Pine Creek High School

2020-21 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
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Mr. Eric Hulen, Athletic Director and Assistant Principal, Class of 2024
Mr. Matt Mahan, Assistant Principal, Class of 2023
Ms. Levka Craft, Assistant Principal, Class of 2022
Mr. Joshua Trahan, Assistant Principal, Class of 2021

Counseling
Ms. Kelley Stewart – Counselor, Class of 2024
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Mr. Mitchell Boyczuk – Counselor, Class of 2021

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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:

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 every student in a safe and nurturing environment and to provide comprehensive, challenging curricular and extracurricular opportunities that meet the unique needs of every individual by expanding interests, enhancing abilities, and equipping every student with the knowledge, skills, and character essential to being a responsible citizen of our community, our nation, and the world.
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 graduate careers or higher education, students should select courses which are related to their post-secondary plan and are academically demanding. Courses must align with Colorado Academic Standards and integrate 21st Century skills. The course work 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 students, counselors will review and update these plans annually, beginning in sixth grade when students shall be advised of available high school course pathways.

Course work 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. Specific requirements may be waived with the approval of the principal. Appeals will be directed to the Deputy Superintendent. A minimum of 50 units of credit shall be required for graduation from high school. Students must have completed all graduation requirements (50 credits) to be eligible for participation in commencement exercises.

For students graduating in the 2020-2021 school year, and for each graduating class thereafter, students must:

I. Meet coursework requirements. These requirements, listed in the table below have not changed for the class of 2021. 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 English language arts (ELA). This Colorado Department of Education requirement is new for the class of 2021. During each of the past three school years, Academy District 20 has convened a task force to develop procedures and options to meet the needs of all D20 students.

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credits</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>8</td>
<td>Grade-specific English courses only. English electives do not count toward graduation requirements.</td>
</tr>
<tr>
<td>Science</td>
<td>6</td>
<td>Four of the six credits must be from laboratory science classes.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>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.</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>Social Science requirements include two required credits of U.S. History and one credit of Civics.</td>
</tr>
<tr>
<td>World Language</td>
<td>2</td>
<td>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.</td>
</tr>
<tr>
<td>Core Electives</td>
<td>6</td>
<td>Core elective requirements include courses in English, world language, mathematics, science, and social science.</td>
</tr>
<tr>
<td>Physical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td>1</td>
<td>Arts requirements include visual and performing arts.</td>
</tr>
<tr>
<td>Unrestricted Electives</td>
<td>11</td>
<td>Credits earned beyond the requirements listed above will count as unrestricted elective credit</td>
</tr>
<tr>
<td>TOTAL</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

Students may demonstrate proficiency in math and/or ELA by any one of the following:

- 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 ELA that aligns with their ICAP.
General Information

Pine Creek High school makes every effort to create a comprehensive master scheduled designed to fit student’s academic needs. All freshmen, sophomores and juniors must carry 8 classes per semester. Seniors must carry a minimum of 6 classes per semester. Partial Absences (see Counseling for form) must be approved for those juniors and/or seniors carrying less than 8 classes per semester.

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.

<table>
<thead>
<tr>
<th>Year in High School</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st year in high school</td>
<td>Freshman (9)</td>
</tr>
<tr>
<td>2nd year in high school</td>
<td>Sophomore (10)</td>
</tr>
<tr>
<td>3rd year in high school</td>
<td>Junior (11)</td>
</tr>
<tr>
<td>4th year in high school</td>
<td>Senior (12)</td>
</tr>
</tbody>
</table>

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

Marking System

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>96.5</td>
</tr>
<tr>
<td>A</td>
<td>93.5</td>
</tr>
<tr>
<td>A-</td>
<td>89.5</td>
</tr>
<tr>
<td>B+</td>
<td>86.5</td>
</tr>
<tr>
<td>B</td>
<td>53.5</td>
</tr>
<tr>
<td>B-</td>
<td>79.5</td>
</tr>
<tr>
<td>C+</td>
<td>76.5</td>
</tr>
<tr>
<td>C</td>
<td>73.5</td>
</tr>
<tr>
<td>C-</td>
<td>69.5</td>
</tr>
<tr>
<td>D+</td>
<td>66.5</td>
</tr>
<tr>
<td>D</td>
<td>63.5</td>
</tr>
<tr>
<td>D-</td>
<td>59.5</td>
</tr>
<tr>
<td>F</td>
<td>&lt;59.5</td>
</tr>
</tbody>
</table>

Grade Point Averages

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

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Honors/AP Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5.0</td>
</tr>
<tr>
<td>B</td>
<td>4.0</td>
</tr>
<tr>
<td>C</td>
<td>3.0</td>
</tr>
<tr>
<td>D</td>
<td>2.0</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>

NC: no credit, not used in computation
WP: withdraw pass, not used in computation
WF: withdraw fail, used in computation
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.

Transfer Credits

Letter grades: Academy District 20 high schools use letter grades. In the event that 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, District 20 high schools will transfer the grade as a letter grade based on the individual school’s grading standards.
**Weighted grades**: For students transferring into a 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 criteria:

- 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 that is a district-wide weighted 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.

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.

**Grade Reports and Transcripts**

**D20 high schools do not mail reports 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 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.

**Valedictorian/Honor Graduates**

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 his/her sixth and seventh semesters full-time at Pine Creek. The GPA shall be computed on a weighted scale from all classes (courses) through the completion of the seventh semester. Honor graduates are those full-time students with a cumulative, weighted GPA at or above 3.75.

**Graduation Honors and Regalia Policy**

Honor graduates wear cords or medals during the graduation ceremony indicating their Pine Creek High School academic achievements. Students with a cumulative, weighted GPA of 3.75-3.99 wear the green/blue/white honor cord. 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. The division of recognition will be determined by dividing the number of honor graduates with a 4.0 or above into thirds.

Students who are members of national honor societies with active, sponsored chapters at Pine Creek may wear the individual honors cords of their societies. Chapter advisors award the honors cords during a chapter ceremony. Additionally, Pine Creek awards honor cords to those graduates who earn straight A’s for eight semesters (purple cord) and/or straight A’s for their senior year (red cord). 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. 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.

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. These are students who represent Pine Creek’s norms of trust, communication, positive climate, passion, community, learning, and responsibility. 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.”

Nominated 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). In order for students to earn an activity nomination, they must be eligible to earn a letter in two or more activities. In order 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.

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; alternates are taken into consideration when building schedules and may appear in 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

<table>
<thead>
<tr>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic misplacement</td>
</tr>
<tr>
<td>Challenge by choice (to increase challenge)</td>
</tr>
<tr>
<td>To add a course needed for graduation</td>
</tr>
<tr>
<td>To drop a course when pre-requisites have not been met</td>
</tr>
<tr>
<td>To add a partial absences</td>
</tr>
<tr>
<td>Empty blocks in schedules</td>
</tr>
</tbody>
</table>

Inappropriate Schedule Change Requests

<table>
<thead>
<tr>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requests for teacher change</td>
</tr>
<tr>
<td>Being in a class with friends</td>
</tr>
<tr>
<td>Changing a class to a different block, or to change lunch</td>
</tr>
<tr>
<td>Elective changes</td>
</tr>
</tbody>
</table>

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 transcripted 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 transcripted 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. A student wishing to take correspondence courses should contact his/her counselor for the procedure and secure prior approval with an administrator.
2. All classes must be pre-approved and students/parents must complete the appropriate paperwork.
3. A maximum of two units of credit (2 semesters or a 1-year course) may be earned for 9th and 10th grade combined. A maximum of two units of credit (2 semesters or a 1-year course) may be earned each year for 11th and 12th grades. 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 Community College, online). Correspondence credits cannot fulfill specific graduation requirements (i.e. English or U.S. History as required), unless the course is to make-up a course that was failed.

Withdrawal Procedure
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.
2. Return all textbooks, library books, and school technology (iPads 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.

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 HEAR information later in this guide.

More information can be found at www.state.co.us/cche_dir/hecche.html or www.collegeincolorado.org.

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 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.

Each course curriculum also includes a culminating capstone project designed to reflect a student’s deep engagement with the specific discipline, question, or problem. The Honors Project may require writing, research, and/or performance (specific requirements provided by classroom teacher.” 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 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/creditandplacement/search-credit-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 District 20 approval to award weighted credit.

An AP Exam
Students are expected to pay an exam fee prior to the close of 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.

<table>
<thead>
<tr>
<th>2020-21 Estimated Exam Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100/exam</td>
</tr>
<tr>
<td>AP FEES MUST BE PAID BEFORE THE END OF 1ST SEMESTER</td>
</tr>
</tbody>
</table>

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
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 of $20, and participate in social and service activities as established by the Executive Committee for each academic year. Members must maintain a minimum 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
Please contact the Athletic Director, for questions at 719/234-2651 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 www.eligibilitycenter.org. 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/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 www.eligibilitycenter.org 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.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years, 8 credits</td>
</tr>
<tr>
<td>Math</td>
<td>4 years, 8 credits - Algebra I, Geometry, Algebra II or equivalents</td>
</tr>
<tr>
<td>Natural/Physical Sciences</td>
<td>3 years, 6 credits</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>3 years, 6 credits - 1 Year of U.S. or World History</td>
</tr>
<tr>
<td>Academic Electives</td>
<td>2 years, 4 credits - Additional courses from above areas and/or world languages</td>
</tr>
<tr>
<td>World Language</td>
<td>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.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years - With a continued emphasis on writing</td>
</tr>
<tr>
<td>World Language</td>
<td>4 years - All study completed in one language</td>
</tr>
<tr>
<td>Math</td>
<td>4 years - Preferably including an introduction to Calculus</td>
</tr>
</tbody>
</table>
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 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

Art 1
Grades 9-12
1 Semester

Art 2
Grades 9-12
1 Semester

Art 3
Grades 10-12
1 Semester

Art 4
Grades 11-12
1 Semester

Ceramics 1
Grades 9-12
1 Semester

Ceramics 2
Grades 9-12
1 Semester

Ceramics 3
Grades 10-12
1 Semester

Ceramics 4
Grades 11-12
1 Semester

Sculpture
Grades 9-12
1 Semester

Sculpture 2
Grades 9-12
1 Semester

Commercial Art 1
Grades 9-12
1 Semester

Commercial Art 2
Grades 9-12
1 Semester

Computer Graphic Design 1
Grades 9-12
1 Semester

Computer Graphic Design 2
Grades 9-12
1 Semester

Computer Graphic Design 3
Grades 10-12
1 Semester

Computer Art 1
Grades 9-12
1 Semester

Computer Art 2
Grades 9-12
1 Semester

Digital Photography
Grades 9-12
1 Semester

Digital Photography 2
Grades 9-12
1 Semester

Honors & AP Courses

Honors Art
Grades 11-12
1 Semester
(With approval)

AP Studio Art 2D
Grades 11-12
1 Year

Honors Portfolio Development Studio
Grades 11-12
2 Years

AP Studio Drawing Portfolio
Grades 11-12
1 Year
Art – Course Descriptions

2D ART

Art 1
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, water color and tempera.

