# Pueblo West High School




# Course Guide 2025-2026

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**✤ This symbol denotes those courses that are weighted.**

**This symbol denotes courses that are offered for college credit.**

**Principles of Biomedical Science**

**Courses not approved by NCAA are noted.**

**PLTW- Project Lead the Way**

"ACHIEVING EXCELLENCE TOGETHER"

# Laude Honor System–Starting with the Graduating Class of 2028

The Latin Laude Honors System, which grants students Summa Cum Laude, Magna Cum Laude, and Cum Laude titles based on their grade point average (GPA), allows students who are at or above a clearly defined cumulative GPA to be recognized for their academic achievement.

- Celebrates the achievements of many students, not just the one with the highest GPA. This inclusivity encourages and motivates students to pursue their interests, talents, and passions to achieve post-secondary goals as indicated through their ICAP rather than taking courses solely to increase class rank
- Alleviates the pressure of class rank which can negatively affect students' social and emotional well-being, contributing to better mental health and well-being for students.
- It encourages a well-rounded education and allows students to take more challenging or diverse courses without the fear of adversely affecting their class rank.
- Less than 20% of colleges consider a class rank as a factor for admission
- Universities/Colleges focus on the rigor of courses taken, test scores, and student involvement in the school and community

Graduating senior transcripts will reflect the cumulative GPA and Laude Honor earned. Students can earn one of three Laude Honors by meeting the following requirements on a 4.0 scale:

- Summa Cum Laude ("with the highest honor") – students earning a 4.0 or higher GPA
- Magna Cum Laude ("with great honor") – students earning a 3.75–3.99 GPA
- Cum Laude ("with honor") – students earning a 3.5–3.74 GPA

**Pueblo West High School-Class Progression**

25 Total Credits Needed for Graduation

| **Curriculum Area**<br>***Bold is Accelerated Track** | **Grade 9** | **Grade 10** | **Grade 11** | **Grade 12** |
|---|---|---|---|---|
| **English**<br>4 credits required | English 1<br>or<br>**Honors English1** | English 2<br>or<br>**Honors English 2** | English 3<br>Technical Writing<br>or<br>**AP English Literature** | English 4<br>Senior Intro to Poetry<br>Senior Creative Writing<br>Technical Writing<br>or<br>**AP English Language**<br>**IB English Lang/Lit 12 HL/SL** |
| **Math**<br>3 credits required | Algebra 1<br>or<br>**Geometry**<br>**Honors Geometry**<br>**Algebra 2**<br>**Honors Algebra 2** | Geometry<br>or<br>**Honors Geometry**<br>**Algebra 2**<br>**Honors Algebra 2**<br>**Pre-Calc/Trig**<br>**College Algebra** | Algebra 2<br>or<br>**Honors Algebra 2**<br>**Pre-Calculus Trigonometry**<br>**College Algebra**<br>**Problem Solving**<br>**Probability & Statistics**<br>**Mathematical Modeling**<br>**AP Calculus**<br>**AP Statistics**<br>**IB Math Applications/Interpret11SL**<br>**IB Math Analysis/Approaches 11SL** | Algebra 2<br>or<br>**Honors Algebra 2**<br>**College Algebra**<br>**Pre-Calculus Trigonometry**<br>**Problem Solving**<br>**Probability & Statistics**<br>**Mathematical Modeling**<br>**AP Calculus**<br>**AP Statistics**<br>**Applications/Interpret11SL**<br>**IB Math Analysis/Approaches 11SL** |
| **Science**<br>3 credits required | Biology<br>or<br>**Honors Biology**<br>**Principles of Biomedical Science** | Geology<br>Chemistry<br>or<br>**Honors Chemistry**<br>**Human Body Systems** | Geology<br>Chemistry<br>Physics 1<br>or<br>**Honors Chemistry**<br>**Human Body Systems**<br>**Medical Interventions**<br>**AP Biology**<br>**AP Chemistry**<br>**AP Physics**<br>**IB Sports, Exercise, Health 11SL** | Botany/Zoology<br>Physics<br>or<br>**Honors Chemistry**<br>**Human Body Systems**<br>**Medical Interventions**<br>**Biomedical Innovation**<br>**AP Biology**<br>**AP Chemistry**<br>**AP Physics**<br>**IB Biology 12 SL**<br>**IB Physics 12 SL**<br>**IB Sports, Exercise, Health 12SL** |
| **Social Studies**<br>3 credits required | US History<br>or<br>**Honors US History** | World History<br>or<br>**Honors World History**<br>**AP US Govern & Politics (teacher recommendation)** | American Government<br>Economics<br>Criminology<br>Sociology<br>or<br>**AP US History**<br>**AP US Govt. & Politics**<br>**AP Psychology**<br>**IB Philosophy SL** | American Government<br>Economics<br>Criminology<br>Sociology<br>or<br>**AP US History**<br>**AP US Govt. & Politics**<br>**Adv. Modern World**<br>**IB History 12 HL**<br>**IB Philosophy SL** |
| **Physical Education**<br>1.5 credits required<br>.5 Health required | **Electives**<br>10 credits required | | | |

GRADUATION GUIDELINES | FACT SHEET

# Menu of College and Career-Ready Demonstrations

Local school boards establish high school graduation requirements that meet or exceed the Colorado Graduation Guidelines for the graduating class of 2021.

**Local school boards and districts** select from this menu to create a list of options that their students must use to show what they know or can do in order to graduate from high school, beginning with the graduating class of 2021. School districts may offer some or all of the state menu options, may raise a cut score on an included assessment and may add graduation requirements in other content areas.

**Graduation Guidelines begin with the implementation of Individual Career and Academic Plans (ICAP); 21st Century Essential Skills; and Colorado Academic Standards for all content areas, including Civics.**

**Students** must demonstrate college or career readiness in English and math based on at least one measure.

Districts have the authority to adapt the college and career demonstrations necessary to earn a standard high school diploma to accommodate for: English learners, gifted student and students with disabilities.

**MENU OF OPTIONS:** This menu lists the minimum scores required.

## ACCUPLACER

| | ENGLISH | MATH |
|---|---|---|
| Classic | 62 on Reading Comprehension OR 70 on Sentence Skills | 61 on Elementary Algebra |
| Next Generation | 241 on Reading OR 236 on Writing | 255 on Arithmetic (AR) OR 230 on Quantitative Reasoning, Algebra, and Statistics (QAS) |

ACCUPLACER is a computerized test that assesses reading, writing, math and computer skills. The results of the assessment, in conjunction with a student's academic background, goals and interests, are used by academic advisors and counselors to place students in college courses that match their skill levels.

## ACT

| ENGLISH | MATH |
|---|---|
| 18 on ACT English | 19 on ACT Math |

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

## ACT WorkKeys – National Career Readiness Certificate

| ENGLISH | MATH |
|---|---|
| Bronze or higher | Bronze or higher |

ACT WorkKeys is an assessment that tests students' job skills in applied reading, writing, mathematics and 21st century skills. Scores are based on job profiles that help employers select, hire, train, develop and retain a high-performance workforce. Students who score at the bronze level (at least 3) in Applied Mathematics, Graphic Literacy and Workplace Documents, earn the ACT's National Career Readiness Certificate.

## Advanced Placement

| ENGLISH | MATH |
|---|---|
| 2 | 2 |

AP exams test students' ability to perform at a college level. Districts choose which AP exams will fulfill this menu option. Scores range from 1 to 5 (highest).

## ASVAB

| ENGLISH | MATH |
|---|---|
| 31 on the AFQT | 31 on the AFQT |

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

## Concurrent Enrollment

| ENGLISH | MATH |
|---|---|
| Passing grade per district and higher education policy | Passing grade per district and higher education policy |

Concurrent enrollment provides students the opportunity to enroll in postsecondary courses, simultaneously earning high school and college credit. School districts and institutions of higher education each determine passing grades for credit and concurrent enrollment. An eligible concurrent enrollment course is 1) the prerequisite directly prior to a credit-bearing course or 2) a credit-bearing course.

## District Capstone

| ENGLISH | MATH |
|---|---|
| Individualized | Individualized |

A capstone is the culminating exhibition of a student's project or experience that demonstrates academic and intellectual learning. Capstone projects are district determined and often include a portfolio of a student's best work.

## Industry Certificate

| ENGLISH | MATH |
|---|---|
| Individualized | Individualized |

Industry certificates are credentials recognized by business and industry. They are district determined, measure a student's competency in an occupation and they validate a knowledge base and skills that show mastery in a particular industry.

## International Baccalaureate (IB)

| ENGLISH | MATH |
|---|---|
| 4 | 4 |

IB exams assess students enrolled in the official IB Diploma Programme. Courses are offered only at authorized IB World Schools. Scores range from 1 to 7 (highest).

## SAT: Scores updated for SAT (2016)

| ENGLISH | MATH |
|---|---|
| 470 | 500 |

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

## Collaboratively developed, standards-based performance assessment

| ENGLISH | MATH |
|---|---|
| State-wide scoring criteria | State-wide scoring criteria |

An authentic application of Essential Skills for Postsecondary and Workforce Readiness, through the creation of a complex product or presentation. (In development)

**District Guidance:** www.cde.state.co.us/postsecondary/graduationguidelines

Draft, July 2019

# *Pueblo West High School*
# *Course Options/College Credit*

**College Courses Onsite:** **Students may elect to receive STS college credits through CSU-P or Concurrent Enrollment Onsite credits through PCC while taking courses at PWHS. There are 12 PWH teachers that are credentialed to teach at the college level. The classes in the chart that are highlighted in gray are taught for college credit, for a total of 69 college credits that can be earned on the Pueblo West campus. D70 assists with tuition and students will receive college credit for a grade of C or better.** ***Students will pay a portion of tuition and fees ($25 per credit hour).***

**AP (Advanced Placement) courses: These courses offer a nationally recognized rigorous curriculum, preparing students for college. Requires AP testing for college credit recognized at colleges/universities (including out-of-state schools). Each college/university sets a score required to earn credit and how many credit hours to be given in a corresponding class at that school. You may visit the college/university websites to see what college credits can be earned at that school. Students have the ability to earn 3 or more college credits with an AP score of 3 or more.** ***There is a $99 fee for AP testing. See Course Guide for details.***

**IB (International Baccalaureate) PWHS students may participate in the IB Diploma Program (DP). The DP is a rigorous, academically challenging and balanced programme of education designed to prepare students aged 16 to 19 for success at university and life beyond. A student may take a single DP course or participate in the full-diploma program in which he/she may earn an international diploma in addition to his/her high school diploma. In order to earn college credit recognized at colleges/universities worldwide, students must take the DP exam(s). Each college/university determines how much and what type of credit will be awarded based on the course and score earned. Students may earn 3 credits or more with a DP score of 4 or more in a course. For information about earning the IB diploma, college credit, and testing, contact the DP Coordinator at PWHS.** ***See the PWHS Course Guide for course details including testing fees.***

