pre-Calculus, 44
 Programming 1: C++, 34
 Programming 2: C++, 34
 Psychology, 75
 Racquet Sports 1, 58
 Rocky Mountain High 1, 58
 Science in the Imagination, 67
 Sculpture, 21
 Sculpture 2, 22
 Sociology, 75
 Sophomore Language & Literature, 37
 Spanish 1, 82
 Spanish 2, 82
 Spanish 3, 82
 Special Programs - Course Descriptions, 88
 Speech, 41, 55
 Speed Training, 59
 Statistics, 47
 Street Law, 75
 String Orchestra, 52
 Student Government, 85
 Symphonic Band, 52
 Teacher Assistant, 86
 Teacher Cadet 1, 94
 Teacher Cadet 2, 94
 Technical Theatre 1, 54
 Tenor Bass Choir, 53
 Theater 1, 54
 Theater 2, 54
 Theatre 3: Advanced Acting, 54
 Theatre 4: Directing, 54
 Treble Choir, 53
 US History, 70
 Web Design 1, 34
 Web Design 2, 35
 Weights and Fitness 1, 59
 Weights and Fitness 2, 59
 Wind Ensemble, 52
 Women Weights & Fitness, 59
 Worksheet - Grad Requirements, 99
 World History/Geography, 70
 Yearbook, 30
 Zoology 1, 67
 Zoology 2, 67

HIGHER EDUCATION ADMISSIONS REQUIREMENTS

Four-year colleges in Colorado know that academic preparation in English and math will help students be more likely to succeed in college. Higher Education Admissions Recommendations (HEAR) is one factor that four-year institutions consider in the admission process.

HEAR is outlined by the Colorado Department of Education (CDE) to include a certain level of math, English, physical sciences, social sciences, foreign languages and electives, [see the recommendations at the CDE](#). Private colleges and universities set their own admission standards, so students should contact those institutions directly for information regarding their enrollment policies. Additionally, public two-year colleges have open enrollment policies, meaning that students applying to these schools do not need to meet HEAR. College Admissions information for the state of Colorado can be found at [Colorado Department of Higher Education](#).

HB 05-1057 requires districts to provide parents a list of courses the district has available that satisfy the CCHE's Higher Education Admission Guidelines. The HEAR document is a current list of courses in Academy District 20 that meet those criteria.

To view or download the list of Academy District 20's HEAR courses, please visit the [D20 HEAR page](#).

NCAA ELIGIBILITY

To be a qualified NCAA-eligible student athlete, students must meet requirements for coursework, test scores, and grade point average. Student athletes who intend to compete in college should discuss their plans and these requirements with their grade-level counselors. For detailed information, visit the [NCAA Eligibility Center website](#).

FREQUENTLY ASKED QUESTIONS

For more detail, go to <http://higherred.colorado.gov/Academics/Admissions/faq.html>

Q: Will completion of the pre-collegiate course requirement as part of finishing my high school requirements guarantee my admission to a four-year college or university in Colorado?

A: No. The pre-collegiate course requirement is an addition to the CCHE Admissions Standards Policy for public higher education institutions. All four-year public institutions in Colorado have selective admission requirements articulated in the Admissions Standards Policy. **Further, colleges and universities may have institutional admissions requirements that go beyond the pre-collegiate courses and the selective admissions standards established for each institution. Students are advised to work closely with the admissions staff at the college/university of choice for complete information about admission requirements.** Keep in mind that all two-year colleges in Colorado have open admissions policies. The pre-collegiate admissions requirements do not apply to students entering a community college or to students entering Metropolitan State University of Denver if they are 20 years old or older.

Q: I have a disability. Will I have to complete the pre-collegiate Admissions Requirements?

A: Yes. The pre-collegiate course requirements and the selective admissions standards will be factors in the admission decision for all students, even if an identified disability has resulted in a modified high school curriculum. In accordance with Section 504 of the Rehabilitation Act of 1973 (Section 504) and Title II of the Americans with Disabilities Act of 1990 (Title II), Colorado's collegiate institutions do not discriminate on the basis of the presence of a disability. However, to qualify for academic accommodations at a postsecondary institution, students with disabilities must first meet the institution's "essential admissions requirements." The pre-collegiate curriculum constitutes an essential admission requirement. For more information about the federal guidelines regarding students with disabilities in the college/university setting, go to <http://www.ed.gov/about/offices/list/ocr/transition.html>.

Q: What options do I have if I haven't completed the pre-collegiate course requirements and I graduate in spring 2008 or later?

A: You have at least three. You may qualify for admission to a Colorado public four-year institution even if you haven't completed the prescribed pre-collegiate courses. Institutions may make an exception and admit a specific percentage of students based on criteria other than the pre-collegiate Admissions Requirements and the CCHE freshmen index. A second option is to enroll in a community college, all of which have open admissions, and, after successfully completing a college-level course in each of the four academic areas (i.e., English, mathematics, natural science, and social science), apply for admission to a four-year public institution as a transfer student. Finally, CCHE will identify assessment options by June 2006, which you may substitute for specific courses of the pre-collegiate Admissions Requirements once they are adopted by the Commission.

Q: What are some other things I should do while I'm in high school to prepare me for college?

A: Do your best in your classes. Keep in mind that most colleges give preference to students who challenge themselves throughout high school over those who take easier classes and get a higher grade point average. Explore whether you want to take Advanced Placement courses or pursue an International Baccalaureate diploma program. You may also want to enroll for dual credit classes that allow you to earn college credit while in high school through the Post-Secondary Enrollment Options Program. Your school counselor can provide you with details on each of these opportunities. Get involved in activities such as clubs, music, sports, and/or volunteer work. When you have an opportunity, try some leadership roles in these activities.

GRADUATION REQUIREMENTS WORKSHEET (50 CREDITS)

English 8 credits								
Math 6 credits							S1 S2 <input type="checkbox"/> <input type="checkbox"/> Algebra 1 <input type="checkbox"/> <input type="checkbox"/> Geometry <input type="checkbox"/> <input type="checkbox"/> Lab Science <input type="checkbox"/> <input type="checkbox"/> Lab Science	
Science 6 credits								
Social Science 3 credits				<input type="checkbox"/> <input type="checkbox"/> World History				
Civics 1 credit								
US History 2 credits								
World Lang 2 credits								
Core Electives * 6 credits								
Physical Education 3 credits								
Health 1 credit								
Arts ** 1 credit								
Unrestricted Electives 11 credits								

* Core: Includes English, Math, Science, Social Science, and World Language

** Arts: Includes visual & performing arts