Art 2
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, charcoal, color pencil, printmaking, acrylic, water colors, 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.*

Art 3
Course Number: 020010
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: Art 2 or instructor’s 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.*

Art 4
Course Number: 020015
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: Art 3 or instructor’s 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.*

3D ART

Ceramics 1
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.
**Ceramics 2**
**Course Number:** 023005  
**Length:** 1 Semester  
**No. of Credits:** 1 credit  
**Grade:** 9-12  
**Fee:** $35  
**Type of Credit:** Fine Arts or Elective  
**Prerequisite:** Ceramics 1 or instructor approval  
**Description:** This course will include and 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.*

**Ceramics 3**
**Course Number:** 023010  
**Length:** 1 Semester  
**No. of Credits:** 1 credit  
**Grade:** 10-12  
**Fee:** $35  
**Type of Credit:** Fine Arts or Elective  
**Prerequisite:** Ceramics 2, or instructor’s 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.*

**Ceramics 4**
**Course Number:** 023015  
**Length:** 1 Semester  
**No. of Credits:** 1 credit  
**Grade:** 11-12  
**Fee:** $35  
**Type of Credit:** Fine Arts or Elective  
**Prerequisite:** Ceramics 3 or instructor’s 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 within a Ceramics 1, 2, or 3 class with instructor’s 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.*

**Sculpture**
**Course Number:** 028000  
**Length:** 1 semester  
**No. of Credits:** 1 credit  
**Grade:** 9-12  
**Fee:** $35  
**Type of Credit:** Fine Arts or Elective  
**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 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  
**Grade:** 9-12  
**Fee:** $35  
**Type of Credit:** Fine Arts or Elective  
**Prerequisite:** Sculpture 1  
**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**

Course Number: 026015  
Grade: 9-12  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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.*

**Computer Art 2**

Course Number: 026020  
Grade: 10-12  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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.*

**Computer Commercial Art 1**

Course Number: 020020  
Grade: 9-12  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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.*

**Computer Commercial Art 2**

Course Number: 020025  
Grade: 10-12  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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 ACA certified upon completion.*

**Computer Graphic Design 1**

Course Number: 026025  
Grade: 9-12  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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.*
**Computer Graphic Design 2**

Course Number: 026030  
Grade: 10-12  
Length: 1 Semester  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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 ACA certified upon completion.*

**Computer Graphic Design 3**

Course Number: 026035  
Grade: 10-12  
Length: 1 Semester  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
Prerequisite: Computer Graphic Design 2 or instructor approval.  
Description: 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 ACA certified upon completion.*

**Digital Photography 1**

Course Number: 026050  
Grade: 9-12  
Length: 1 Semester  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
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.*

**Digital Photography 2**

Course Number: 026055  
Grade: 10-12  
Length: 1 Semester  
Fee: $30  
No. of Credits: 1 credit  
Type of Credit: Fine Arts or Elective  
Prerequisite: Digital Photography 1 or instructor’s 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 ACA certified upon completion.*
Honors Art

Course Number: 020030
Length: 1 Semester
No. of Credits: *1 credit
Prerequisite: *1 credit

Grade: 11-12
Fee: $35

Type of Credit: Fine Arts or Elective

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.

Notes: Weighted grade status

Honors Portfolio Development Studio

Course Number: 029005A/B
Length: 1 Year
No. of Credits: *2 credits, 1 per semester weighted
Prerequisite: Instructor Approval

Grade: 10-12
Fee: $30

Type of Credit: Fine Arts or Elective

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.

AP Studio Art 2D

Course Number: 020040 A/B
Length: 1 Year
No. of Credits: *2 credits (1 credit/semester)
Prerequisite: Art 4, Honors Art or teacher approval

Grade: 11-12
Fee: $80, 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 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.

AP Studio Art Drawing Portfolio

Course Number: 020050 A/B
Length: 1 Year
No. of Credits: *2 credits (1 credit/semester)
Prerequisite: Art 4, Honors Art or teacher approval

Grade: 11-12
Fee: $80, 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.
Accounting 1
Course Number: 031000 A/B
Length: 1 Year
No. of Credits: 1 credit
Prerequisite: None
Grade: 10-12
Fee: $25
Type of Credit: Elective
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 2
Course Number: 031005 A/B
Length: 1 Year
No. of Credits: 1 credit
Prerequisite: Accounting 1
Grade: 11-12
Fee: $25
Type of Credit: Elective
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.

Business Finance 1
Course Number: 034605
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Grade: 11-12
Fee: None
Type of Credit: Elective
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.

Business Law 1
Course Number: 033300
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Grade: 10-12
Fee: None
Type of Credit: Elective
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.

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.
**It’s Your Business: An Introduction**

Course Number: 030005  
Grade: 9-12  
Length: 1 Semester  
Fee: None  
No. of Credits: 1 credit  
Type of Credit: Elective  
Prerequisite: None  

**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.

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**Yearbook**

Course Number: 054900 A/B  
Grade: 9-12  
Length: 1 Year; may be repeated for credit  
Fee: None  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Core Elective  
Prerequisite: Previous experience or approval of advisor (application required)

**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.*
**Marketing 1/DECA**

Course Number: 040000 A/B  
Length: 1 Year  
No. of Credits: 2 credits (1 credit per semester)  
Grade: 9-12

**Marketing 2/DECA**

Course Number: 040005 A/B  
Length: 1 Year  
No. of Credits: 2 credits (1 credit per semester)  
Grade: 10-12

**Advanced Marketing/DECA**

Course Number: 040010 A/B  
Length: 1 Year  
No. of Credits: 2 credits (1 credit per semester)  
Grade: 11-12

**Creative Marketing 1/DECA**

Course Number: 040021  
Length: 1 Semester  
No. of Credits: 1 credit  
Fee: $55 DECA Local/State/National Dues

**Creative Marketing 2/DECA**

Course Number: 040026  
Length: 1 Semester  
No. of Credits: 1 credit  
Fee: $55 DECA Local/State/National Dues

**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)  
Fee: None

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**Description:**
- **Marketing 1/DECA:** 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.
- **Marketing 2/DECA:** Students will increase knowledge and proficiency in the areas introduced in previous marketing courses. This course is designed for students who have successfully completed three years of Marketing/DECA.
- **Advanced Marketing/DECA:** Students will continue to build upon knowledge and skills learned in previous marketing courses. This course is designed for students who have successfully completed three years of Marketing/DECA.
- **Creative Marketing 1/DECA:** 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.
- **Creative Marketing 2/DECA:** 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.
- **Marketing Co-op (On the Job Training):** Students will learn job-related skills via on-the-job training in a marketing related occupation.
Marketing Entrepreneurship 1
Course Number (Year): 040045 A/B
Course Number (Semester): 040045
Length: 1 Year or 1 Semester
No. of Credits: 1 or 2 credits (1 credit per semester)
Prerequisite: Must be concurrently enrolled in a marketing course and instructor approval
Notes: This course may be taken for college credit
Description: Students will learn about marketing by participation in retail situations. Topics include inventory control, merchandising, advertising, customer service, and employee relations.

Grade: 10-12
Fee: None
Type of Credit: Elective

Marketing Entrepreneurship 2
Course Number (Year): 040050 A/B
Course Number (Semester): 040050
Length: 1 Year or 1 Semester
No. of Credits: 1 or 2 credits (1 credit per semester)
Prerequisite: Must be concurrently enrolled in a marketing course and instructor approval
Notes: This course may be taken for college credit
Description: Students will learn about marketing by participation in retail situations. Topics include inventory control, merchandising, advertising, customer service, and employee relations.

Grade: 10-12
Fee: None
Type of Credit: Elective
Technology for Education
Required Grade 9
1 Semester

Oracle Database Academy 1: DM/SQL
Grades 10-12
1 Year

Electronic Media 1
Grades 9-12
1 year

Electronic Media 2
Grades 10-12
1 Year

Web Page Programming
Grades 9-12
1 Semester

Web Design 2
Grades 10-12
1 Semester

Computer Assistant
Grades 10-12
1 Semester

Programming 1
Grades 9-12
1 Semester

Programming 2
Grades 9-12
1 Semester

AP Computer Science
Grades 10-12
1 Year

AP Comp. Science Principles
Grades 9-12
1 Year

Game Programming
Grades 9-12
1 Semester

Mobile Apps Programming
Grades 9-12
1 Semester

(8th Grade) PLTW Gateway to Technology III
(offer in middle school)
**Computer Science – Course Descriptions**

**AP Computer Science**

Course Number: 160000 A/B  
Grade: 10-12  
Length: 1 Year  
Fee: $20 and AP exam fee  
No. of Credits: 2 credits (1 credit per semester)  
Type of Credit: Core Elective  
Prerequisite: Successful completion of Programming 2 or instructor approval. Oracle Database Academy recommended, but not required.  
Notes: Weighted grade status. This course may be taken for math or elective credit. **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 may take the Oracle Java Foundations Certification Exam.**

**AP Computer Science Principles**

Course Number: 160015 A/B  
Grade: 9-12  
Length: 1 Year  
Fee: $20 and AP exam fee  
No. of Credits: 2 credits (1 credit per semester)  
Type of Credit: Core Elective  
Prerequisite: Successful completion of Programming 1 or PLTW Gateway to Technology III course in 8th Grade.  
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.**

**Computer Assistant**

Course Number: 160005  
Grade: 10-12  
Length: 1 Semester  
Fee: None  
No. of Credits: 1 credit  
Type of Credit: Elective  
Prerequisite: Permission of instructor  

**Description:** Upon completion of this course the student will be able to successfully maintain/troubleshoot basic computer problems as well as networking issues. The student will be able to exchange hardware parts on a PC and understand the basic theories regarding computer printer repairs. The importance of PC/network security and life cycle management will also be discussed. **Students will work in a hands-on environment, learning computer support principles and customer service. Students must be responsible and reliable. See your counselor for a copy of the Computer Assistant Contract, which must be completed before enrollment in the course.**

**Electronic Media 1 (PCTV)**

Course Number: 191090 A/B  
Grade: 9-12  
Length: 1 Year  
Fee: $25  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Elective  
Prerequisite: None  
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 will master innovative techniques in editing digital video, manipulating still photography and computer-designed graphics, and producing professional-quality television broadcasts. This class is responsible for the production of PCTV, Pine Creek High School's News Broadcast Media program. 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 (PCTV)**

**Course Number:** 191095A/B  
**Grade:** 10-12  
**Length:** 1 Year  
**Fee:** $25  
**No. of Credits:** 2 credits (1 per semester)  
**Type of Credit:** Elective  
**Prerequisite:**  
**Description:** Students will continue to expand their knowledge and use of techniques of storytelling, and audio/video production and post-production and distribution methods.

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**Game Programming**

**Course Number:** 163005  
**Grade:** 9-12  
**Length:** 1 Semester  
**Fee:** $10  
**No. of Credits:** 1 credit  
**Type of Credit:** Elective  
**Prerequisite:** Programming 1 required. Programming 2 recommended, but not required.

**Description:** This 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.

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**IT Fundamentals**

**Course Number:** 169020  
**Grade:** 9-12  
**Length:** 1 Semester  
**Fee:** TBD  
**No. of Credits:** 1 credit  
**Type of Credit:** Elective  
**Prerequisite:** Technology for Education recommended

**Description:** This course will teach students the fundamentals of mobile application design and programming. Students will add to their foundation in computer science by developing engaging and relevant mobile apps. This course is project-based, emphasizing computational thinking, problem solving, writing, communication, collaboration, and creativity. Applications for Android devices will be the primary focus, but the course may include projects for other mobile platforms as well. Students do not need to provide their own devices; Android tablets will be available for student use.

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**Oracle Database Academy 1: DM/SQL**

**Course Number:** 162035 A/B  
**Grade:** 10-12  
**Length:** 1 Year  
**Fee:** $10  
**No. of Credits:** 2 credits (1 credit per semester)  
**Type of Credit:** Core Elective  
**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 may take the Oracle Database Foundations Certification Exam.