**CE-PT (Concurrent Enrollment Part-Time) courses: Students in grades 11 and 12 may earn high school elective college credit while taking classes at these colleges/universities. D70 will pay tuition ONLY unless taking CTE courses such as welding, culinary arts, cosmetology, nursing, etc. Students must maintain a grade of C or better.** ***Students are responsible for books and fees ($250+).***

**CE-FT (Concurrent Enrollment Full-Time): Students in grades 11 and 12 may elect to attend college full-time (criteria specific). Applications are available in the counseling office.** ***Students are responsible for books and fees ($250+)***

| PWHS Courses | Grade | Offered By | PWHS credit | College Credit Available | Teacher(s) |
|---|---|---|---|---|---|
| Adv. Modern World History | 12 | STS | 1 credit Social Studies | 6 credits-History 111 and Pol. Sci. 202 at CSUP | Sloan |
| AP Computer Science A | 11-12 | AP | 1 credit Elective | AP Computer Science A exam | TBA |
| AP Calculus | 11-12 | AP and STS | 1 credit Math | 5 credits-Math 201 at PCC or AP exam | Cunningham |
| AP Chemistry | 11-12 | AP | 1 credit Science | AP Chemistry exam | TBA |
| AP English Literature | 11 | AP and STS | 1 credit English | 3 credits-Literature 130 at CSUP or AP exam | Holmes, Vertovec |
| AP English Language/Comp | 12 | AP and STS | 1 credit English | 6 credits-English 101 & 102 at CSUP or AP exam | Graham |
| AP Physics | 11-12 | AP | 1 credit Science | AP Physics exam | Osborne |
| AP Statistics | 11-12 | AP and STS | 1 credit Math | 3 credits-Math 135 at PCC or AP exam | Cunningham |
| AP US History | 10-12 | AP and STS | 1 credit Social Studies | 6 credits-US History 201 & 202 at CSUP or AP exam | Sloan |
| AP US Govt. & Politics | 10-12 | AP and STS | 1 credit Social Studies | 3 credits-Pol Sci 101 at CSUP or AP exam | Erickson |
| Biomedical Innovation | 12 | STS | 1 credit Science | TBD | Cowles |
| College Algebra | 10-12 | STS | 1 credit Math | 4 credits-Math 121 at PCC | Sisneros |
| Human Body Systems | 10-12 | STS | 1 credit Science | TBD | Cowles |
| AP Biology | 11 | AP and STS | 1 credit Science | 4 credits-Biology 100/100L at CSUP or IB Exam | Osborne |
| IB Biology 12 | 12 | IB and STS | 1 credit Science | 4 credits-Biology 121/121L at CSUP or IB Exam | Osborne |
| IB English Lang/Lit | 11-12 | IB | 1 credit English | IB English exam | Wilson |

| | | | | | |
|---|---|---|---|---|---|
| **IB History** | **11-12** | **IB** | **1 credit Social Studies** | **IB History exam** | **Gilman** |
| **IB Math Analysis & Approaches** | **11-12** | **IB** | **1 credit Math** | **IB Math exam** | **McHenry** |
| **IB Math Applications & Interpretations** | **11-12** | **IB** | **1 credit Math** | **IB Math Studies exam** | **Mutz** |
| **IB Philosophy** | **11-12** | **IB** | **1 credit Social Studies** | **IB Philosophy exam** | **Garner** |
| **IB Physics** | **11-12** | **IB** | **1 credit Science** | **IB Physics exam** | **Osborne** |
| **AP Psychology** | **11-12** | **AP** | **1 credit Social Studies** | **AP Psychology exam** | **MacIndoe** |
| **Honors English 3** | **11** | **STS** | **1 credit Elective** | **5 credits-SPA 1011 at PCC or IB Spanish Ab Initio exam** | **Amella** |
| **IB Spanish Ab Initio 12** | **12** | **IB and STS** | **1 credit Elective** | **5 credits-SPA 1012 at PCC or IB Spanish Ab Initio exam** | **Amella** |
| **IB Sports, Exercise, Health** | **11-12** | **IB and STS** | **1 credit Science** | **3 credits-EXHP 291 at CSUP or IB Sports exam** | **Menegatti** |
| **IB Business Management** | **11-12** | **IB** | **1 credit Elective** | **IB Business Management exam** | **Purvis** |
| **IB Visual Art** | **11-12** | **IB** | **1 credit Elective** | **IB Visual Art exam** | **Ethridge** |
| **Medical Intervention** | **10-12** | **STS** | **1 credit Science** | **TBD** | **Cowles, Lopez** |
| **Principles of Biomedical Science** | **9** | **STS** | **1 credit Science** | **TBD** | **Allen, Lopez** |
| **Pre Calc/Trig** | **10-12** | **STS** | **1 credit Math** | **3 credits-Math 122 at PCC** | **Sisneros** |

***This information is subject to change. (2/25)**

## Weighted Grades

**Weighted courses receive an additional value toward a student's grade point average. The idea is to reward a student's achievement proportional to degree of difficulty of a course. Weighted grades encourage students to take more challenging courses. Students must earn a C or better in a course to receive the added value point. Each weighted course is as follows: A=5, B=4, C=3, D=1, and F=0. Weighted grades will be recorded on the student's transcript.**

**Below is a list of PWHS weighted courses.**

**ENGLISH**
**Honors English 1**
**Honors English 2**
**AP English Lit & Composition**
**AP English Lang & Composition**
**IB English Lang/Lit SL**
**IB English Lang/Lit 12 HL**

**MATH**
**Honors Geometry**
**Honors Algebra 2**
**Technical Math**
**College Algebra**
**Pre-Calculus/Trigonometry**
**AP Calculus AB**
**AP Statistics**
**IB Math Analysis 11 & 12 SL**
**IB Math Applications 11 & 12 SL**

**SCIENCE**
**Principles of Biomedical Science**
**Human Body Systems**
**Medical Interventions**
**Biomedical Innovation**
**Anatomy & Physiology**
**AP Biology**
**IB Biology 12 HL**
**Honors Chemistry**
**IB Physics 12 SL**
**IB Sports, Exercise, and Health SL**

**SOCIAL STUDIES**
**Honors US History**
**Honors World History**
**Adv. Modern World History**
**AP US History**
**IB History 12 HL**
**IB Theory of Knowledge**

**WORLD LANGUAGE**
**IB Spanish Ab Initio 11 & 12 SL**
**Honors Spanish 3**

**BUSINESS/TECHNOLOGY**
**IB Business Manage 12 SL**
**IB Business Manage 12 HL**
**AP Computer Science A (A/B)**

**FINE ARTS**
**IB Visual Art 12 SL**
**IB Visual Art 12 HL**

## ENGLISH LANGUAGE ARTS COURSE OFFERINGS

English courses at Pueblo West High School prepare students for learning beyond high school. Required English courses incorporate the Colorado Core Content standards for Reading, Writing, and Communicating. Elective courses offer learning and enrichment in specific areas of language arts and offer Seniors more English alternatives. Honors and advanced courses require more extensive reading, writing, and application of language arts skills. Students must complete four (4) credits of required English courses to graduate.

**English 1**
Grade: 9 1 credit
Standards Addressed: Reading, Writing, and Communicating 1-4

This course is designed to introduce and support reading skills and strategies, critical thinking strategies, and multiple writing genres that may be used across the curriculum. Instruction will center on standard thematic units, vocabulary development, learning strategies, and grammar instruction. Students will be assessed through traditional and performance-based methods. Students can work individually, develop the skills necessary for successful group projects, and learn how to integrate technology.

**Honors English 1 ✤**
Grade: 9 1 credit
Prerequisite: Strong rating on State assessments
Standards Addressed: Reading, Writing, and Communicating 1-4

This course is designed for entering students who have demonstrated a high degree of mastery of 8th-grade language arts standards. Its objectives include 9th-grade curriculum material, accelerated study of standard formal grammar usage, discussion leadership, oral presentation, mastery of expository, persuasive, narrative, and descriptive essays, and limited research**. Summer reading is generally required and can be obtained online or from the instructor before the preceding year concludes.**

**English 2**
Grade: 10 1 credit
Prerequisite: English 1
Standards Addressed: Reading, Writing, and Communicating 1-4

This course is designed to extend and refine the skills learned in English 1. Students will demonstrate the ability to write about literary genres, including essays, poems, novels, and plays. Students will build formal grammar usage and vocabulary to write expository, persuasive, narrative, and descriptive essays. Assessment will include traditional and performance-based methods; technology integration will be more prevalent as students become more adept at using these resources.

**Honors English 2 ✤**
Grade: 10 1 credit
Prerequisite: C or better in English 1 – Honors English 1/Strong rating on State assessments
Standards Addressed: Reading, Writing, and Communicating 1-4

This course is designed for entering students who have demonstrated a high degree of mastery of 9th-grade language arts standards. This course's objectives include 10th-grade curriculum material with added enrichment in the study of standard formal grammar usage, discussion leadership, oral presentation, mastery of essay writing, and success strategies for pre-collegiate achievement tests. **Summer reading is generally required and can be obtained online or from the instructor before the preceding year concludes.**

**English 3**
Grade: 11 1 credit
Prerequisite: English 1 and English 2
Standards Addressed: Reading, Writing, and Communicating 1-4

This college preparatory course builds upon the skills developed in previous language arts courses to study American literature and its significance in the modern world. It will recognize writing as a record of its diverse political and economic development. In addition to critical reading skills, analytical writing skills will be developed, preparing students to read and write at the college level. Students will also be given opportunities to prepare for the SAT exam in April.

**Advanced Placement Literature and Composition (11th Grade) ✤**
Grade: 11 1 credit
Prerequisite: C or better in Honors English 2 – English 2/Strong rating on State assessments
Standards Addressed: Reading, Writing, and Communicating 1-4

This course engages students in becoming skilled readers of literature written in various rhetorical contexts and becoming skilled writers who compose for multiple purposes. Their writing and reading should make students aware of the interactions among writers' intentions, audience expectations, and subjects and how conventions and language resources contribute to writing effectiveness. Although preparation for the AP Exam is a focus of this course, other objectives are emphasized just as heavily: skills in literary analysis and criticism, analytical writing, close reading skills, and literary research (primarily as dealt with in complicated texts); the recognition of critical analysis skills and an understanding of what "text" and "literacy" are: as they are currently defined and how they will change in response to developing technology will be invaluable in this course, the workforce and college readiness. **Summer reading is generally required and can be obtained online or from the instructor before the preceding year concludes. This course is offered for STS credit for ENG 130.** *Fees are required to take the AP exam and college credit.*

**English 4**
Grade: 12 1 credit
Prerequisite: English 1, English 2, English 3
Standards Addressed: Reading, Writing, and Communicating 1-4

This course emphasizes the study of world literature to develop analytic skills, including rhetorical analysis. For college-bound students, the writing will emphasize formal descriptive, narrative, expository, and persuasive essays. Other writing will include resumes and college application essays. This course is designed to familiarize students with college readiness, reading strategies for complicated texts, and crafting appropriate and relevant responses to analytic prompts.