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**Programming 1: C++**

**Course Number:** 163015  
**Grade:** 9-12  
**Length:** 1 Semester  
**Fee:** $10  
**No. of Credits:** 1 credit  
**Type of Credit:** Core Elective  
**Prerequisite:** Algebra 1 or instructor approval

**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.

**Programming 2: C++**

- **Course Number:** 163020
- **Length:** 1 Semester
- **No. of Credits:** 1 credit
- **Prerequisite:** Programming 1 or instructor approval
- **Grade:** 9-12
- **Fee:** $10
- **Type of Credit:** Core Elective

**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.

**Technology for Education**

- **Course Number:** 161050
- **Length:** 1 semester
- **No. of Credits:** 1 credit
- **Prerequisite:** None
- **Grade:** 9-12
- **Fee:** $10
- **Type of Credit:** Elective

**Description:** Students will learn basic and intermediate skills in a variety of mobile, online, and computer applications to create projects and documents that reflect professional communication and formatting standards. Additionally, students will learn electronic professional communication expectations and the elements of digital citizenship, including information literacy, internet safety, appropriate use of source material and appropriate citation, privacy and security, and the creation of a positive digital footprint. *This course is required for all freshmen and all students new to Pine Creek.*

**Web Page Programming**

- **Course Number:** 163035
- **Length:** 1 Semester
- **No. of Credits:** 1 credit
- **Prerequisite:** None
- **Grade:** 9-12
- **Fee:** $10
- **Type of Credit:** Elective

**Description:** Students will learn the basics of web page programming through several different methods and tools, including HTML, JavaScript, Cascading Style Sheets, and web page development software. Students will also learn how to incorporate other related data (such as graphics, photos, and text) into web pages. Routers, servers, and configuration management will also be discussed, and students will develop their own web pages. *Successful students in this course may earn college credit through Pikes Peak Community College.*

**Web Design 2**

- **Course Number:** 163030
- **Length:** 1 Semester
- **No. of Credits:** 1 credit
- **Prerequisite:** Web Page Programming
- **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 principals, site architecture and navigation for web sites that employ more complex structures.
## Core Courses

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<th>Grade</th>
<th>Duration</th>
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</thead>
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<td>9</td>
<td>1 Year</td>
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<tr>
<td>World Literature &amp; Composition</td>
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<tr>
<td>American Literature &amp; Composition</td>
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<tr>
<td>Composition and Literature English 4</td>
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<tr>
<td>Career Start English (Career Start Participants)</td>
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<tr>
<td>British Literature</td>
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<td>1 Year</td>
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## Honors & AP Courses

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<tr>
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<tr>
<td>Honors Freshman Literature &amp; Composition</td>
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<td>AP Language &amp; Composition</td>
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## Elective Courses

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<td>Creative Writing 1</td>
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<td>1 Semester</td>
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<tr>
<td>Creative Writing 2</td>
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<td>1 Semester</td>
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<tr>
<td>Forensics/Speech/Debate 1</td>
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<tr>
<td>Forensics/Speech/Debate 2</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Reading Lab 1</td>
<td>9-12</td>
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<tr>
<td>Reading Lab 2</td>
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<tr>
<td>Film as Literature</td>
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<tr>
<td>Speech</td>
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<td>English Lab</td>
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<td>1 Semester/1 Year</td>
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<tr>
<td>Mythology</td>
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<td>1 Semester</td>
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<tr>
<td>Women in Literature</td>
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<tr>
<td>Multicultural Literature</td>
<td>10-12</td>
<td>1 Semester</td>
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</tbody>
</table>
English – Course Description

**Core Courses**

**Freshman Literature and Composition ➤ H/N**

Course Number: 053100 A/B  
Grade: 9  
Length: 1 Year  
Fee: None  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: English  
Prerequisite: None  
Notes: None  

**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.

**World Literature and Composition ➤ H/N**

Course Number: 053115 A/B  
Grade: 10  
Length: 1 Year  
Fee: None  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: English  
Prerequisite: None  
Notes: None  

**Description:** This course emphasizes the study of world literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills.  
**This course is a combined study of world literature and composition with an emphasis on research writing, vocabulary (including Greek and Latin roots), and oral communication.**

**American Literature and Composition ➤ H/N**

Course Number: 053145 A/B  
Grade: 11  
Length: 1 Year  
Fee: None  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: English  
Prerequisite: None  
Notes: None  

**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.**

**Career Start English**

Course Number: 050061 A/B  
Grade: 11-12  
Length: 1 Year  
Fee: None  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: English  
Prerequisite: Must be enrolled in Career Start (previously called the Area Vocational Program). Successful completion of Freshman English, request of student, recommendation by current English teacher and/or request of counselor  

**Description:** CS English is designed for students enrolled in the CS program at Pikes Peak Community College. The students meet daily for fifty minutes. This course emphasizes critical thinking and writing skills, interpretive reading, and vocabulary development. Students will delve into significant works by American and British authors.  
**This course emphasizes writing skills (technical and other), reading skills, speaking skills, computer basics, responding to literature, and career exploration. Students enrolled in Career Start (formerly AVP) must take this course.**
Composition and Literature English 4 ★ H/N

Course Number: 050025 A/B
Length: 1 Year
No. of Credits: 2 credits (1 per semester)
Prerequisite: 3 Years of 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 contemporary literature 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.

British Literature and Composition ★ H/N

Course Number: 053165 A/B
Length: 1 Year
No. of Credits: 2 credits (1 per semester)
Prerequisite: 3 Years of English

Description: In this course, students will read, study, and interpret representative works of British Literature from each of the major literary periods from Anglo-Saxon to Modern. Students will also strengthen their writing skills, learn, and utilize various rhetorical strategies, and sharpen critical thinking skills. **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 British Literature. The writing for this course is an extension of those writing skills mastered through the eleventh grade and anticipates the analytical, research, and persuasive writings students will need to do at the university level. This course also includes college preparatory work to include but not limited to the college application essay, an academic resume, and netiquette for the real world. 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.

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.

Honors World Literature and Composition ★ H/N

Course Number: 053120 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.

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 world literature through representative significant works. **Objectives for this course include those found in World Literature & Composition, but at an accelerated pace and with substantially higher expectations for academic work ethic and student work quality.** Instruction will also focus on reinforcement of critical and analytical thinking, and advanced reading and writing skills. Advanced, accelerated, in-depth work is required (especially with full-text literary selections) together with a high level of task commitment.
Honors American Literature and Composition ► H/N
Course Number: 053150 A/B
Grade: 11-12
Length: 1 Year
Fee: None
No. of Credits: 2 credits (1 per semester)
Type of Credit: English
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. 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 United States Literature and Composition but at 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.

AP English Language and Composition ► H/N
Course Number: 053175 A/B
Grade: 11-12
Length: 1 Year
Fee: AP exam fee
No. of Credits: 2 credits (1 per semester)
Type of Credit: English
Prerequisite: Summer reading is mandatory. Students should obtain reading list before summer break.
Notes: Weighted grade status. Students in this AP class are strongly encouraged to take the AP exam.
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 to take the national Advanced Placement Language and Composition Exam. This course includes a study of rhetoric and argumentation.

AP English Literature and Composition ► H/N
Course Number: 054000 A/B
Grade: 11-12
Length: 1 Year
Fee: AP exam fee
No. of Credits: 2 credits (1 per semester)
Type of Credit: English
Prerequisite: Summer reading is mandatory. Students should obtain reading list before summer break.
Notes: Weighted grade status. Students in this AP class are strongly encouraged to take the AP exam.
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.

Elective Courses
Creative Writing 1 ► H/N
Course Number: 054200
Grade: 9-12
Length: 1 Semester
Fee: None
No. of Credits: 1 credit
Type of Credit: Core Elective
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. This course will have three main focuses: short stories, novels, and poetry. Students will participate in writing each focus. Exploration of different genres of literature is encouraged in student work.
<table>
<thead>
<tr>
<th>Course</th>
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<th>Grade</th>
<th>Fee</th>
<th>Type of Credit</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creative Writing 2</td>
<td>054205</td>
<td>9-12</td>
<td>None</td>
<td>Core Elective</td>
<td>Creative Writing 1</td>
<td>This course is for students to continue to develop and advance existing creative writing skills with an emphasis on publication.</td>
</tr>
<tr>
<td>English Lab</td>
<td>051010 A and/or B</td>
<td>9-10</td>
<td>None</td>
<td>Core Elective</td>
<td>Teacher/Counselor Recommendation</td>
<td>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.</td>
</tr>
<tr>
<td>Film as Literature 1</td>
<td>053900</td>
<td>9-12</td>
<td>None</td>
<td>Core Elective</td>
<td>Parent Permission Slip</td>
<td>Through this course, students will analyze film as a record of human experience while focusing on the literary elements inherent in the film genre. Film as Literature will focus on analyzing films adapted from literary works as well as films from original screenplays. Students will analyze films for theme, plot, characterization, symbolism, and other literary aspects just as they would a written work.</td>
</tr>
<tr>
<td>Forensics, Speech and Debate 1</td>
<td>055100</td>
<td>9-12</td>
<td>None</td>
<td>Core Elective</td>
<td>Speech class, audition, or instructor approval</td>
<td>This course is designed for the seriously competitive speech student. It stresses participation for forensic competition in the following events: original oratory, debate, extemporaneous speaking, congress, and interpretation of drama, poetry and humor. This course is designed for novice competitive speech students. It stresses participation in forensics competition in the following areas: original oratory, debate, extemporaneous speaking, interpretation of drama, humor, and poetry, and student congress. Saturday and some evening tournaments are a required part of the course. Participants in competitions must maintain grades in alignment with CHSAA rules.</td>
</tr>
<tr>
<td>Multicultural Literature</td>
<td>059035</td>
<td>10-12</td>
<td>None</td>
<td>Core Elective</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>Forensics, Speech and Debate 2 (Advanced)</td>
<td>055105</td>
<td>10-12</td>
<td>None</td>
<td>Core Elective</td>
<td>Forensics: Speech &amp; Debate 1</td>
<td>This course is a continuation of Forensics, and is designed for the seriously competitive speech student. It stresses participation for forensic competition in original oratory, extemporaneous speaking, congress, and debate. This course is designed for the seriously competitive speech student. It stresses participation in forensics competition in the following areas: original oratory, debate, extemporaneous speaking, and student congress. Interpretation of drama, humor, and poetry will be reviewed. Saturday and some evening tournaments are a required part of the course.</td>
</tr>
</tbody>
</table>
course. Participants in competitions must maintain grades in alignment with CHSAA rules.

Mythology H / N
Course Number: 053500
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
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. This class will cover literature from King Arthur to The Wizard of Oz to The Lord of the Rings and will analyze the importance of myth to all cultures, even our current, technology-driven society.

Reading Lab I
Course Number: 051105A and/or B
Length: 2 Semester(s)
No. of Credits: 2 credits (1 per semester)
Prerequisite: Teacher/Counselor Recommendation
Description: This course is 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 intended to improve the essential reading skills required for cross-curricular success. Although many types of reading will be addressed, the course will focus on non-fiction reading with an emphasis on academic content reading. The multi-pronged approach of this course will address vocabulary development, comprehension improvement, and fluency growth through the use of research based academic vocabulary lists, Greek and Latin roots, pre-reading strategies, research based comprehension strategies, and a proven fluency program. Students successfully completing this course will see a growth in their reading rate, comprehension, and ability to apply what they have read.

Reading Lab II
Course Number: 051110A (and/or) B
Length: 1 and/or 2 Semester(s)
No. of Credits: 2 credits (1 per semester)
Prerequisite: Teacher/Counselor Recommendation
Description: This course continues to assist students with reading, writing, vocabulary, and related strategies. Instruction will concentrate on increased student reading skills, confidence, language skills, and organization. This course continues to improve the essential reading skills required for cross-curricular success. Although many types of reading will be addressed, the course will focus on non-fiction reading with an emphasis on academic content reading. The multi-pronged approach of this course will address vocabulary development, comprehension improvement, and fluency growth through the use of research based academic vocabulary lists, Greek and Latin roots, pre-reading strategies, research based comprehension strategies, and a proven fluency program. Students successfully completing this course will see a growth in their reading rate, comprehension, and ability to apply what they have read.

Speech
Course Number: 05500
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
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.

Women in Literature
Course Number: 053908
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Description: Students who enroll in this course will have the opportunity to explore literature by and about women.
Mathematics – Overview of Courses

Core Courses

Linear Algebra
(Offersd in middle school)

Algebra 1
1 Year

Geometry
1 Year

Algebra 2
1 Year

Honors Algebra 2*
1 Year

Algebra 3
1 Year

Pre-Calculus
1 Year

H Pre-Calculus*
1 Year

Advanced Placement (AP) Courses

AP AB Calculus*
1 Year

AP BC Calculus*
1 Year (2 periods)

AP Statistics*
1 year

Elective Courses

Calc 3–Multivariable*
1 semester

Consumer Math
1 Year

Statistics
1 Year

Graduation Requirement
All students must pass Algebra 1 & Geometry in order to graduate from high school.

*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
Grade: NA, Pre-requisite dependent
Fee: None
Type of Credit: Math
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.

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.
Grade: NA, Pre-requisite dependent
Fee: None
Type of Credit: Math
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.

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 review 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.

**Grade:** NA, Pre-requisite dependent
**Fee:** None
**Type of Credit:** Math

**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.

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**Pre-Calculus ▶ H / N**

- **Course Number:** 113000 A/B
- **Length:** 1 Year
- **No. of Credits:** 2 credits (1 per semester)
- **Prerequisite:** Algebra 3 equivalent

**Grade:** NA, Pre-requisite dependent
**Fee:** None
**Type of Credit:** Math

**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 FST. 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.

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**Honors & AP 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

**Grade:** NA, Pre-requisite dependent
**Fee:** None
**Type of Credit:** Math

**Notes:** Weighted grade status. It is highly recommended that a A or better 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 as well as to prepare students for college mathematics and calculus. Strong performance in pre-requisite courses is essential to meet the increased expectations.

---

**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.

**Grade:** NA, Pre-requisite dependent
**Fee:** None
**Type of Credit:** Math

**Notes:** Weighted grade status.

**Description:** Topics in Algebra 2 and FST 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. **Students are independently responsible for the concepts covered in Chapters 1-3 and will be tested over the material during the first 4 weeks of school**
**AP Calculus AB**

Course Number: 113100 A/B  
Grade: NA, Pre-requisite dependent  
Length: 1 Year  
Fee: AP exam fee  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Math  
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.

**AP Calculus BC**

Course Number: 113200 A/B  
Grade: NA, Pre-requisite dependent  
Length: 1 Year, daily 90-minute class  
Fee: AP exam fee  
No. of Credits: 4 credits (2 per semester)  
Type of Credit: Math  
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 of 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.

**AP Statistics**

Course Number: 117005 A/B  
Grade: NA, Pre-requisite dependent  
Length: 1 Year  
Fee: AP exam fee  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Math  
Prerequisite: Minimum of Algebra 3 or equivalent 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 topic 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.
**Elective Courses**

**Calculus 3: Multivariable** ➤ **H/N**

**Course No:** 113900  
**Fee:** Optional cost per UCCS; non-refundable for current college credit

**Length:** 1 semester  
**No. of Credits:** 1 credit  
**Type of Credit:** Math

**Prerequisite:** Recommendation by Math Department Chair

**Notes:** Must see College and Career Counselor for further information and approval. 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.

**Consumer Math**

**Course Number:** 115100 A/B  
**Grade:** 11-12

**Length:** 1 Year  
**No. of Credits:** 2 credits (1 per semester)  
**Type of Credit:** Math or Core Elective

**Prerequisite:**

**Notes:** Students who have completed Algebra 2 or its equivalent will receive elective credit for this course instead of math credit.

**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.

**Statistics ➤ **H/N**

**Course:** 117000 A/B  
**Grade:** NA, Pre-requisite dependent

**Length:** 1 Year  
**No. of Credits:** 2 credits (1 per semester)  
**Type of Credit:** Math

**Notes:** Highly recommended that a C or better is earned in Algebra 2.

**Prerequisite:** Algebra 2 or equivalent and teacher recommendation

**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. 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.
## Performing Arts – Course Overview

### General Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contemporary Music Composition</td>
<td>Grades 10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Music Technology</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Class Piano</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Beginning Music Theory</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Intermediate Guitar</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Advanced Guitar</td>
<td>Grades 10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>AP Music Theory</td>
<td>Grades 11-12</td>
<td>1 Semester</td>
</tr>
</tbody>
</table>

### Instrumental Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jazz Ensemble</td>
<td>Grades 9-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Marching Band</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Concert Band</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>String Orchestra</td>
<td>Grades 9-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Advanced Jazz Ensemble</td>
<td>Grades 9-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Instrumental Ensemble</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Symphonic Band</td>
<td>Grades 9-12</td>
<td>1 Semester (2nd Semester only)</td>
</tr>
<tr>
<td>Percussion Techniques</td>
<td>Grades 9-12</td>
<td>1 Semester or 1 Year</td>
</tr>
</tbody>
</table>

### Vocal Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concert Choir</td>
<td>Grades 9-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Chamber Singers</td>
<td>Grades 10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Festival Singers</td>
<td>Grades 11-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Women’s Ensemble</td>
<td>Grades 10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>A Cappella Ensembles</td>
<td>Grades 11-12</td>
<td>1 Year</td>
</tr>
</tbody>
</table>

### Theater Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater 1</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Theater 2</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Theater 3</td>
<td>Grades 10-12</td>
<td>1 Semester/1 Year</td>
</tr>
<tr>
<td>Theater 4</td>
<td>Grades 10-12</td>
<td>1 Semester/1 Year</td>
</tr>
<tr>
<td>Technical Theater 1</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Theater Sports</td>
<td>Grades 9-12</td>
<td>1 Semester</td>
</tr>
</tbody>
</table>
## Performing Arts – Course Descriptions

### GENERAL MUSIC

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Number</th>
<th>Grade</th>
<th>Length</th>
<th>Fee</th>
<th>No. of Credits</th>
<th>Type of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Guitar</td>
<td>125010</td>
<td>10-12</td>
<td>1 Semester</td>
<td>$26</td>
<td>1 credit</td>
<td>Fine Arts or Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>Instructor Approval Required and/or an A or B in Intermediate Guitar</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Notes:</td>
<td>Students must have an acoustic or electric guitar. This class may be repeated for fine arts or elective credit.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Description:</td>
<td>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. <strong>At Pine Creek, the focus of this course is acoustic guitar.</strong></td>
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</tr>
</thead>
<tbody>
<tr>
<td>AP Music Theory</td>
<td>123010 A/B</td>
<td>11-12</td>
<td>1 Year</td>
<td>AP exam fee</td>
<td>2 credits (1 credit per semester)</td>
<td>Fine Arts or Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>Instructor approval</td>
<td></td>
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<tr>
<td>Description:</td>
<td>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.</td>
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</tr>
</thead>
<tbody>
<tr>
<td>Beginning Guitar</td>
<td>125000</td>
<td>9-12</td>
<td>1 Semester</td>
<td>$25</td>
<td>1 credit</td>
<td>Fine Arts or Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Notes:</td>
<td>Students must have an acoustic or electric guitar. This class may be repeated for fine arts or elective credit.</td>
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</tr>
<tr>
<td>Description:</td>
<td>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. <strong>At Pine Creek, the focus of this course is acoustic guitar.</strong></td>
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<tbody>
<tr>
<td>Beginning Music Theory</td>
<td>123000</td>
<td>9-12</td>
<td>1 Semester</td>
<td>None</td>
<td>1 credit</td>
<td>Fine Arts or Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Notes:</td>
<td>This class may be repeated for fine arts or elective credit.</td>
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</tr>
<tr>
<td>Description:</td>
<td>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. <strong>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.</strong></td>
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</tr>
</tbody>
</table>
**Class Piano**

**Course Number:** 125805
**Grade:** 9-12
**Length:** 1 Semester
**Fee:** $16
**No. of Credits:** 1 credit

**Type of Credit:** Fine Arts or Elective

**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.

**Contemporary Music Composition**

**Course Number:** 121000
**Grade:** 10-12
**Length:** 1 Semester
**Fee:** None
**No. of Credits:** 1 credit

**Type of Credit:** Fine Arts or Elective

**Prerequisite:** None

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

**Description:**
Learn how to write and record in a number of styles including: rock, pop, soul, RnB, and hip-hop. Increase your style vocabulary and performing skills, and create your own great musical compositions in the same fashion as many successful contemporary artists and producers. It is essential learning for musicians interested in songwriting, composing music in a contemporary style. By the end of the course you will have a greater knowledge of styles, improved performance skills, and an impressive portfolio of recordings and arrangements that will enhance your songwriting and production skills.

**Intermediate Guitar**

**Course Number:** 125005
**Grade:** 9-12
**Length:** 1 Semester
**Fee:** $14
**No. of Credits:** 1 credit

**Type of Credit:** Fine Arts or Elective

**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.

**Music Technology**

**Course Number:** 123015
**Grade:** 9-12
**Length:** 1 Semester
**Fee:** None
**No. of Credits:** 1 credit

**Type of Credit:** Fine Arts or Elective

**Prerequisite:** None

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

**Description:**
Students will learn about everything that happens in a professional recording studio and how to set up a sound system for any concert. Students will learn sound reinforcement techniques, computer editing, and MIDI and digital computer programs. This class will also explore many careers in music that support musical performance. iPads will be utilized in this course.

**World Drumming**

**Course Number:** 125810
**Grade:** 9-12
**Length:** 1 Semester
**Fee:** $10
**No. of Credits:** 1 credit

**Type of Credit:** Fine Arts or Elective

**Prerequisite:** None

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

**Description:**
This course is designed for all students interested in learning the history, techniques and practices of world music drumming. This includes playing and performing on multiple percussion instruments. The course is a performance and participation-based, hands-on class where students will be learning percussion instruments.
**Advanced Jazz Ensemble**

Course Number: 125040 A/B  
Length: 1 Year  
No. of Credits: 2 credits (1 credit per semester)  
Prerequisite: By audition only  
Grade: 9-12  
Fee: $80  
Type of Credit: Fine Arts or Elective  
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 may be required to purchase performance attire.

**Concert Band**

Course Number: 125015  
Length: 1 Semester (Spring Only)  
No. of Credits: 1 credit  
Prerequisite: Instructor Approval  
Grade: 9-12  
Fee: $50  
Type of Credit: Fine Arts or Elective  
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 Wind Ensemble during audition.

**Instrumental Ensemble**

Course Number: 125030  
Length: 1 Semester (Fall Only)  
Prerequisite: Instructor Approval  
Grade: 9-12  
Fee: $10  
Type of Credit: Fine Arts or Elective  
Notes: This class may be repeated for fine arts or elective credit. This course is for students who want to play an instrument in the fall semester and not march in Marching Band  
Description: Students will practice and perform a variety of solo and ensemble music to improve their musical knowledge and performance skills. Students may be expected to perform in public appearances, school assemblies, and events. This class is also for students who want to learn to play a band or orchestra instrument. It is open to students who have never played, those who wish to return to instrumental music, and/or those who would like to learn a new instrument.

**Jazz Ensemble**

Course Number: 125035 A/B  
Length: 1 Year  
No. of Credits: 2 credits (1 credit per semester)  
Prerequisite: By audition only  
Grade: 9-12  
Fee: $80  
Type of Credit: Fine Arts or Elective  
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. Performances 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 may be required to purchase performance attire.