**Advanced Placement Language and Composition (12th Grade) ✤**
Grade: 12 1 credit
Prerequisite: C or better in AP Lit – English 3/Strong rating on State assessments
Standards Addressed: Reading, Writing, and Communicating 1-4

In this course, students will read various texts to understand the essential elements of rhetoric: writing with a purpose, addressing and appealing to an audience, creating effective text structures, and affecting an appropriate style. Further emphasis is placed on the skills of synthesizing, summarizing, paraphrasing, quoting, and citing secondary source material. Reading material will come from various sources, including potentially controversial non-fiction. This program is designed to ensure success on the College Board Advanced Placement exam offered for college credit. **Summer reading is generally required and can be obtained online or from the instructor before the preceding year concludes. This course provides Concurrent Enrollment credit for English 101 and 102.** *Fees are required to take the AP exam **and** for college credit.*

**IB English Language and Literature 12 SL ✤**
Grade: 12 1 credit
Prerequisite: English 1, English 2, English 3
Standards Addressed: Reading, Writing, and Communicating 1-4

The Language A: Language and Literature SL course is a one-year course aimed at studying language's complex and dynamic nature and exploring its practical and aesthetic dimensions. The course will explore the crucial role language plays in communication, reflecting experience and shaping the world, and the roles of individuals as language producers. Throughout the course, students will explore how language choices, text types, literary forms, and contextual elements affect meaning. Through close analysis of various text types and literary forms, students will consider their own interpretations, as well as the critical perspectives of others, to explore how such positions are shaped by cultural belief systems and to negotiate meanings for texts.
**Summer reading is required and can be obtained online or from the instructor before the preceding year concludes.**

Students wishing to earn the college credit associated with this class may choose to sit for the IB exam in May. *The cost to take one IB exam is approximately $119. IB testing fees are due by October.*

**IB English Language and Literature 12 HL ✤**
Grade: 12 1 credit
Prerequisite: **IB English Language and Literature 11**
Standards Addressed: Reading, Writing, and Communicating 1-4

The Language A: Language and Literature HL course is a two-year course that aims to study language's complex and dynamic nature and explore its practical and aesthetic dimensions. The course will explore the crucial role language plays in communication, reflecting experience and shaping the world, and the roles of individuals as language producers. Students will explore how language choices, text types, literary forms, and contextual elements affect meaning throughout the course. Through close analysis of various text types and literary forms, students will consider their interpretations and the critical perspectives of others to explore how cultural belief systems shape such positions and negotiate meanings for texts.
**Summer reading is required and can be obtained online or from the instructor before the preceding year concludes.**
Students wishing to earn the college credit associated with this class may choose to sit for the IB exam in May. *The cost to take one IB exam is approximately $119. IB testing fees are due by October.*

**Technical Writing**
Grade 12 1 Credit
Prerequisite: English 1, English 2, English 3
Standards Addressed: Reading, Writing, and Communicating 1-4

This course emphasizes developing skills students can apply to various technical documents. Coursework focuses on principles for organizing, writing, and revising clear, concise documents for industry, business, and government. Students will be evaluated on their ability to write thoughtful, coherent, thesis-driven, and well-structured essays that convey a clear sense of audience and purpose.
**This course offers Concurrent Enrollment credit for Eng 103 through PCC.**

## LANGUAGE ARTS ELECTIVES

English electives are designed to enrich talents in specific areas of language arts. Only ***specific*** electives ***can be*** substituted for required *Senior English* courses to fulfill graduation requirements. Some electives may have prerequisites of proficiency in other areas of language arts. All elective courses must have a *minimum of 15 students* enrolled for the course to make.

**Senior Creative Writing**
Grade: 12 .5 credit
Prerequisite: English 1, English 2, English 3
Standards Addressed: Reading, Writing, and Communicating 1-4

Students will explore the writing process through journals, short stories, and pieces in varying genres. They will peer workshop to develop skills in literary techniques and to create sophistication in their writing. Aside from broadening students' literary scope, helping them read with a critical eye, and exposing them to constructive criticism, this class will cultivate an artistic appreciation for the beauty of language. Publication in the school literary magazine *Eye of the Storm* or other media will be encouraged. This course is a .5 elective ***or*** .5 English credit for ***only*** 12th-grade students. **The course *may not* be taken twice over four years of high school to receive elective *and* 12th-grade English credit.**

**Senior Intro to Poetry**
Grade: **12** .5 Credit
Standards Addressed: Reading, Writing, and Communicating 1-4

Students will explore the writing process through journals and poetry and read various poems by a diverse set of authors. They will understand the elements and forms of writing to design their creations through various writing activities. As well as broadening students' literary scope and exposing them to constructive criticism, this class will cultivate an artistic appreciation for the beauty of language. This course is a .5 elective ***or*** .5 English credit for ***only*** 12th-grade students. **The course *may not* be taken twice over four years of high school to receive elective *and* 12th-grade English credit.**

**Senior Seminar**
Grade: **12** .5 credit
Standards Addressed: Reading, Writing, and Communicating 1-4

Senior Seminar is a college and career readiness course designed to aid students in making and achieving career goals via classroom curriculum and the awareness of school-to-career experiences. A connection of classroom activities will help students make insightful college and career path decisions. This course will prepare students for the next chapter in their lives, whether post-secondary education, the world of work, or becoming an armed forces member. Marketing "you," networking, understanding scholarships, creating resumes, completing job applications, and writing effective cover letters will be explored over the semester.

# PWHS Language Arts Pathways

4 years of Language Arts Required for Graduation

**9th**

| | |
|---|---|
| **English 1** | **Honors English 1** |

****Eng 1 can go into Honors Eng 2 with teacher recommendation**

**10th**

| | |
|---|---|
| **English 2** | **Honors English 2** |

****Eng 2 can go into Honors Eng IB11/AP Lit 11 with teacher recommendation**

**11th**

| | |
|---|---|
| **English 3** | **AP Literature and Composition 11** |

**12th**

| | | | | | |
|---|---|---|---|---|---|
| **English 4** | **AP Language and Composition 12** | **IB Language and Literature 12** | **Senior Creative Writing** (.5 credit) | **Senior Intro to Poetry** (.5 credit) | **Technical Writing** (.5 credit) |

## MATHEMATICS COURSE OFFERINGS

**Algebra 1**
Grade: 9-12 1 credit
Prerequisite: 8th Grade Math (Course 3) or Pre-Algebra
Standards Addressed: Mathematics 1, 2, 3, 4

This course sets the foundation for all future math and science courses. It aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations, inequalities, and systems. These skills are extended to solving quadratic equations, exploring linear, quadratic, and exponential functions graphically, numerically, symbolically, and as sequences, and by using regression techniques to analyze the fit of models to distributions of data. Successful completion of both semesters of Algebra 1 is the prerequisite for many other math courses. On a daily basis, students will use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Under teacher guidance, students learn in collaboration with others while sharing information, expertise, and ideas.

**Geometry**
Grade: 9-12 1 credit
Prerequisite: Students must have passed both semesters of Algebra 1
Standards Addressed: Mathematics 1, 2, 3, 4

This course aims to extend the geometry that students have learned in previous courses and help students continue to develop their Algebra 1 skills. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions and building a formal understanding of similarity based on dilations and proportional reasoning. It also helps students develop the concepts of formal proof, explore the properties of two- and three-dimensional objects, work within the rectangular coordinate system to verify geometric relationships and prove basic theorems about circles. Students also use the language of set theory to compute and interpret probabilities for compound events. Students use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others while sharing information, expertise, and ideas.

**Geometry in Construction**
Grade: 9-12 2 credits (Math and Woodworking Credit)
Prerequisite: Algebra 1
Corequisite: Construction Technology 1
Standards Addressed: Mathematics 1, 2, 3, 4 and ISTE 1-6

Geometry in Construction is a course designed to help students understand the many applications of Geometry and construction. Students will use coordinate Geometry to investigate perimeter, volume, transformations, congruence and functions. Students will be able to use Geometry in hands-on construction projects. In addition to Geometry, students will expand their knowledge and experience through various projects, lessons, and vocabulary. They will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. The projects are designed to give students as much experience as possible by using many different machines and tools. The projects will also cover as many aspects of the building and woodworking industries as possible in an entry-level course.

Upon successful completion of this course, students will have woodworking skills that will be useful in any aspect of the construction industry. Additionally, students should have a broader understanding of multiple construction processes as well as stronger problem solving skills.

**Honors Geometry ✤**
Grade: 9-12 1 credit
Prerequisite: Algebra 1 and a teacher recommendation
Standards Addressed: Mathematics 1, 2, 3, 4

This course is taught at a rigorous pace. Time outside of the course is needed for successful completion of the workload. Good study habits and attendance will be crucial for student success. A strong Algebra background is highly recommended. Honors Geometry aims to extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions and building a formal understanding of similarity based on dilations and proportional reasoning. It also helps students develop the concepts of formal proof, explore the properties of two- and three-dimensional objects, work within the rectangular coordinate system to verify geometric relationships and prove basic theorems about circles. Students also use the language of set theory to compute and interpret probabilities for compound events. Students use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others while sharing information, expertise, and ideas. **Summer work is required**.

**Algebra Extensions**
Grade 10-11 1 credit
Prerequisite: Algebra 1, Geometry, and teacher recommendation
Standards Addressed: Mathematics 1, 2, 3, 4,

Algebra Extensions provides review of basic algebra skills with additional skills including solving systems of equations, factoring polynomials, and solving radical equations and quadratics.. **This course does not replace Algebra 1. It is for students who have taken Algebra 1 and Geometry but need more Algebra practice prior to taking Algebra 2.**

**Algebra 2**
Grade: 9-12 1 credit
Prerequisite: Algebra 1 and Geometry
Standards Addressed: Mathematics 1, 2, 3, 4

Algebra 2 aims to apply and extend what students have learned in previous courses including helping students continue to develop their algebra skills. It does this by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. On a daily basis, students use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Under teacher guidance, students learn in collaboration with others while sharing information, expertise, and ideas. The use of a graphing calculator is required throughout this course.