**Marching Band/Concert Band**

Course Number: 125025  
Length: 1 Semester (Fall Only)  
No. of Credits: 1 credit  
Prerequisite: Instructor Approval  
Grade: 9-12  
Fee: $450  
Type of Credit: Fine Arts or Elective  
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 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 Concert Band.
Percussion Techniques
Course Number: 125045 A/B
Length: 1 Semester or 1 Year
Prerequisite:
Notes:
Description: Students in this class will study basic through advanced percussion technique. They will have an opportunity to study marching percussion, concert percussion, drum-set and world percussion. Students will be exposed to diverse musical styles and investigate the historical/multi-cultural roles of percussion. This is a performance-based class. Students will be expected to perform in public, and at school assemblies and events. *Percussion members of the marching band take this course first semester, instead of Marching Band class. The Marching Band activity fee applies for first semester, and the fee listed here applies for the second semester class only.

String Orchestra
Course Number: 125050 A/B
Length: 1 Year
No. of Credits: 2 credits (1 credit per semester)
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 performances, school assemblies, and events.

Symphonic Band
Course Number: 125055B
Length: 1 Semester (2nd semester only)
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.
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.

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.

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.
Concert Choir
Course Number: 124010 A/B
Length: 1 Year
No. of Credits: 2 credits (1 credit per semester)
Prerequisite:
Notes: This class may be repeated for fine arts or elective credit.
Description: This course is a beginning vocal group that studies and performs all styles of music. Students will learn fundamentals of vocal production and improve musical skills. Students will be expected to participate in public performances, assemblies and school events. Students may be required to purchase performance attire.

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.

Women’s Ensemble
Course Number: 124045 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 develop vocal technique while studying standard literature. Styles will range from popular to traditional genres. Students will be expected to participate in public performances, assemblies and school events. Students may be required to purchase a performance outfit.

Theater Arts

Technical Theatre 1
Course Number: 056615
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
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.

Theatre 1
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. The primary focus of this class is to understand how theatre and the actor have evolved over time. In this course students will journey from the earliest beginnings of theatre through mid-20th century American theatre. Students will have multiple opportunities to work on stage performing in the style of the time period currently being studied while also developing basic skills of acting. This class is designed to accommodate a variety of acting skills from novice to intermediate.
**Theatre 2**
Course Number: 056630
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None

**Grade:** 9-12

**Type of Credit:** Fine Arts or Elective

**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. *This course is a comprehensive introduction to acting.*

**Theatre 3: Advanced Acting**
Course Number: 056635 A/B
Length: 1 Semester or 1 Year
No. of Credits: 1 credit
Prerequisite: Theater 2 or Instructor Permission

**Grade:** 10-12

**Fee:** None

**Type of Credit:** Fine Arts or Elective

**Description:** Students will refine their skills in the areas of improvisation, pantomime, stage movement, characterization and voice control as they develop performance techniques. *This course may be repeated for credit.*

**Theatre 4: Directing**
Course Number: 056640 A/B
Length: 1 Semester or 1 Year
No. of Credits: 1 credit
Prerequisite: Theatre 3 or Instructor Permission

**Grade:** 10-12

**Fee:** None

**Type of Credit:** Fine Arts or Elective

**Description:** Students will develop techniques of directing including script analysis and editing, auditions and casting, productive rehearsals, and performance. *This course may be repeated for credit.*

**Theater Sports™**
Course Number: 056645
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 a competitive form of theater that trains actors using improvisational activities. This class extends the improvisational activities introduced in Theater 1, Theater 2, and Advanced Theater Workshop and develops skills in spontaneity, characterization, and physical communication. The class may be repeated with instructor approval. *There is no prerequisite for this class. Theater Sports is a form of theater that will help actors of all ability levels to develop skills in spontaneity, characterization, and physical communication through improvisational games and activities.*
# Physical Education – Overview of Courses

## Course Options for Freshmen

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<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Physical Education</td>
<td>Grade 9</td>
<td>1</td>
</tr>
<tr>
<td>Fitness through Dance</td>
<td>Grade 9</td>
<td>1</td>
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</tbody>
</table>

## Required Health Class for Graduation*

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Semester</th>
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</thead>
<tbody>
<tr>
<td>Health &amp; Wellness</td>
<td>Grade 9</td>
<td>1</td>
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<tr>
<td>Global Health &amp; Wellness</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
</tbody>
</table>

## Course Options for Grades 10-12

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Semester</th>
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</thead>
<tbody>
<tr>
<td>Basketball for Shooting Stars</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Lifelong Team Sports</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Power Volleyball</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Rocky Mountain High</td>
<td>Grades 11-12</td>
<td>1</td>
</tr>
<tr>
<td>Racquet Sports 1</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Racquet Sports 2</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Speed Training</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Fitness Yoga 1</td>
<td>Grades 10-12</td>
<td>1</td>
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<tr>
<td>Weights &amp; Fitness 1</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
<tr>
<td>Weights &amp; Fitness 2</td>
<td>Grades 10-12</td>
<td>1</td>
</tr>
</tbody>
</table>

*Health & Wellness is a required course for all students for graduation. Students who transfer to Pine Creek after freshmen year without a Health credit will take Global Health.
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.

Fitness through Dance
Course Number: 083310
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Notes: 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.

Fitness Yoga 1
Course Number: 083205
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.

Global Health and Wellness
Course Number: 081100
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Notes: 2nd Semester Only
Description: Global Health and Wellness can meet the graduation requirement for Academy District 20. This class is designed for transfer students that need to meet the District 20 health requirement. In this class, students will research current health related issues in our society. This class uses the internet as its medium and is project-based. In meeting building technology requirements, students will have the opportunity to use a variety of search engines, research databases, PowerPoint, and Microsoft Publisher.

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.

Introduction to Physical Education
Course Number: 080000
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Notes:
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.

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.

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.

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, racquetball and pickleball. 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. PC HS does not teach racquetball.

Racquet Sports 2
Course Number: 083530
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: Completed Racquet Sports 1

Description: Students taking Racquet Sports 2 will demonstrate skills and knowledge through sport rules, officiating, team strategies, and advanced individual skills. Those taking Racquet Sports 2 will be asked to demonstrate skills and knowledge acquired in Racquet Sports 1.

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.
**Speed Training**
Course Number: 083230  
Grade: 10-12  
Length: 1 Semester  
Fee: $10.00 for PE Shirt, if not yet purchased  
No. of Credits: 1 credit  
Type of Credit: PE or Elective  
Prerequisite: 1 semester of PE / Compete in a Pine Creek Sport  
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).

**Weights and Fitness 1**
Course Number: 083215  
Grade: 10-12  
Length: 1 Semester  
Fee: $10.00 for PE Shirt, if not yet purchased  
No. of Credits: 1 credit  
Type of Credit: PE or Elective  
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, plyometric, 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.

**Weights and Fitness 2**
Course Number: 083220  
Grade: 10-12  
Length: 1 Semester  
Fee: $10.00 for PE Shirt, if not yet purchased  
No. of Credits: 1 credit  
Type of Credit: PE or Elective  
Prerequisite: 1 semester of PE  
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.
**Science – Course Overview**

### Core Courses

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<thead>
<tr>
<th>Course</th>
<th>Grade Level</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Grade 9</td>
<td>1 Year</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Grades 10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Environmental Science 1</td>
<td>Grades 10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Environmental Science 2</td>
<td>Grades 10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Physics</td>
<td>Grades 10-12</td>
<td>1 Year</td>
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</tbody>
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### Honors & Advanced Placement (AP) Courses

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<thead>
<tr>
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<td>Honors Biology</td>
<td>Grade 9</td>
<td>1 Year</td>
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<tr>
<td>Honors Chemistry</td>
<td>Grades 10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>AP Biology</td>
<td>Grades 11-12</td>
<td>1 Year</td>
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<tr>
<td>AP Chemistry</td>
<td>Grades 11-12</td>
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<td>AP Env Science</td>
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<td>AP Physics C</td>
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<td>1 year</td>
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<tr>
<td>AP Physics 1</td>
<td>Grade 10-12</td>
<td>1 Year</td>
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<tr>
<td>AP Physics 2</td>
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</tbody>
</table>

### Core Elective Courses

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<thead>
<tr>
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<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>Grades 11-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>Science in the Imagination*</td>
<td>Grades 11-12</td>
<td>1 Semester or 1 Year</td>
</tr>
<tr>
<td>Astronomy</td>
<td>Grades 10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Zoology I</td>
<td>Grades 11-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Zoology II</td>
<td>Grades 11-12</td>
<td>1 Semester</td>
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</tbody>
</table>

### Project Lead the Way (Core Elective Program)

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade Level</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Honors Principles of Biomedical Sciences I</td>
<td>Grades 9-12</td>
<td>1 year</td>
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<tr>
<td>Honors Principles of Biomedical Sciences II (Human Body Systems)</td>
<td>Grades 10-12; 1 year</td>
<td></td>
</tr>
<tr>
<td>Honors Principles of Biomedical Sciences III (Medical Intervention)</td>
<td>Grades 11-12; 1 year</td>
<td></td>
</tr>
<tr>
<td>Honors Principles of Biomedical Sciences IV (Biomedical Innovations)</td>
<td>Grade 12; 1 year</td>
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</tbody>
</table>

**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  
Grade: 9

Length: 1 Year  
Fee: $10

No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective

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.

Chemistry ► H/N

Course Number: 133115 A/B  
Grade: 10-12

Length: 1 Year  
Fee: None

No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective

Prerequisite: Biology/Honors Biology and Alg 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, and thermodynamics. 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.

Environmental Science 1 ► H/N

Course Number: 132405  
Grade: 10-12

Length: Semester  
Fee: $10

No. of Credits: 1 credit  
Type of Credit: Science or Elective

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, 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.

Environmental Science 2 ► H/N

Course Number: 132407  
Grade: 10-12

Length: Semester  
Fee: $10

No. of Credits: 1 credit  
Type of Credit: Science or Elective

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.

Physics ► H/N

Course Number: 133200 A/B  
Grade: 10-12

Length: 1 Year  
Fee: $5

No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective

Prerequisite: Geometry, Biology/Honors Biology

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 Biology ➤ H/N
Course Number: 132020 A/B
Grade: 9-10, 11 with permission
Length: 1 Year
Fee: $15
No. of Credits: 2 credits (1 per semester)
Type of Credit: Science or Elective
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, bio-ethics, 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. All Honors courses require the completion of a capstone project. This is completed throughout both semesters.

Honors Chemistry ➤ H/N
Course Number: 133120 A/B
Grade: 10-12
Length: 1 Year
Fee: None
No. of Credits: 2 credits (1 per semester)
Type of Credit: Science or Elective
Prerequisite: Biology/H Biology and Alg 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. All Honors courses require the completion of a capstone project. This is completed throughout both semesters.

AP Biology ➤ H/N
Course Number: 132025 A/B
Grade: 11-12 (grade 10 with dept. approval)
Length: 1 Year
Fee: $20 course fee plus AP exam fee
No. of Credits: 2 credits (1 per semester)
Type of Credit: Science or Elective
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. In addition, to receive AP criteria, 25% of their course is laboratory experiments of investigations.

AP Chemistry ➤ H/N
Course Number: 133125 A/B
Grade: 11-12 (grade 10 with dept. approval)
Length: 1 Year
Fee: Web assign subscription ($15) & AP exam fee
No. of Credits: 2 credits (1 per semester)
Type of Credit: Science or Elective
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.
**AP Environmental Science ➤ H/N**

Course Number: 132410 A/B  
Grade: 10-12  
Length: 1 Year  
Fee: $20 and AP exam fee  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective  
Prerequisite: Successful completion of Biology and Algebra. 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.