**Honors Algebra 2 ✤**
Grade: 9-12 1 credit
Prerequisite: Algebra 1, Geometry, and a teacher recommendation
Standards Addressed: Mathematics 1, 2, 3, 4

This course is taught at a rigorous pace. Time outside of the course is needed for successful completion of the workload. Good study habits and attendance will be crucial for student success. A strong Algebra background is highly recommended. Honors Algebra 2 builds upon the Algebra skills of the student and provides more skills necessary for post-secondary mathematics. It aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. On a daily basis, students use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Under teacher guidance, students learn in collaboration with others while sharing information, expertise, and ideas. The use of a graphing calculator is required throughout this course. **Summer work is required**.

**Technical Mathematics**
Grade: 11-12 1 credit
Prerequisite: Students must have passed both semesters of Geometry
Standards Addressed: Mathematics 1, 2, 3, 4

This course is designed for career technical or general studies students who need to study particular mathematical topics. Topics include measurement, algebra, geometry, trigonometry, graphs and/or finance. These are presented at an introductory level and the emphasis is on applications. This course is offered for Concurrent Enrollment credit through PCC for MAT 1150.

**Problem Solving**
Grade: 11-12 .5 credit
Prerequisite: Geometry
Standards Addressed: Mathematics 1, 2, 3, 4

This course is designed around the concepts of problem solving, critical thinking, written, and oral communication. Problem solving strategies such as guess-and-check, look for a pattern, working backwards, systematic lists, unit analysis, diagrams, matrix logic, eliminating possibilities, and others will be explored. This course is also designed to give students a firm problem-solving foundation. It teaches them to think and work together, present solutions orally to the whole class, and write up detailed solutions. ***(Not NCAA approved)***

**Probability and Statistics**
Grade: 11-12 .5 credit
Prerequisite: Geometry
Standards Addressed: Mathematics 1, 2, 3, 4

This course introduces real-world applications of probability and statistics. Statistics topics include: collection, analysis, and graphing for categorical and numerical data. Measures of central

tendency and dispersion statistics will also be analyzed. Probability topics include: Venn diagrams, counting principle, combinations and permutations, sample spaces, and experimental and theoretical probabilities for independent and dependent events. Use of calculators will be expected. A limited number of calculators will be available for class use only.

**Math Modeling**
Grade: 11-12 1 credit
Prerequisite: Students must have passed both semesters of Geometry
Standards Addressed: Mathematics 1, 2, 3, 4

This advanced mathematics course is designed to provide students with a deep understanding of how mathematical concepts can be applied to real-world situations. It is intended for students who have successfully completed a course in Geometry. The course focuses on developing quantitative problem-solving skills and explores various practical applications of mathematics in areas such as circuits, business efficiency, planning and scheduling, linear programming, descriptive and inferential statistics, probability, voting systems, fairness, game theory, digital identification numbers, size and growth, and the economics of resources. ***(NCAA approved)***

**College Algebra ✤**
Grade: 9-12 1 credit
Prerequisite: Students must have passed both semesters of Geometry and Algebra 2
Standards Addressed: Mathematics 1, 2, 3, 4

Topics in Algebra designed for students who intend to take the Calculus sequence. Functions, domains, range, graphs, data scatter plots and curve fitting, solving equations and systems of equations, polynomial functions, rational functions, and selected other topics will be taught. Graphic calculators and/or computer algebra systems are used extensively. Applications are emphasized. This course is offered for Concurrent Enrollment credit through PCC for MAT 1340. This course is **NOT** the prerequisite for AP Calculus.

**AP Pre-Calculus/Trigonometry ✤**
Grade: 9-12 1 credit
Prerequisite: Students must have passed both semesters of Geometry and Algebra 2
Standards Addressed: Mathematics 1, 2, 3, 4

Pre-calculus/Trigonometry builds upon the Algebra and Geometry skills of the student and is designed for those students who plan to pursue a career that requires calculus such as law, medicine, engineering, etc. Topics include functions, graphing, polynomials, complex numbers, and rational, exponential, and logarithmic equations. Trigonometry builds upon the Algebra and Geometry skills of the student and is designed for those students who plan to continue the study of math and/or science in college. Topics include graphing trig and inverse trig functions, unit circles, triangles, and exposure to radians vs. degrees. Students are encouraged to take the AP Precalculus exam for possible college credit. *There is a fee associated with the AP exam.* Students will use graphing calculators and other technology to better understand these processes and be able to analyze their results more effectively. The school has a limited supply of graphing calculators. Students are strongly encouraged to acquire one of their own. This course is taught at a rigorous pace. Time outside of the course is needed for successful completion of the workload. Good study habits and attendance will be crucial for student success. This course is offered for Concurrent Enrollment credit through PCC for MAT 1420.
**Summer work is required**.

**AP Statistics ✤**
Grade: 9-12 1 credit
Prerequisite: Algebra 2
Standards Addressed: Mathematics 1, 2, 3, 4

The major topics covered by this course include Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference as well as several applications. Students will learn the relationships between all parts of the statistical process. Through course discussions of problems, oral presentations, and written activities and projects, students will learn how to communicate methods, results, and interpretations using the vocabulary of statistics. Students are encouraged to take the AP Statistics exam for possible college credit. *There is a fee associated with the AP exam.* Students will use graphing calculators and other technology to better understand these processes and be able to analyze their results more effectively. The school has a limited supply of graphing calculators. Students are strongly encouraged to acquire one of their own. This course is taught at a rigorous pace. Time outside of the course is needed for successful completion of the workload. Good study habits and regular attendance will be crucial for student success. This course is offered for Concurrent Enrollment credit through PCC for MAT 1260. **Summer work is required.**

**AP Calculus AB ✤**
Grade: 9-12 1 credit
Prerequisite: Pre-calculus/Trigonometry
Standards Addressed: Mathematics 1, 2, 3, 4

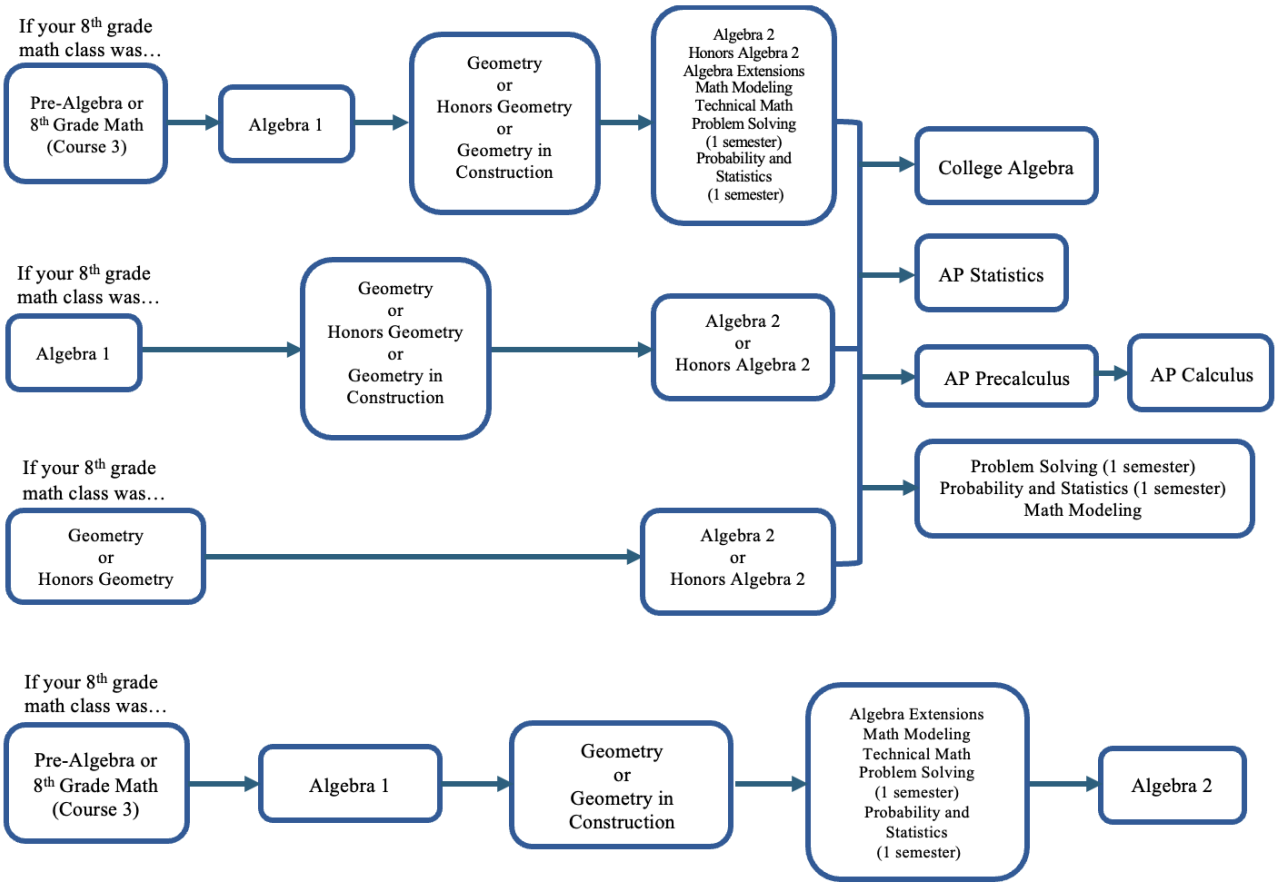
This course will focus on the foundational topics of calculus: Limits and Continuity, Derivatives, Integrals, and the Fundamental Theorem of Calculus as well as several applications. Students will explore Calculus graphically, analytically, and numerically. Students are expected to communicate their understanding of these big ideas through presentations, class discussions, and writings. Students are encouraged to take the AP Calculus AB Exam for possible college credit. *There is a fee associated with the AP exam.* Students will use graphing calculators and other technology to better understand these processes and be able to analyze their results more effectively. The school has a limited supply of graphing calculators. Students are strongly encouraged to acquire one of their own. This course is taught at a rigorous pace. Time outside of the course is needed for successful completion of the workload. Good study habits and regular attendance will be crucial for student success. This course is offered for Concurrent Enrollment credit through PCC for MAT 2410. **Summer work is required.**

**Math Foundations**
Grade: 9 1 credit
Prerequisite: Algebra 1 (Co-requisite)
*This course is not available for all students. A teacher recommendation is needed to enroll in this class.*
Standards Assessed: Mathematics 1, 2, 3, 4

This course is designed to help students repair gaps in their mathematical backgrounds and correct misconceptions. The class is structured to help students develop their ability to think and reason mathematically. They will be required to discuss their findings and support their thoughts to their classmates. Foundational skills and problem solving skills will be addressed so that students can be more successful in Algebra, Geometry, and higher-level courses. Students will be enrolled in this course for the whole school year. **This course does not replace Algebra 1. Students who take this course will also be enrolled in Algebra 1.** ***(Not NCAA approved)***

# PWH Math Course Offerings

*Advancing to the next class in the sequence assumes both semesters of the prerequisite being passed.



## SCIENCE COURSE OFFERINGS

**Biology 1**
Grade: 9 1 credit
Standards Addressed: Life Science (Standard 2)

Biology is the study of living organisms. Through working individually, in small and large groups, the student will gain knowledge of properties of life, form and function of cells, homeostasis of the human body, basic biochemistry of life, energy and metabolism, photosynthesis and cellular respiration, cell reproduction, genetics and evolution, and ecology. Students will learn and practice scientific investigation through activities, experiments, and projects.

**Honors Biology ✤**
Grade: 9 1 credit
Standards Addressed: Life Science (Standard 2)

This course is an in-depth Biology Class designed to discuss the detailed information about the study of life. Parts include Ecology, Chemistry, Cell Structure and Function, Transport, Photosynthesis, Cellular Respiration and more. This class is at an accelerated pace and is designed for those who have an advanced interest in science. Weighted credit will be earned in this course.

**Principles of Biomedical Science (PLTW) ✤**
Grade: 9 1 credit
Prerequisite: Grade of C or better in 8th grade science
Standards Addressed: Life Science (Standard 2)

Principles of Biomedical Science is a course in the PLTW (Project Lead the Way) Biomedical Science Program. This course serves to provide foundational knowledge and skills in the field such as biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real world situations. From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students explore the vast range of careers in biomedical sciences. They develop not just technical skills, but also in-demand, transportable skills that they need to thrive in life and career. Students can earn optional elective credit through UCCS.
Lab Fee $20

**AP Biology ✤**
Grade: 11 -12
Standards Addressed: Life Science (Standard 2)
Prerequisite: Biology 1, Chemistry

AP Biology is equivalent to a two-semester college introductory biology course for biology majors. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. Hands-on laboratory work will provide students with opportunities to apply the science practices. Students will develop inquiry and reasoning skills, such as designing a

plan for collecting data, analyzing data, applying mathematical routines, and justifying arguments using evidence. Students are encouraged to take the AP exam for possible college credit or students can earn STS credit through CSUP. *There is a fee associated with the AP exam.*

**IB Biology 12 HL ✤**
Grade: 12 1 credit
Standards Addressed: IB Curriculum as described below
Prerequisite: IB Bio 11

This is the 2nd year of a two- year course that uses student driven activities to learn the concepts of living organisms and the multiple disciplines that are incorporated in the study of biology. By working individually and in small and large groups, the student will learn the value of individual, cultural and ethnically different views of the world and gain a knowledge of the properties of life, form and function of cells, basic biochemistry of life, energy and metabolism, photosynthesis and cellular respiration, cell reproduction, genetics and evolution, classification, and the six kingdoms of life. The student will learn scientific investigation through student driven activities and experiments. Inquiry based learning is used extensively throughout the course. Students enrolling in both years of the course may choose to sit for the IB exams at the end of the second year which, with a passing score, will earn college credit at most universities. Students will complete their own independent investigation as part of the Internal Assessment their senior year. Students can earn STS credit for IB Bio 11 through CSUP. *The cost to take an IB exam is approximately $119. IB testing fees are due by October 20th of the second year.*

**Principles of Physical Science**
Grade: 10-12 1 credit
Prerequisite: Biology I, Algebra I (co-requisite)
Standards Addressed: Physical Science (Standard 1)

This course introduces students to a survey of chemistry and physics through 2 semester courses. The physics semester will include topics in mechanics, forms of energy, motion, and electricity. The chemistry semester will include topics about atomic structure, properties of matter, chemical bonding, chemical reactions and conservation of mass and energy. This class emphasizes basic principles of physics and chemistry, relationships, and their practical applications. Topics are developed with a minimum of mathematical presentation. Projects may require students to supply their own simple materials.

**Geology**
Grade: 10-12 1 credit
Prerequisite: Biology I
Standard Addressed: Earth Science (Standard 3)

This course will cover the earth science standards through the study of geology and astronomy. The geology portion of the course will focus on physical geology. Topics include mineralogy, plate tectonics, geomorphology, geological hazards, planetary evolution, paleontology, sedimentary

processes, and economic geology. Students will also survey topics in astronomy. Topics will include Earth and its motions, the solar system, the moon and sun, stars, star development and classification, and other objects within and outside the solar system. Students will develop a better understanding of the Earth and universe through research and participation in individual and group projects.

**Human Body Systems (PLTW) ✤**
Grade: 10-12
Prerequisite: Principles of Biomedical Science
Standards Addressed:

Human Body Systems is a course in the PLTW (Project Lead the Way) Biomedical Science Program. Students will examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases. Students can earn optional elective credit through UCCS. Lab fee $20

**Chemistry**
Grade: 10-12 1 credit
Prerequisite: Biology 1, Algebra 1
Standards Addressed: Physical Science (Standard 1)

This course is designed as a college prep introduction to general chemistry principles and theories. This course is recommended for students entering the fields of science, medicine, or engineering. Topics include dimensional analysis, atomic theory, scientific measurement, chemical reactions, stoichiometry, gas laws, nomenclature, solution behavior, and application of the periodic table. Its approach also emphasizes rigorous problem solving and quantitative laboratory work necessary for college work. Safe lab procedures are practiced stressing data collection and analysis. The ability to apply mathematical skills is essential. *A lab fee of $10.00 will be required.*

**Honors Chemistry ✤**
Grade: 10 -12 1 credit
Prerequisite: Accelerated Biology 1, Algebra 2 (concurrent)
Standards Addressed: Physical Science (Standard 1)

Accelerated Chemistry is a fast-paced introductory chemistry course intended to prepare students for further study in chemistry, Advanced Placement. `There is a stress on the theoretical and quantitative aspects of chemistry. Students electing this course should be extremely skilled in the use of algebra and arithmetic as these are the basic tools in both course and lab work. Inquiry methods will be utilized in both lecture and lab work. Topics covered include measurement and accuracy, scientific method, gas laws, moles, chemical reactions, periodicity, bonding, energetics, and kinetics. *A lab fee of $10.00 will be required.*

**AP Chemistry ✤**
Grade: 11-12 1 credit
Prerequisite: Chemistry/Accelerated Chemistry, Pre-calculus/Trigonometry
Standards Addressed: Physical Science (Standard 1)

This course is designed to be equivalent to the general chemistry course taken during the first year of college. Successful completion of Accelerated Chemistry 1 is required. This course will emphasize chemical calculations, mathematical formulation of chemical principles, in-depth lab experiments, and clear, logical oral and written expression. All traditional general chemistry topics such as stoichiometry, gases, bonding, kinetics, equilibrium, acids and bases, thermochemistry, and electrochemistry will be addressed. Organic chemistry and nuclear chemistry will be explored in greater depth than College Prep Chemistry. Students are encouraged to take the AP exam for possible college credit. *There is a fee associated with the AP exam. A lab notebook and a fee of $10.00 are required for this course.*

**Medical Interventions ( PTLW) ✤**
Grade: 11-12 1 credit
Prerequisite: Accelerated Chemistry or Chemistry 1, HBS (co-requisite)
Standards Addressed: Physical Science (Standard 1) and Life Science (Standard 2)

Medical Interventions (MI) allows students to investigate prevention, diagnosis, and treatment of disease as they follow the lives of a family. This course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail. Students will explore immunology, surgery, genetics, pharmacology, medical devices, diagnostic tools, and treatment of complex diseases and disorders. There is a $20 lab fee. Optional College Credit: UCCS Elective Credits (3)

**Biomedical Innovation (PLTW) ✤**
Grade: 12 1 credit
Prerequisite: Medical Interventions

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as 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 take the BACE (Biotechnician Assistant Credentialing Exam) test to earn a certification to become a Biotechnician Assistant. Content will cover topics covered in the exam as well as laboratory skills. There is a $20 lab fee.

**Botany**
Grade: 11-12 .5 credit
Prerequisite: Biology, Geology, Physical Science
Standards Addressed: Life Science (Standard 2)

Botany is designed to introduce students to the physiology and morphology of the plant world. Students will study fossil records and the geologic time scale to learn about primitive plant and plant specimens to learn about modern day plants. Students will participate in laboratory experiments and complete detailed lab write-ups.

**Zoology**
Grade: 11-12 .5 credit
Prerequisite: Biology 1, Geology, Physical Science
Standards Addressed: Life Science (Standard 2)

Zoology is designed to provide students with the knowledge and appreciation of animals and the nature of animal life as presently understood. To understand the animal world students will study microbiology, evolution, and biology. Students will study concepts in morphology, physiology, behavior, environment relationships, development, and evolutionary history. The majority of the course is dedicated to dissections, showing a comparative evolution of animals through history. A final project will be completed at the Pueblo Zoo or Raptor Center on student's own time. *Students will need to pay admission to the Zoo or Raptor Center. A lab fee of $10.00 is required for this course*

**Anatomy and Physiology ✤**
Grade: 11-12 1 Credit
Prerequisite: Biology, chemistry
Standard Addressed: Life Science

Anatomy and physiology is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. The students will be introduced to common anatomical terminology and application of each body system. Students will develop a strong conceptual understanding of the following human body systems: integumentary, skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive. This course is designed for college preparation, especially for biology and health career majors. STS credit is available for this course.

**Forensic Science**
Grade: 11-12 1 credit
Prerequisite: Biology I, Chemistry,
Standard Addressed: Physical Science, Life Science, Earth Science

This elective course teaches science related to crime, and applies many disciplines of science such as biology, mathematics, chemistry, physics, earth science… to solve crimes. Through a variety of lessons, laboratory experiences and activities, students will learn about crime scene investigation, laboratory technologies and forensic careers while strengthening skills in scientific reasoning and observation.

**AP Physics ✤**
Grade: 11-12 1 credit
Prerequisite: Algebra II or Pre-Calculus/Trigonometry
Standards Addressed: Physical Science (standard 1)

AP Physics 1 is an algebra-based, introductory college-level physics course. It would be beneficial for students that plan on majoring in science, math, computer programming or engineering. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like kinematics, forces, momentum, energy conservation, thermodynamics, sound and light waves, electric circuits, nuclear and quantum physics, and relativity.