**AP Physics 1 ➤ H/N**

Course Number: 133213 A/B  
Grade: 10-12  
Length: 1 Year  
Fee: Web assign subscription ($22) & AP exam fee  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective  
Prerequisite: Completion of, or concurrent enrollment in, Algebra 2 recommended  
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.

**AP Physics 2 ➤ H/N**

Course Number: 133214 A/B  
Grade: 10-12  
Length: 1 Year  
Fee: Web assign subscription ($22) & AP exam fee  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective  
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.

**AP Physics C ➤ H/N**

Course Number: 133212 A/B  
Grade: 11-12  
Length: 1 Year  
Fee: AP exam fee  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective  
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.

**Core Elective Courses**

**Anatomy and Physiology ➤ H/N**

Course Number: 132000 A/B  
Grade: 11-12  
Length: 1 Year  
Fee: $15  
No. of Credits: 2 credits (1 per semester)  
Type of Credit: Science or Elective  
Prerequisite: Biology and Chemistry or concurrent Chemistry.  
Notes: Weighted grade status.  
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  Grade: 10-12
Length: 1 Semester  Fee: $5
No. of Credits: 1 credit  Type of Credit: Science or Elective
Prerequisite: Successful completion of a previous year-long science course and successful completion of or current enrollment in Geometry.
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.

Science in the Imagination ★ H
Course Number: 131010 A/B  Grade: 11-12
Length: 1 Semester  Fee: None
No. of Credits: 1 or 2 credits (1 per semester)  Type of Credit: Science or Elective
Prerequisite: One-year 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.

Zoology 1 ★ H/N
Course Number: 132300  Grade: 11-12
Length: 1 Semester  Fee: $20
No. of Credits: 1 credit  Type of Credit: Science or Elective
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.

Zoology 2 ★ H/N
Course Number: 132305  Grade: 11-12
Length: 1 Semester  Fee: $20
No. of Credits: 1 credit  Type of Credit: Science or Elective
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.
Honors Principles of Biomedical Sciences ★ H/N

Course Number: 139050 A/B  Grade: 9-12
Length: 1 Year           Fee: $25
No. of Credits: 2 credits (1 credit per semester)   Type of Credit: Elective
Prerequisite: Biology or concurrent enrollment in Biology
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, research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay 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.

Honors Human Body Systems ★ H/N

Course Number: 132070 A/B  Grade: 10-12
Length: 1 Year           Fee: $25
No. of Credits: 2 credits (1 credit per semester)   Type of Credit: Elective
Prerequisite: Completion of Honors Principles of Biomedical Sciences or Honors Biology
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.

Honors Medical Intervention ★ H/N

Course Number: 139055 A/B  Grade: 11-12
Length: 1 Year           Fee: $25
No. of Credits: 2 credits (1 credit per semester)   Type of Credit: Elective
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.

Honors Biomedical Innovation ★ H/N

Course Number: 139060 A/B  Grade: 12
Length: 1 Year           Fee: $25
No. of Credits: 2 credits (1 credit per semester)   Type of Credit: Elective
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.
# Social Science – Overview of Courses

## Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Regional Geography</td>
<td>9</td>
<td>1 Year</td>
</tr>
<tr>
<td>World History/Geography</td>
<td>10</td>
<td>1 Year</td>
</tr>
<tr>
<td>U.S. History/Geography</td>
<td>11</td>
<td>1 Year; Graduation Requirement</td>
</tr>
<tr>
<td>Civics &amp; Law</td>
<td>11-12</td>
<td>1 semester; Graduation Requirement</td>
</tr>
</tbody>
</table>

## Honors & AP Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors World History/Geography</td>
<td>9-10</td>
<td>1 year</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>9-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>AP European History</td>
<td>10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>AP Psychology</td>
<td>10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>AP US Government and Politics*</td>
<td>10-12</td>
<td>1 Year</td>
</tr>
<tr>
<td>AP US History**</td>
<td>11-12</td>
<td>1 Year</td>
</tr>
</tbody>
</table>

## Elective Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Popular Culture</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Ancient Civilization</td>
<td>10-12</td>
<td>1 semester</td>
</tr>
<tr>
<td>Applied Psychology</td>
<td>11-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Economics</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Explorations in Western Philosophy</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Native American Studies</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Psychology</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Sociology</td>
<td>10-12</td>
<td>1 Semester</td>
</tr>
<tr>
<td>Street Law</td>
<td>11-12</td>
<td>1 Semester</td>
</tr>
</tbody>
</table>

*Meets the graduation requirement for Civics
**Meets the graduation requirement for US History
World Regional Geography ➤ H / N
Course Number: 154000 A/B
Length: 1 Year
No. of Credits: 2 credits (1 credit per semester)
Prerequisite: None
Grade: 9
Fee: None
Type of Credit: Social Science
Description: World Regional Geography develops a view of the world through the study of cultural and physical geography. Emphasis is placed on our natural environment, cultural regions, and geographic aspects of man’s contemporary economic, social, and political conditions. Interrelationships of climate, vegetation, soils, landform, and environmental impacts are studied. Map reading, map interpretation, and the skills necessary to accomplish these tasks are studied.

World History/Geography ➤ H / N
Course Number: 155905 A/B
Length: 1 Year
No. of Credits: 2 credits (1 credit per semester)
Prerequisite: None
Grade: 10
Fee: None
Type of Credit: Social Science
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.

US History ➤ H / N
Course Number: 155505 A/B
Length: 1 Year
No. of Credits: 2 credits (1 credit per semester)
Prerequisite: None
Grade: 11
Fee: None
Type of Credit: US History Graduation Requirement
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.

Civics and Law ➤ H / N
Course Number: 157105
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Grade: 11-12
Fee: None
Type of Credit: Civics Graduation Requirement
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.
### Honors & AP Courses

#### Honors Economics ★ H / N

<table>
<thead>
<tr>
<th>Course Number: 153005</th>
<th>Grade: 10-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: 1 semester</td>
<td>Fee: None</td>
</tr>
<tr>
<td>No. of Credits: 1 credit</td>
<td>Type of Credit: Core</td>
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<tr>
<td>Prerequisite: None</td>
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</tbody>
</table>

**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 affect 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

<table>
<thead>
<tr>
<th>Course Number: 155910A/B</th>
<th>Grade: 9-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: 1 Year</td>
<td>Fee: None</td>
</tr>
<tr>
<td>No. of Credits: 2 credit (1 credit per semester)</td>
<td>Type of Credit: Core</td>
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<tr>
<td>Prerequisite: None</td>
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</table>

**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. The Honors Project for this class is the National History Day project.**

#### AP European History ★ H / N

<table>
<thead>
<tr>
<th>Course Number: 155000 A/B</th>
<th>Grade: 10-12</th>
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<tbody>
<tr>
<td>Length: 1 Year</td>
<td>Fee: AP exam fee</td>
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<tr>
<td>No. of Credits: 2 credits (1 per semester)</td>
<td>Type of Credit: Social Science or Core Elective</td>
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<td>Prerequisite: None</td>
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**Notes:** 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. All AP students are expected to take this exam.

#### AP Human Geography★ H / N

<table>
<thead>
<tr>
<th>Course Number: 154200A/B</th>
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<tr>
<td>Length: 1 Year</td>
<td>Fee: AP exam fee</td>
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<tr>
<td>No. of Credits: 2 credits (1 per semester)</td>
<td>Type of Credit: Social Science or Core Elective</td>
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<td>Notes: Weighted grade status. <strong>Students in this AP class are strongly encouraged to take the AP exam.</strong></td>
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</table>

**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

<table>
<thead>
<tr>
<th>Course Number: 158010 A/B</th>
<th>Grade: 10-12</th>
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<tr>
<td>Length: 1 Year</td>
<td>Fee: AP exam fee</td>
</tr>
<tr>
<td>No. of Credits: 2 credits (1 per semester)</td>
<td>Type of Credit: Social Science or Core Elective</td>
</tr>
<tr>
<td>Notes: Weighted grade status. <strong>Students in this AP class are strongly encouraged to take the AP exam.</strong></td>
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</table>

**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.

**AP US Government and Politics ➤ H / N**

**Course Number:** 157116 A/B  
**Length:** 1 Year  
**No. of Credits:** 2 credits (1 credit per semester)  
**Grade:** 10-12  
**Fee:** AP exam fee  
**Type of Credit:** Civics Requirement & Social Science/Core Elective  
**Notes:** 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. This course also meets graduation requirements for Civics.

**AP US History ➤ H / N**

**Course Number:** 155525 A/B  
**Length:** 1 Year  
**No. of Credits:** 2 credits (1 credit per semester)  
**Grade:** 11-12  
**Fee:** AP exam fee  
**Type of Credit:** US History Graduation Requirement  
**Notes:** 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.

**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**

**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 Civilizations 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.
Applied Psychology
Course Number: 158020
Length: 1 semester
No. of Credits: 1 credit
Prerequisite: None
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
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
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.

Native American Studies ► H / N
Course Number: 152200
Length: 1 Semester
No. of Credits: 1 credit
Prerequisite: None
Description: This course examines cultural and historical aspects of Native Americans. The course will include understanding the relationships between human beings and the natural world in Native American cultures. Students will study Native American literature, art and music from the Pre-Columbian era to the present period. Students will have multiple opportunities to engage in small groups, debate, written responses to books, complete projects, and construct maps. There will be an emphasis on discovery and writing using historical evidence and inquiry to problem solving.

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.
Sociology

Course Number: 151000
Grade: 10-12
Length: 1 Semester
Fee: None
No. of Credits: 1 credit
Type of Credit: Social Science or Core Elective
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.

Street Law

Course Number: 157125
Grade: 11-12
Length: 1 Semester
Fee: Costs for Optional Field Trips
No. of Credits: 1 credit
Type of Credit: Social Science or Core Elective
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.
In all Pine Creek World Language courses, students and teachers will use the target language 90% of the time.
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)
Grade: 9-12
Fee: $20
Type of Credit: World Language or Core Elective
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.

American Sign Language II ▶ H / N
Course Number: 062096 A/B
Length: 1 Year
No. of Credits: 2 credit (1 credit per semester)
Grade: 10-12
Fee: $20
Type of Credit: World Language or Core Elective
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.

American Sign Language III ▶ H / N
Course Number: 062097 A/B
Length: 1 Year
No. of Credits: 2 credit (1 credit per semester)
Grade: 11-12
Fee: $20
Type of Credit: World Language or Core Elective
Prerequisite: ASL I, 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.

Honors American Sign Language IV ▶ H / N
Course Number: 062101 A/B
Length: 1 Year
No. of Credits: 2 credit (1 credit per semester)
Grade: 11-12
Fee: $20
Type of Credit: World Language or Core Elective
Prerequisite: ASL I, II, and 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.
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.

**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 conversations, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements.

**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.

**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.

**AP French Language ★ H / N**
Course Number: 062010 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. 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. **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. Additional after-school AP exam study sessions may be offered in order to ensure success.**
German

**German 1 ▶ H / N**

*Course Number:* 062022 A/B  
*Length:* 1 Year  
*No. of Credits:* 2 credit (1 credit per semester)  
*Prerequisite:* None  
*Grade:* 9-12  
*Fee:* None  
*Type of Credit:* World Language or Core Elective  

**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.

**German 2 ▶ H / N**

*Course Number:* 062023 A/B  
*Length:* 1 Year  
*No. of Credits:* 2 credit (1 credit per semester)  
*Prerequisite:* German 1  
*Grade:* 9-12  
*Fee:* None  
*Type of Credit:* World Language or Core Elective  

**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.

**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  
*Grade:* 10-12  
*Fee:* None  
*Type of Credit:* World Language or Core Elective  

**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.

**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  
*Grade:* 10-12  
*Fee:* None  
*Type of Credit:* World Language or Core Elective  

**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.

**AP German Language ▶ H / N**

*Course Number:* 062029 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. **Students in this AP class are strongly encouraged to take the AP exam.**  
*Grade:* 11-12  
*Fee:* AP 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.
Spanish 1  ▶  H / N
Course Number: 062063 A/B  
Grade: 9-12  
Length: 1 Year  
Fee: none  
No. of Credits: 2 credit (1 credit per semester)  
Type of Credit: World Language or Core Elective  
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.

Spanish 2  ▶  H / N
Course Number: 062067 A/B  
Grade: 9-12  
Length: 1 Year  
Fee: none  
No. of Credits: 2 credit (1 credit per semester)  
Type of Credit: World Language or Core Elective  
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.

Spanish 3  ▶  H / N
Course Number: 062071 A/B  
Grade: 10-12  
Length: 1 Year  
Fee: none  
No. of Credits: 2 credit (1 credit per semester)  
Type of Credit: World Language or Core Elective  
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.

Honors Spanish 4  ▶  H / N
Course Number: 062081 A/B  
Grade: 11-12  
Length: 1 Year  
Fee: none  
No. of Credits: 2 credit (1 credit per semester)  
Type of Credit: World Language or Core Elective  
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.

AP Spanish Language  ▶  H / N
Course Number: 062083 A/B  
Grade: 11-12  
Length: 1 Year  
Fee: $63 for consumable workbook & AP exam fee  
No. of Credits: 2 credit (1 credit per semester)  
Type of Credit: World Language or Core Elective  
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.

La Cultura Hispana  H / N
Course Number: 063000 A/B  
Grade: 9-12  
Length: 1 Year  
Fee: None  
No. of Credits: 2 credit (1 credit per semester)  
Type of Credit: Core Elective  
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-four 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.
Special Programs & Other Courses – Course Description

Academy Online High School Courses (coordinate with grade level counselor)

Grades 9-12
Students may take courses through Academy Online High School. Applications and course information available through grade level counselor.

Alternative Cooperative Education (ACE)

Grade 11-12
Alternative Cooperative Education (ACE) is a program for students with barriers to employment. Educational barriers, special education qualified, limited English proficiency, economically disadvantaged (including foster care), head-of-household students, pregnant and parenting teens, non-traditional career goals, and involvement in the criminal justice system are all qualifying situations. There may be others so please discuss your situation with your counselor or with the ACE Coordinator to see if you qualify. After building skills 1st semester in the classroom setting, an unpaid work experience (UWE) in an area of interest or skill deficiency is arranged during 2nd semester as long as students earn a C or better 1st semester and meet readiness criteria. The UWE may be located in or out of the school building, depending on student needs. Excellent attendance, being properly prepared, and behaving in a professional, responsible manner are essential for student success in a UWE. Students with more significant needs may be provided with additional UWEs in future semesters. Qualifying students who have paid employment should see their counselor or the ACE Coordinator to discuss other options.

ACE Career Development

Course Number: 109130A/B
Grade: 11-12
Length: 1 semester
Fee: None
No. of Credits: 1
Type of Credit: Unrestricted Elective
Prerequisite: Teacher Recommendation Only
Description: This course is designed for students to identify, examine, and evaluate their post-secondary educational and career choices. Students are required to take either ACE In-School Work-Based Learning or ACE Community Work-Based Learning simultaneously with or after completion of this course. Instruction and course content may include career interest surveys to match self-awareness to potential career interest, research of post-secondary training and education opportunities for specific careers, and exposure to various skills necessary in acquiring, keeping, and advancing within a career field.

ACE In-School Work-Based Learning

Course Number: 109135A/B
Grade: 11-12
Length: 1 semester
Fee: None
No. of Credits: 1
Type of Credit: Unrestricted Elective
Prerequisite: ACE Career Development
Description: This course is designed for students to develop basic employment skills by participating in an in-school work- or school-based enterprise experience. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills the student will learn during the experience.

ACE Community Work-Based Learning

Course Number: 109140A/B
Grade: 11-12
Length: 1 semester
Fee: None
No. of Credits: 1
Type of Credit: Unrestricted Elective
Prerequisite: ACE Career Development
Description: This course is designed for students to enhance employment skills by participating in a community-based work experience (paid or unpaid). Students will demonstrate levels of self-awareness, career exploration, academic planning, based off of post-secondary aspirations and realistic options, employability skills, and environmental expectations. ACE teachers serve as a coach and mentor checking in with supervisor/employer regularly.
Air Force Junior Reserve Officer Training Corps (AFJROTC)

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

<table>
<thead>
<tr>
<th>Course Number:</th>
<th>089100 A/B</th>
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<tbody>
<tr>
<td>Length:</td>
<td>1 Year</td>
</tr>
<tr>
<td>No. of Credits:</td>
<td>2 credits (1 credit per semester)</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>Application and Instructor Approval</td>
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<tr>
<td>Notes:</td>
<td>This course is taught at Air Academy High School. First year cadets are required to perform 4 hours of community service per quarter.</td>
</tr>
<tr>
<td>Description:</td>
<td>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.</td>
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<tr>
<td>Grade:</td>
<td>9-12</td>
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<tr>
<td>Fee:</td>
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<td>Type of Credit:</td>
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### AF Jr ROTC 2

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<th>Course Number:</th>
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<tr>
<td>Length:</td>
<td>1 Year</td>
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<tr>
<td>No. of Credits:</td>
<td>2 credits (1 credit per semester)</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>AFJROTC 1 and Instructor Approval</td>
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<tr>
<td>Notes:</td>
<td>This course is taught at Air Academy High School. Second year Cadets are required to perform 5 hours of community service per quarter.</td>
</tr>
<tr>
<td>Description:</td>
<td>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.</td>
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<tr>
<td>Grade:</td>
<td>10-12</td>
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<tr>
<td>Fee:</td>
<td>$25</td>
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<td>Type of Credit:</td>
<td>Core Elective or Science</td>
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### AF Jr ROTC 3

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<tr>
<td>Length:</td>
<td>1 Year</td>
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<tr>
<td>No. of Credits:</td>
<td>2 credits (1 credit per semester)</td>
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<tr>
<td>Prerequisite:</td>
<td>AFJROTC 1 &amp; 2 and Instructor Approval</td>
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<tr>
<td>Notes:</td>
<td>This course is taught at Air Academy High School. Third year Cadets are required to perform 8 hours of community service per quarter.</td>
</tr>
<tr>
<td>Description:</td>
<td>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.</td>
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<tr>
<td>Grade:</td>
<td>11-12</td>
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<tr>
<td>Fee:</td>
<td>$25</td>
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<tr>
<td>Type of Credit:</td>
<td>Core Elective or Science</td>
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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.
ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

AVID 9
Course Number: 006000 A/B  
Length: 1 Year  
Grade: 9  
No. of Credits: 2 credits (1 credit per semester)  
Fee: None  
Type of Credit: Core Elective  
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.

AVID 10
Course Number: 006005 A/B  
Length: 1 Year  
Grade: 10  
No. of Credits: 2 credits (1 credit per semester)  
Fee: None  
Type of Credit: Core Elective  
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.

AVID 11
Course Number: 006010 A/B  
Length: 1 Year  
Grade: 11  
No. of Credits: 2 credits (1 credit per semester)  
Fee: None  
Type of Credit: Core Elective  
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.

AVID 12
Course Number: 006015 A/B  
Length: 1 Year  
Grade: 12  
No. of Credits: 2 credits (1 credit per semester)  
Fee: None  
Type of Credit: Core Elective  
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.
191251A/B: Concurrent Enrollment—PPCC and UCCS Academic Courses
Qualifying D20 students can take an academic college class on the PPCC or UCCS college campus (including online and MathOnline courses). D20 contributes to tuition at the prevailing community college rate. Students pay the remaining tuition and any additional campus, course, and textbook costs. The college class must be aligned with the student’s Individual Career and Academic Plan (ICAP) and be inaccessible to the student in D20. An application and signed agreements are required. The deadline for applying is May 15 for the upcoming fall semester and November 15 for the upcoming spring semester. Students should see their high school College & Career Counselor for more information.

Career Start at Pikes Peak Community College
Qualifying D20 11th and 12th grade students may take technical or career area courses of study through the PPCC Career Start program. Career Start students attend PPCC half time and take additional courses at their home high school. Students may earn credit that can be applied toward high school graduation as well as toward an associate degree and/or industry certification. Bus transportation is provided to morning sessions. An application is required. Students pay a $75 application fee per year as well as the cost of additional course supplies. An application and signed agreements are required. See the following page for Career Start programs and credits. Interested students must connect with their high school counselor to express interest no later than the first week of January for participation the following school year.

Hairstyling at the International Salon and Spa Academy
Qualifying D20 11th and 12th grade students may work toward state board certification in hairstyling. First year students attend the morning session from 9:00am to 11:45pm, and second year students attend the afternoon session from 1:00pm to 3:45pm. Students attend the International Salon and Spa Academy half time and take additional courses at their high school. Students may earn credit that can be applied toward high school graduation. Bus transportation is provided for the morning session only. Students pay a $75 application fee per year as well as the cost of additional course supplies. An application and signed agreements are required. See the following page for Hairstyling program credit information. Interested students must connect with their high school counselor to express interest no later than the first week of January for participation the following school year.

Career Start Credit Notes
- Students enrolling in a program with no English credit or one English credit take a high school English course to be on track to earn the eight English credits required for high school graduation.
- Students earn one grade each semester for the program for a total of 4 high school credits. Grades are determined using an averaging formula based on the credits per class. All grades are rounded to the whole letter, no + or – grades are awarded
- Academic credit earned through a Career Start program does not meet NCAA athletic course criteria.
Concurrent Enrollment Courses (CE)

Course Number: 191251 A/B
Length: 1 or 2 Semester
No. of Credits: 1 or 2 credits (1 credit per semester)
Prerequisite: Counselor/Administrative approval and 2 months advance notice to district (via application process)

Description: 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 college/career counselor to sign up for information meetings where specific dates/deadlines, eligibility, and application requirements and paperwork are distributed and explained. Please note: Tuition for on-campus and online courses will be paid by the District at the prevailing community college on-campus tuition rate. Fees, books, and other costs are not eligible for payment by the District. It is the student’s and/or parent/guardian’s responsibility to verify with UCCS all aspects related to the course including: in-state registration classification, application of Colorado Opportunity Fund (COF) reduction, and payment of all tuition and fees.

- Programs are available to students that meet the institutional and District 20 “college ready” criteria, which may include college entrance/placement testing, maturity, academic performance in high school, etc.
- Students receive high school and college credit, but transferability to other colleges cannot be guaranteed. It is up to the individual student and his/her parent/guardian to research the transferability of credit to subsequent institutions of higher learning.
- For approved academic courses, the district pays tuition at the current community college on-campus rate only. There are other costs, which may include any excess tuition due, textbooks, and student fees.
- Career Start (formerly AVP) programs have a $75 fee due to District 20.
- Designated high school counselors serve as the point of contact to assist students with these programs.
- Academy School District 20 partners with following postsecondary institutions:

<table>
<thead>
<tr>
<th>International Salon &amp; Spa Academy (ISSA)</th>
<th>Pikes Peak Community College (PPCC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hairstylist</td>
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<tr>
<td>Auto Collision Technology</td>
<td>Early Childhood Education</td>
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<tr>
<td>Automotive Service Technology</td>
<td>Fire Science Technology</td>
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<tr>
<td>Computer Aided Drafting</td>
<td>Health Career Exploration</td>
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<tr>
<td>Computer Information Systems</td>
<td>Health Science Technology</td>
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<tr>
<td>Construction</td>
<td>Interior Design</td>
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<tr>
<td>Criminal Justice</td>
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<td>Culinary Arts</td>
<td>Radio and Television</td>
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<td>Cyber Security</td>
<td>Welding</td>
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<tr>
<td>Diesel Power Technology</td>
<td>Zookeeping</td>
</tr>
</tbody>
</table>

Note: The requested course(s) may not replace a corresponding course offered in the district, and students must establish an Individual Career and Academic Plan (ICAP) and postsecondary goal.