**IB Physics 12 SL ✤**
Grade: 11-12 1 credit
Prerequisite: Pre-Calculus/Trigonometry or IB Math SL
Standards Addressed: Physical Science (standard 1)

Students that plan on majoring in science, computer programming or engineering should take a college prep physics course. This course is designed to prepare students for college level physics. Topics covered include kinematics, forces, momentum, energy conservation, thermodynamics, sound and light waves, electric circuits, nuclear and quantum physics, and relativity. Both conceptual and mathematical treatment of physics will be emphasized. Labs will be used to reinforce concepts and allow students to develop inquiry skills. Students enrolling in both years of the course are expected to sit for the IB exam at the end of the course. *The cost to take an IB exam is approximately $119 and testing fees are due by October 20th of the year the test is taken.*

Graduation Checklist: To ensure all PWHS students meet the State's Science Standards the following Classes are Required.

| | |
|---|---|
| Biology 1, Honors Biology or Principles in Biomedical Science | 9th grade |
| Principles of Physical Science, Chemistry 1 or Honors Chemistry | 10th or 11th |
| Geology (exempt if taking AP coursework) | 10th or 11th |

AP Science Class Options

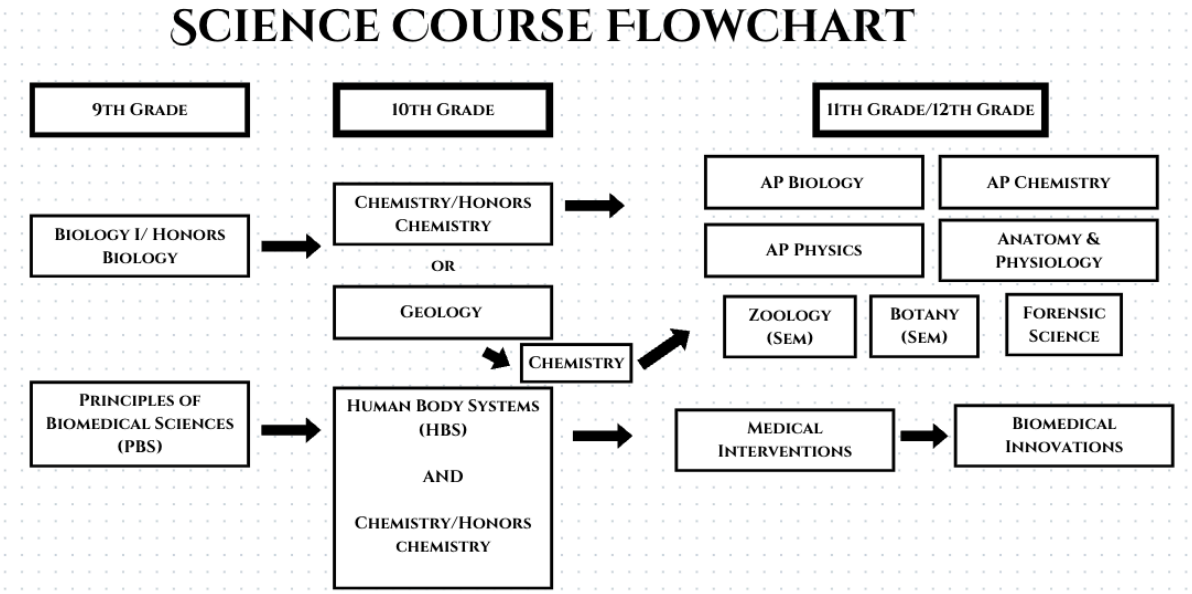
| | |
|---|---|
| AP Biology | 11th or 12th |
| AP Chemistry | 11th or 12th |
| AP Physics | 11th or 12th |

4th year Science Electives

| | |
|---|---|
| Forensic Science | 11th or 12th |
| Anatomy and Physiology | 11th of 12th |
| Botany (Semester course) | 12th |
| Zoology (Semester course) | 12th |

Project Lead the Way Pathway

| | |
|---|---|
| Princ in Biomedical Science | 9th |
| Human Body Systems | 10th |
| Medical Interventions | 11th |
| Biomedical Innovations | 12th |



## SOCIAL STUDIES COURSE OFFERINGS

In order to graduate from School District No. 70, students must satisfactorily complete 3 credits of required courses in social studies. Each course will address Colorado State Standards and enable our students to: access information through a variety of resources, familiarize themselves with different types of technology, analyze and understand a cause and effect relationship, demonstrate basic map skills as well as identify major land formations, continents and the peoples thereof, and the major waterways of the world, identify several major personalities that have helped to shape America's history, identify the role America has played in World History, be globally aware of the importance we each play in the future of the world, and demonstrate an ability to critically read, analyze, and interpret written documents.

**United States History**
Grade: 9 (required) 1 credit
Prerequisite: None
Standards Addressed: History 1-3, Geography 2, Civics 1-4, Economics 1

In this course, students will study and evaluate the economic, social, cultural, diplomatic, and political issues that have surfaced in our nation from Reconstruction to present. Emphasis will be placed on the events relating to the development of the United States through a historical lens. Past events will be studied to enable students to understand current events as a cause/effect relationship. Current events will be studied to help students understand their collective past and possibilities for the future.

**Honors United States History**
Grade: 9 1 credit
Prerequisite: Score of Proficient or Advanced in Reading and Writing with no partially proficient sub-categories is critical to success in this course as we do a great deal of reading and writing.
Standards Addressed: History 1-3, Geography 2, Civics 1-4, Economics 1

Honors United States History is a challenging course that offers students the opportunity to delve into the history of our country in a fast-paced environment. The course is in-depth in the study of 20th Century American History. Books read in this course include *Night*, *Roll of Thunder, Hear My Cry*, *A Tree Grows in Brooklyn, All Quiet on the Western Front, and Warriors Don't Cry*. The recurring themes throughout the course include cause and effect relationships, movement, technological advances, human interaction, global influences, geographical changes, and trends. Students in this course are expected to perform at an accelerated rate, to study a compact curriculum with advanced content and resources, to develop higher level thinking skills, to relate all that is covered in an interdisciplinary format. These learning opportunities will enable each student to be successful in Advanced Placement and Senior to Sophomore (STS) courses. The expectation is that students in this course will research, produce, and compete in the annual CSU-P History Day as part of their first and second semester grade. *There is a supplemental reading materials fee of $55 for this course*. Summer reading is required. Students may access the assignment at www.pwh.district70.org.

**World History**
Grade: 10 (required) 1 credit
Prerequisite: None
Standards Addressed: History 1-3, Geography 1-3, Economics 1-2

Students will study the history of the world starting with the birth of civilization, including ancient civilizations in the Nile, Indus, Yellow, Tigris and Euphrates River Valleys. Students will study the Age of Empires, Classical Greece and Rome, and Islamic civilizations. The study proceeds through European Middle Ages and Renaissance, including the Crusades, and the development of England and France as nations. Study concludes with the Absolute Monarchs of Europe and the Enlightenment through World War I.

**Honors World History**
Grade: 10 1 credit
Prerequisite: Score of Proficient or Advanced in Reading and Writing with no partially proficient sub-categories is critical to success in this course as we do a great deal of reading and writing.
Standards Addressed: History 1-3, Geography 1-3, Economics 1-2

This course emphasizes the study of the historical perspective of the development of the world from the beginnings of the Renaissance to the Modern Era. The emphasis will be on the past and current relationship between and among nations. Students in this course will participate in an accelerated pace, compact curriculum with advanced content and resources, higher level thinking skills, and self-directed learning opportunities such as projects, analysis and interpretation of primary sources, and supplemental reading such as a novel or related article. Assignments are longer and more complex in this course.

**American Government**
Grade: 11-12 (required) .5 credit
Prerequisite: U. S. History
Standards Addressed: Civics 1-3, History 1-3

American Government will survey the key elements of American government from its foundation to the present, focusing on the constitutional basis of American Democracy. Through careful study of the democratic principles found in the Declaration of Independence, Constitution, and Bill of Rights, students will understand the relationship between our democratic society and its laws. The course will focus primarily on those issues and forces that have shaped our past and continue to influence our destiny, as well as the struggles, setbacks, and victories of prevalent ideologies as people have sought to define attitudes, values, and a common American culture.

**Economics**
Grade: 11-12 (elective) .5 credit
Prerequisite: U. S. History

Economics is designed to explore economic theories such as the law of supply and demand, scarcity, and economic incentives. Students will investigate different types of economic systems found

throughout the world with an emphasis on the United States system. Additionally, students will be introduced to the aspects of international trade, government policies and how they affect an economy, money exchange and banking, and societal impact on and from an economic system. Practical uses of economics and technology will be incorporated into the curriculum. Students will also take part in personal finance literacy from which they will acquire knowledge to make sound financial decisions now and in the future.

**Criminology**
Grade: 10-12 .5 credit
Prerequisite: None
Standards Addressed: Civics 1-3

This course has been designed to develop an understanding of such concepts as justice, freedom, equality, fairness, legal institutions, legal sanctions, and due process. Components of the course include: the study of laws in our society, the study of criminal behavior, the study of the criminal justice system, and application of current technology to aid law enforcement. A variety of community resources will be utilized to enhance this course.

**Sociology**
Grade: 10-12 .5 credit
Prerequisite: None
Standards Addressed: History 1-3 Civics 1-3

Sociology is a course in human behavior that provides students the opportunity to understand the role of the individual in society and the impact of social institutions on society. The student will become an active participant in understanding the development of the course as they explore the development of societies, culture, the impact of social institutions on the individual, and the function of social order, conflict, and deviance within our society. Outside resources such as current events, case studies, and experiments will be used to enhance this course.

**Philosophy**
Grade: 10-12 .5 credit
Prerequisite: None
Standards addressed: Science 1-3, History 1-3, Critical Thinking

Why is it that the best remedy against violence is taking a philosophy course? Where do justice, truth, and wisdom come from? What is the TRUTH behind phenomena such as psychics, UFOs, mediums, astrology, the Bermuda Triangle, Loch Ness, predicting the future, and Nostradamus? Find out what the best knowledge we have says about these aspects of perception and reality. This is the most relevant, interesting, and thought-provoking course you will ever take! We study some of the best ideas from some of the best thinkers in the history of the world such as Confucius, Buddha, Jesus, Darwin, Nietzsche, Locke, Galileo, Hume, Freud, Socrates, Plato, and Aristotle to name a few. Come learn what only a small minority of society knows and appreciates—the truth! *Students who take the course will need to buy a $12.00 book that they can keep.*

**Student Government**
Grade: 9-12 1 credit
Prerequisite: Elected
Standard Addressed: Civics 1-3

Student Government (Student Council) is a leadership and service class that is also Co-Curricular, which means students will have expectations both in and outside the classroom.
Students who would like to join Student Council will have to fulfill all the requirements to run for election (i.e., class petition, teacher recommendations, 2.75 Weighted GPA, Plan of Action Essay) they will also have to be elected to the position by their peers. There are eight positions per grade level (President, Vice President, Secretary, Treasurer, and four Representatives). Depending on grade and position, there might be other requirements to hold those positions. Those requirements can be found in the Student Council Constitution. Anyone running for Student Body Officer will have other requirements as well, but they also must have been in Student Council in a previous year.
Once elected, the course includes such topics as government, authority of the constitution, parliamentary procedure, collective responsibility, community/school obligations, work ethic, communication, leadership, problem solving, and conflict resolution. Students who are elected to office carry a large amount of responsibility and are expected to make time commitments outside of school hours. At the beginning of each school year, students participate in the amendment and approval of the Student Council Constitution. Then, each student signs the constitution as a symbol of his or her commitment to uphold that constitution throughout the year. This is a yearlong course. *(Not NCAA approved - elective course)*

**AP U. S. History ✤**
Grade: 11-12 1 credit
Prerequisite: U. S. History and World History
Standards Addressed: History 1-3, Civics 1-4

Advanced Placement History 1492-present, is a course designed to enable students to approach their study of history from an analytical approach. Students will learn to assess historical materials: the reliability and importance of those documents, to weigh the evidence presented in both primary and secondary sources, and to interpret historical documents through written analysis, classroom discussion and debate, Socratic seminars, and mock trials. Students will be presented with an in-depth study of American history from the time of the colonial period through recent events in the development of our country. Students enrolled in this course can take the A.P. Exam, or a comprehensive final. This course is offered for concurrent enrollment credit through CSU-P for History 201 and History 202 (6 college credits). *There is a fee of $99.00 dollars if students take the AP exam.*

**AP United States Government and Politics ✤**

Grade: 10-12 1 credit
Prerequisite: U.S. History Standards Addressed: Civics 1-3, History 1-3, Economics 1-7

Advanced Placement United States Government and Politics will investigate the foundation of the United States government including the Constitution, Bill of Rights, and other primary sources while exploring political beliefs and behaviors over time. Emphasis will be placed on the development of political parties including interest groups, the impact of the media, the development and purpose of political institutions, the effect of federalism, and finally, the study of civil rights and civil liberties. Finally, students in this course are expected to interpret data relevant to the U.S. government, critically analyze relevant theories and concepts, and explain or justify various government structures and procedures all in preparation for the Advancement Placement Exam. *There is also a fee of $96.00 dollars required to take the AP exam. In addition, students can take the course for concurrent enrollment and receive college credit upon successful completion of the course.*

**IB History 12 HL ✤**

Grade: 11-12 1 credit for each year completed up to 2 credits
Prerequisite: Accelerated U.S. History and Accelerated World History
Standards Addressed: History 1-3, Civics 1-4

IB History is a two-year course. One year of study focuses on 20th Century World History, including two case studies focused on rights and protest 1948-1965 in South Africa and the United States. Our main course of study will include 20th Century History including Civil Rights and Social Movements in the Americas, The Great Depression, and the Americas 1929-39, into the 21st century-from 1980s to 2005. Students will also cover, from a world perspective, the Russian Revolution, World War I, the Chinese Revolution, the Spanish Civil War, and the Cold War to name a few. Over the course of four semesters, students work to incorporate regional, national, and global perspectives using supplementary texts, primary sources, case studies, current events, field trips, etc. to develop a clearer understanding of the history of the Americas. Students enrolling in this course have the option of taking the course for college credit, which requires sitting for the IB exam. *The cost to take an IB exam is approximately $119. Students may take the course for weighted credit only and not incur the cost of testing. IB testing fees are due by October 20th of the second year.*

**IB Philosophy SL ✤**

Grade: 11-12 1 credit for year completed
Prerequisite: Accelerated U.S. History and Accelerated World History
Standards Addressed: Science 1-3, History 1-3, Critical Thinking

Do you want to take an interesting and stimulating course? Do you feel that there is more to life and education than you are currently experiencing? Do you value truth? Do you really want to know what some of the most brilliant and educated people have said about life, love, truth, wisdom, religion, science, and success? Do we have the course for you! This philosophy course provides an opportunity for students to intellectually interact with some of the world's most brilliant and influential thinkers in history who have shaped our world. It allows students to develop necessary

critical thinking skills to formulate sound arguments and make well-reasoned judgments about complex and diverse issues. Students will be engaged in philosophical activity and "do" philosophy. The focus will be to encourage intellectual curiosity and allow them to examine their own perspectives and those of others. Students will be challenged to develop their own philosophy of life and find their own voice as an independent thinker. They will develop skills related to thinking through the study of philosophical themes and the close reading of philosophical and amazing writing. They will explore how non-philosophical material can be treated in a philosophical way. They will explicitly learn thinking and research skills such as comprehension, idea analysis, and the use of primary sources. "The unexamined life is not worth living" Socrates. You will love this course! Students have the option of taking this course for college credit which requires sitting for the IB exam. Students may also choose to take this exam for the weighted credit only and incur no testing fee. *The cost to take an IB exam is approximately $119. IB testing fees are due by October 20th of the testing year.*

**IB Theory of Knowledge ✤**
Grade: 12 .5 credit per semester
Standards Addressed: History 1-3

This course is open to all students regardless of involvement in the IB program. TOK is a 2-semester course (last semester of junior year and first semester of senior year) that encourages critical thinking and knowledge of thinking itself. A TOK course asks students to critically examine themselves, their culture, and their biases to gain a better understanding of objective means of knowing. Its core content consists of questions like these: What counts as knowledge? How is knowledge different from beliefs or feelings? How do you know what you know? How can you prove what you know? What are objective standards for critical reasoning? How do culture, education, geographic location, age, open-mindedness, and critical thinking affect a person's beliefs? The goals of this course are to gain understanding of knowledge issues and what it means to know something as a scientist, an artist, a historian, a mathematician, a philosopher, etc. The lessons and exercises in this course will be geared toward the students having success on their TOK essay and the TOK exhibition. This will be an intellectually thrilling and novel experience which will allow the student to question everything and arrive at their own well-formulated understanding backed up with logical, objective, and universal intellectual standards. For anyone who wants insight into their own mind and their own perspective as seen through others' eyes, this course will be an epiphany. This course is required for the full diploma candidate; however, coursework students may register to earn an official IB certificate for the course. *The registration fee for the certificate is $46 due by October 20th of the second semester of the course.*

**Advanced Modern World History ✤** 
Grade: 12 1 credit
Prerequisite: US History and World History
Standards Addressed: History 1-3 Geography 1-3 Economics 1-3 Civics 1-3

Why is the world the way it is today? Advanced World Studies will take current events and trace them back in history to help better understand what is happening in places like Russia, China, North

Korea, Cuba, Africa, and the Middle East. This course will emphasize historical events and people of the 19th and 20th century to help students understand the political, social, geographic, and economic forces shaping the world today. Areas of emphasis will include causes and effects of: Napoleonic Europe, The Rise of Communism, The Opium Wars, Colonialism and The Scramble for Africa, Realpolitik and Weltpolitik, The Boxer Rebellion, The end of Imperial China, WWI, The Russian Revolution and the end of Imperial Russia, Stalinism, The World during the Great Depression, WWII, The Cold War, The Chinese Communist Revolution, The Chinese Cultural Revolution, The Modern Chinese Communist State, The Creation of the State of Israel, The Six Day War, Conflict in the Middle East, The Cuban Missile Crisis, Vietnam, South Africa, The Iranian Revolution, The Iran/Iraq War, The Gulf War, September 11th, The wars in Iraq and Afghanistan, The current situation between Russia and Ukraine, Cuba, The Arab Spring, Al Qaeda and ISIS. This course is offered for Concurrent Enrollment credit through CSU-P for History 111 and Political Science 202. *There is a supplemental materials fee of $60.00 for this course.*

**Advanced Speech & Debate ✤**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed:

This course will be offered with a lens on research, debate, mock trial, mock congress, mock legislature, performance, and current events. It will be hands-on, engaging preparation for college and life, building skills in research, writing, rhetoric, debate, critical thinking, and oral presentation. Students will participate in nationally recognized programs such as Speech and Debate, Mock Trial, Youth in Government, and National History Day.

| Freshmen | Sophomore | Junior | Senior |
|---|---|---|---|
| Requirement: Pick <u>One</u><br>· US History<br>· Honors US History<br><br>Electives:<br>Student Council* | Requirement: Pick <u>One</u><br>· World History<br>· Honors World History<br><br>Electives:<br>· Criminology<br>· Sociology<br>· Psychology<br>· Philosophy<br>· Student Council* | Requirement: Pick <u>One</u><br>· American Government<br>· AP Government and Politics<br><br>Electives:<br>· Criminology<br>· Sociology<br>· Philosophy<br>· Student Council*<br><br><u>AP</u><br>· AP US History<br>· AP US Government and Politics<br><br><u>IB</u><br>· IB Theory of Knowledge<br>· IB Psychology (HL or SL)<br>· IB History (HL)<br>· IB Philosophy (SL)<br>· IB Environmental Systems and Societies (SL)<br><br><u>Concurrent Enrollment</u><br>· Advanced Modern World<br>· AP US History<br>· AP Government and Politics | No Requirement:<br><br>Electives:<br>· Criminology<br>· Sociology<br>· Psychology<br>· Philosophy<br>· Student Council*<br><br><u>AP</u><br>· AP US History<br>· AP US Government and Politics<br>· AP Human Geography<br><br><u>IB</u><br>· IB Theory of Knowledge<br>· IB Psychology (SL)<br>· IB Philosophy (SL)<br>· IB Environmental Systems and Societies (SL)<br><br><u>Concurrent Enrollment</u><br>· Advanced Modern World<br>· AP US History<br>· AP Government and Politics |

## WORLD LANGUAGE COURSE OFFERINGS

Knowledge of cultures, people, and languages is recognized as a critically valuable and lifelong asset in today's world. Each day the United States becomes more involved in global marketing, business and tourism. Studying a world language becomes a high priority for all students as we begin the twenty-first century. The World Language Department emphasizes Colorado State World Language standards for students studying a language: The study of world languages encourages students to use their minds, expand career possibilities, increase their mastery of English, prepare for college, and easily acquire other world languages. Students entering most universities will be required to have one to three years of the same world language. All freshmen and sophomores will be required to take a world language. All world language courses at Pueblo West High School are year-long courses.

Expectations in a World Language Course at Pueblo West High School include the Colorado Academic Standards for World Languages as listed below. All activities in the world language classroom will revolve around these standards.

Colorado State World Language Standards:

1. Communication in Languages Other than English
2. Knowledge and Understanding of Other Cultures
3. Connections with Other Disciplines and Information Acquisition
4. Comparisons to Develop Insight into the Nature of Language and Culture

**Spanish 1**
Grade: 9-12 1 Credit
Prerequisite: None
Standards Addressed: Colorado World Language Standards 1-4

This course is an introduction to Spanish as it is spoken and written worldwide. Students learn to speak and understand Spanish through lecture, dialogues, oral and written work, as well as video presentations by native speakers. Lessons are built around a cultural theme such as university life, sports, leisure activities, food, family, etc. A typical lesson is divided into the following sections: pronunciation drills, vocabulary expansion, supplemental reading, paragraph writing, and grammar usage. Students are also introduced to Hispanic culture, history, and customs. Material is presented through various forms of media.