- Student must meet all prerequisites for courses as outlined in the college catalog and/or course schedule.
- Student must complete the appropriate application process per course.
- Student must demonstrate college readiness, which may include meeting minimum scores on the Accuplacer, ACT, or SAT tests and meeting any prerequisites and course expectations required.
- Student must register for the Colorado Opportunity Fund (COF) at www.collegeincolorado.org to establish eligibility for the state tuition stipend that reduces the student’s tuition costs. (N/A for UCCS Extended Studies and International Salon and Spa Academy.
- If the Student receives a grade of F, Incomplete, or withdraws from a course after the college drop deadline, the student and the student’s Parent/Guardian will be required to reimburse the school district for the tuition initially paid on behalf of the student.
- International exchange students are ineligible for the tuition payment by the district.
- Concurrent Enrollment opportunities are not available during the summer.

University of Colorado, Colorado Springs (UCCS)
CU Succeed and CU Succeed Platinum Courses
Approved Postsecondary Academic Courses
Math Online: Calculus II & III, Differential Equations
Discrete Math, Number Theory, Linear Algebra

3/1/2020
Hastist

Course Number: 191251A/B
Length: 2 year sequence of courses

No. of Credits: 4 credits (4 credits per semester)
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 sequence of courses 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 11:40 a.m. while second year students attend the afternoon session from 1:00 p.m. to 3:46 p.m. The district provides bus transportation for the morning session only. The district hosts an information night each winter followed by an early spring registration period. Students are responsible for paying an annual laboratory fee to ISSA and the fee associated with the licensure examination to the State of Colorado.

Career Start (formerly AVP)

Course Number: 191251A/B
Length: 1- to 2-year sequence of courses

No. of Credits: 4 credits (4 credits per semester)
Prerequisite: Application process and approval from the grade level counselor and team (approval is based on attendance, discipline, and credits needed for graduation.)

Description: Pikes Peak Community College offers occupational skill development and training through the Career Start program. High school juniors and seniors enroll in Career Start through their home high school as part of their daily schedule. Students are responsible for additional fees associated with special requirements. Certain programs require a background check, drug screening, TB Tine test, Hepatitis B vaccination, or personal transportation to a clinical experience. Students attending Career Start earn credit towards high school graduation. Under certain circumstances, they may also receive college credit toward a post-secondary certificate or degree. Career Start provides the students with the academic and technical competencies, occupational skills, attitudes, and work habits considered essential for entry-level employment. Classes meet at PPCC’s Centennial Campus (south) 9:00 a.m. to 11:40 a.m. Monday through Friday throughout the school year. Some programs offer an afternoon class option. The district provides bus transportation for the morning session only. Programs require one or two years to complete. District 20 hosts an information night each winter followed by an early spring registration period. Counseling teams in each high school review each applicant based on three criteria: academic preparation, strong attendance record, and positive behavior history.
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<thead>
<tr>
<th>CAREER START PROGRAM</th>
<th>YEAR 1 - FALL</th>
<th>YEAR 1 - SPRING</th>
<th>YEAR 2 - FALL</th>
<th>YEAR 2 - SPRING</th>
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<tr>
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<td>2 Science</td>
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</table>
Course Number: 191251A/B  
Grade: 2  
9-12  
Length: 1 semester and/or 2 semesters  
No. of Credits: 1 or 2 credits (1 credit per semester)  
Fee: Varies  
Type of Credit: Varies  
Prerequisite: Approval of the college/career counselor and principal based on attendance, behavior, academic performance, maturity to take a college level course, and meeting college readiness criteria which may include minimum college entrance scores.  
Description: For more information: [http://hs.uccs.edu](http://hs.uccs.edu)

**Extended Studies Programs:**

**CU SUCCEED** -- courses are taught in the high school by approved D20 teachers (varies by high school). Teachers who can offer CU Succeed credit for their classes distribute enrollment information. Students register online per UCCS instructions provided by their teacher, complete a Dual Credit Enrollment form, and provide a non-refundable application fee to his/her teacher. Policies regarding the transfer of credits and the specific ways in which they apply to degree requirements vary from institution to institution.

**CU SUCCEED PLATINUM** -- courses are taught in the high schools by UCCS faculty. Students register online per UCCS instructions provided, complete the enrollment process, and provide a $75 non-refundable application fee to his/her College/Career Counselor.

**CU Succeed/Platinum** courses are regular university courses, not high school courses for which students receive university credit. Courses appear on an official UCCS transcript. Policies regarding the transfer of credits and the specific ways in which they apply to degree requirements vary institution to institution.

MathOnline *(for students who need Calculus II and above)* -- courses are not just a series of web pages guiding students through material. Rather, the courses are identical to the high quality, traditional courses we deliver to our students on campus.

As a MathOnline student, you can participate real-time by receiving a simultaneous audio and whiteboard feed, and can also ask questions of the instructor in real-time. Or, you can access the course at your convenience through either a complete audio/whiteboard archive or video archive.

You will complete your homework on the same schedule as on-campus students, and submit it through email or fax. High schools have a designated coordinating math teacher to support students, proctor exams, etc.

❖ **Approved Postsecondary Academic Courses**

**On Campus classes** may also be available for students who need a course that is not offered through the above programs or anywhere in District 20.
ACT/SAT Math & English College Prep
Course Number: 191266
Length: 1 semester (First Semester Only)
No. of Credits: 1 credit
Prerequisite:
Description: Students will review mathematical and reading/writing concepts and skills for success with the ACT and SAT standardized exams. Additionally, students will engage in skill-based lessons as a way to refresh past learning, as well as practice test-taking strategies.

Classroom Helpers (formerly Elem School 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.

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.

Honors Teacher Cadet
Course Number: 191130 A/B
Length: 1 Year
No. of Credits: 1 or 2 credits (1 per semester)
Prerequisite: Approval of instructor
Notes: This course is offered to all Academy District high schools and is hosted at Air Academy 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.

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; 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.
- 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.
• Partial absence periods will not be scheduled in the middle of the day (2nd/3rd).
• Seniors (ONLY) who wish to schedule a 2nd partial absence in either semester should use course numbers 191257 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: 10-12
Fee: None
Type of Credit: Elective
Description: Students enrolled in this class will be assigned to guided study halls to work with the teacher to serve as a peer tutor. Students will work with teachers to provide tutoring and study skills for students. This course is designed for academically strong students who can support their peers in gaining a better understanding of various contents. Most Peer Tutors are assigned to the Math Peer Assisted Learning (PAL) Lab or to Guided Study Hall. Approval forms for Peer Tutors are available in the Counseling Office and on the Counseling Department webpage. 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
Notes:
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.

Study Hall
Course Number: 191050A or 191050B
Length: 1 Semester
No. of Credits: .5 credit
Prerequisite: None
Grade: 9-12
Fee: None
Type of Credit: Elective
Description: This is monitored class, in which students can complete assignments, study for tests and quizzes, and complete projects at their own pace. Student may request to communicate with teachers during this time period if the teacher is available. It is mandatory that all freshmen take one semester of Study Hall; all grades may take Study Hall as an elective. Regular attendance is part of Study Hall expectations and grades; students with excessive absences may not earn credit.
### Teacher Assistant

<table>
<thead>
<tr>
<th>Course Number: 191065A / 191065B</th>
<th>Grade: 9-12</th>
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<tbody>
<tr>
<td>Length: 1 semester</td>
<td>Fee: None</td>
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<tr>
<td>No. of Credits: .5 credit</td>
<td>Type of Credit: Elective</td>
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<tr>
<td>Prerequisite: Instructor</td>
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</tbody>
</table>

**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.**

- 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, 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-assistantship.
- Students and parents must verify, via transcripts, that students are on track to meet graduation requirements.
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## HIGHER EDUCATION ADMISSIONS REQUIREMENTS

In 2012-2013, the state required each district to map their courses to a State Code for the Exchange of Data (SCED). This mapping created new course numbers for some courses, which in turn caused a new HEAR document to be created. The information below applies to any course taken in an Academy School District 20 high school in the 2012-2013 school year or later. There is a separate HEAR document for any course taken in Academy School District 20 high schools prior to the 2012-2013 school year.

For more information about Higher Education Admissions Requirements and Admissions Eligibility please [CLICK HERE](#).

### HB 05-1057

Enacted in 2005, HB 05-1057 requires districts to provide to parents a list of courses the district has available that satisfy the CCHE’s Higher Education Admission Guidelines. The following Academy District 20 courses meet those criteria:

### ENGLISH, MATHEMATICS, SCIENCE, SOCIAL SCIENCE, AND FOREIGN

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**NOTES:**

*When Algebra 1 content is extended beyond one year (e.g. Algebra 1, Part A and Algebra 1, Part B), only one Carnegie unit (which equates to one full year) of the pre-collegiate requirements is met.*
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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 College 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)**

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

** Fine Arts: Includes visual & performing arts
APPENDIX A: NCAA ELIGIBILITY

NCAA Eligibility Center

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

NCAA Division I Initial-Eligibility Requirements

Core Courses: (16)
- Initial full-time collegiate enrollment before August 1, 2016:
- Initial full-time collegiate enrollment on or after August 1, 2016
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).
  - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
  - These courses/grades are “locked in” at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
  - Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).

Test Scores: (ACT/SAT)
- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
  - SAT: critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - ACT: English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT composite score for initial eligibility.
- All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
- Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average:
- Only core courses that appear on the high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- Initial full-time collegiate enrollment before August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
- Core-course GPA is calculated using the best 16 core courses that meet subject-area requirements.
- Initial full-time collegiate enrollment on or after August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the best 16 core courses that meet both progression (so before seventh semester; seven in English, math or science; “locked in”) and subject-area requirements.

| DIVISION I – 2016 Qualifier Requirements | 10 core courses
- Ten (10) core courses
- Completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
- “Locked in” for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
- Graduate from high school. |
| DIVISION I – 2016 Academic Redshirt Requirements | 10 core courses
- No grade/credits “locked in” (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
- Graduate from high school. |
| DIVISION I – 2016 Core-Course Requirement (16) | 4 years of English
3 years of math (Algebra I or higher)
2 years of natural/physical science
1 year of additional English, math or natural/physical science
2 years of social science
4 years of additional courses (any area above, foreign language or comparative religion/philosophy) |
### Sliding Scale A
Use for Division I prior to August 1, 2016

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### Sliding Scale B
Use for Division I beginning August 1, 2016

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For more information, visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or [www.2point3.org](http://www.2point3.org).
Division II Initial-Eligibility Requirements

Core Courses
- Division II currently requires 16 core courses. See the chart below.
- Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores
- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68. Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average
- Be sure to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Only courses that appear on your school’s approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

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<tr>
<td>2 years of natural/physical science (1 year of lab if offered by high school).</td>
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<td>3 years of additional English, mathematics or natural/physical science.</td>
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<tr>
<td>2 years of social science.</td>
</tr>
<tr>
<td>4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).</td>
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### Division II Competition Sliding Scale

**Use for Division II beginning August 1, 2018**

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### Division II Partial Qualifier Sliding Scale

**Use for Division II beginning August 1, 2018**

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