**Spanish 2**
Grade: 10-12 1 Credit
Prerequisite: Successful completion of Spanish 1
Standards Addressed: Colorado World Language Standards 1-4

This second-year course is a continuation and expansion of Spanish 1 in the areas of speaking, writing, listening, and reading skills as well as discussion and comparison of cultural concepts. Students will be expected to perform at a higher level in all areas of language learning and cultural studies. Material is presented through various forms of media.

**Honors Spanish 3 ✤**
Grade: 11-12 1 Credit
Prerequisite: Successful completion of Spanish 1 & 2
Standards Addressed: Colorado World Language Standards 1-4

This junior and senior year course is at an accelerated pace in the areas of speaking, writing, listening, and reading skills as well as explorations in culture and history. Students will be expected to communicate primarily in the target language during the teaching of this course. Units covered during the course include topics related to Social Organization, Experiences, Customs, Beliefs, Global Cultures & Identities, Human Ingenuity, Entertainment and Technology.

This course is also offered as **Concurrent Enrollment** allowing students to receive **5 credits** through Pueblo Community College for SPA 1011. At $25 per credit, the cost is $125.

**IB Spanish Ab Initio 12 SL ✤**
Grade: 11-12 1 Credit
Prerequisite: Successful completion of IB Spanish Ab Initio 11
Standards Addressed: Colorado World Language Standards 1-4

This junior and senior year course is at an accelerated pace in the areas of speaking, writing, listening, and reading skills as well as explorations in culture and history. Students will be expected to communicate primarily in the target language during the teaching of this course. Students will also be exposed to the writing of different text types, as well as supplemental reading requiring interpretation and analysis. Units covered during the course include topics related to Social Organization, Experiences, Customs, Beliefs, Global Cultures & Identities, Human Ingenuity, Entertainment and Technology.

Students who choose to, may complete the IB assessment consisting of separate exams in speaking, writing, listening, and reading comprehension. The IB Spanish assessment is required by the International Baccalaureate Organization for Full IB Diploma candidates and those students seeking college credits through IB. All IB assessments will be given at the end of the course. *The cost to take one IB exam is approximately $119. Subsequent IB exams are $119. Exam fees are due by the beginning of November. Testing fees are NON-REFUNDABLE.*

This course is also offered as **Concurrent Enrollment** allowing students to receive **5 credits** through Pueblo Community College for SPA 1012 - At $25 per credit, the cost is $125.

**French 1**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed: Colorado World Language Standards 1-4

This course is an introduction to French as it is spoken and written worldwide. Students learn to speak and understand French through lecture, dialogues, oral and written work, as well as video

presentations by native speakers. The first two weeks involve intensive group practice and building resources. After that, lessons are often built around a cultural theme such as school, sports, leisure activities, family, and food. A typical lesson is divided into the following sections: pronunciation drills, vocabulary expansion and grammar practice. Students are introduced to global French culture, history, and customs. Material is presented through various media and students will have classroom materials on their laptops as well as be expected to keep and maintain a portfolio notebook for resources and as a cumulative
work record.

**French 2**
Grade: 10-12 1 credit
Prerequisite: Successful completion of French 1
Standards Addressed: Colorado World Language Standards 1-4

This second-year course is a continuation and expansion of French 1 in areas of speaking, writing, listening, and reading skills as well as cultural concepts. Students will be expected to perform at a higher level in all areas of language learning and cultural studies. Students are encouraged to speak in French during class. Students will have classroom materials on their laptops as well as be expected to keep and maintain a portfolio notebook and a composition book for cultural research.

**French 3 ✤**
Grade: 11-12 1 Credit
Prerequisite: Successful completion of French 1 & 2
Standards Addressed: Colorado World Language Standards 1-4
This junior and senior year course is at an accelerated pace in the areas of speaking, writing, listening, and reading skills as well as culture, history, and customs. Students will be expected to communicate primarily in the target language during the teaching of this course. Students will be required to have and maintain both a portfolio notebook and a cultural composition book journal for the full course. Topics covered include global concerns, human interactions, global cultures & identities, human ingenuity, media & technology, food, clothing, and tourism.

**French 4 ✤**
Grade: 11-12 1 Credit
Prerequisite: Successful completion of French 3
Standards Addressed: Colorado World Language Standards 1-4

This junior and senior year course is at an accelerated pace in the areas of speaking, writing, listening, and reading skills as well as culture, history, and customs. Students will be expected to communicate primarily in the target language during the teaching of this course. Students will be required to have and maintain both a portfolio notebook and a cultural composition book journal for each year of the course. Topics covered include global concerns, human interactions, global cultures & identities, human ingenuity, media & technology, food, clothing, and tourism.




**Coding, Robotics, E-Commerce, Academy of Technology and Entrepreneurship**

CREATE is a specialized Pueblo West High School academy that offers high-level industry specific technology, business and engineering curriculum. The academy offers PWHS students a guided path to college and/or career through hands-on experiences, college preparatory-level classes, simulations and creative lab learning. The goal of CREATE is to produce graduates that are in great demand and are known for their program-solving ability, work ethic, and teamwork focused learning.

**Coding Pathway**

The Coding Pathway includes coursework intended to teach students the basics of computer programming. Students practice standard programming techniques and learn the logic tools and methods typically used by programmers to create simple computer applications. Students learn to solve problems by planning multi-step procedures; write, analyze, review, and revise programs, convert detailed information from workflow charts and diagrams into coded instructions in a computer language; and will be able to troubleshoot/debug programs and software applications to correct malfunctions and ensure their proper execution. Students work through numerous short- and long-term programming projects, accomplished both individually and in small groups. Through these projects, proficient students will demonstrate an understanding of high-level languages such as Python, Java, Javascript, C, C#, C++. Students will also have the opportunity to earn college credit and industry certificates.

| | |
|---|---|
| **9th Grade**<br>English- English 1/Honors<br>Math-Algebra 1 or higher<br>Science-Biology/Honors<br>Social Studies-US History/Honors<br>**Elective-Computer Science Essentials**<br>Elective<br>Elective | **11th Grade**<br>English-Choice<br>Math-Algebra 2/Technical Math and Probability/Stats or higher recommended<br>Science-Choice<br>Social Studies-Choice<br>**Elective-AP Computer Science A**<br>Elective<br>Elective |
| **10th Grade**<br>English-English 2/Honors<br>Math-Geometry or higher)<br>Science-Chemistry/Honors recommended<br>Social Studies-World History/Honors or AP<br>**Elective-Coding 1 A/Coding II A**<br>Elective<br>Elective | **12th Grade**<br>English-Choice<br>Math-Choice<br>Stats and Probability/Technical Math/AP Statistics/College Algebra/Pre-Calc/AP Calc A/IB Math recommended<br>Science-Choice<br>Social Studies-Choice<br>**Elective-WBL: Coding/Capstone**<br>Elective<br>Elective |

**Coding Pathway Courses:**
Computer Science Essentials
Coding I
Coding II
AP Computer Science A
Work Based Learning: Coding or Capstone

## Coding Pathway Course Descriptions

**Computer Science Foundations A**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Technology 1-6

This course is designed to give learners a foundation in technological concepts and processes that are the cornerstone for high school technology programs. Learners will work on information gathering, history, etiquette, ethics, internet tools used in the classroom and professionally. Group/individual projects will engage learners in creating ideas, developing innovations and engineering practical solutions.

**Coding I A (MYP)**
Grade: 10-12 .5 Credit
Prerequisite: None
Standards Addressed: Technology 1-6

Introduction to Programming / Video Game Design - Students will learn computer science and programming concepts/syntax through the creation of video game projects using the Game Maker and Unity 3DUtilizing 3D models with effects, textures, cameras, input handling, basic effects, basic collision detection and sounds students will create professional integrated development environments. No prior programming experience is required. *A course fee of $10.00 is required.*

**Coding II A (MYP)**
Grade: 10-12 .5 credit
Prerequisite: Coding I A
Standards Addressed: Technology 1-6

This class is a continuation of Coding I A programming with Python. Students will learn more advanced concepts including functions, arrays, and internet/web programming using HTML. This class continues the curriculum provided by Amazon called Amazon Future Engineer (AFE).
*A course fee of $10.00 is required.*

**AP Computer Science A (A)** ✤

**AP Computer Science B (B)** ✤

Grade 11-12 1 credit
Prerequisite: Algebra 1
Standards: Technology 1-6, Computer Science 1-3

AP Computer Science A (A/B) is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. **There is an additional fee for the AP exam.**

**WBL: Coding**
Grade: 12 1 credit
Prerequisite: Coding I, Coding II, AP Computer Science A A/B
Standards Addressed: Technology 1-6

Work-Based Learning Programs (WBL) is a continuum of awareness, exploration, preparation, and training activities, including developing employability and technical skills that support success in careers, military, and postsecondary education. Structured learning and authentic work experiences are implemented through an education and industry partnership. Students have the opportunity to connect what they learn in school with worksite application, enabling a smooth transition into the workforce and/or education beyond high school. Work-Based Learning activities culminate in an assessment and recognition of acquired knowledge and skills. Some examples of the different types of Work-Based learning experiences include job shadowing, externships, internships, apprenticeships and on-the-job training.

**Coding Capstone**
Grade: 12 1 credit
Prerequisite: Coding I, Coding II, AP Computer Science A A/B
Standards Addressed: Technology 1-6

This course allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study to allow for specialized study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student.

**Engineering Pathway**
The world of engineering varies from civil, chemical, mechanical, electrical, and industrial. In the engineering pathway, students learn to create, design, and construct through hands-on experiences using science and technology. The engineering pathway prepares students for a career in a wide-range of engineering-related fields, while building academic skills. Students also have the opportunity to earn college credit and industry certificates.

| **9th Grade** | **11th Grade** |
|---|---|
| English- English 1/Honors | English-Choice |

| | |
|---|---|
| Math-Algebra 1 or higher<br>Science-Biology/Honors<br>Social Studies-US History/Honors<br>**Elective-Principles of Engineering and Technology A/B**<br>Elective<br>Elective | Math-Algebra 2 or higher<br>Science-Choice-Physics recommended<br>Social Studies-Choice-<br>**Elective-AP Computer Science A**<br>Elective<br>Elective |
| **10th Grade**<br>English-English 2/Honors<br>Math-Geometry or higher)<br>Science-Chemistry/Honors recommended<br>Social Studies-World History/Honors or AP<br>**Elective-Coding 1/Robotics**<br>Elective<br>Elective | **12th Grade**<br>English-Choice<br>Math-Choice<br>Pre-Calc/AP Calc A/IB Math recommended<br>Science-Choice-Physics recommended<br>Social Studies-Choice<br>**Elective-WBL: Engineering/Capstone**<br>Elective<br>Elective |

**Engineering Pathway Courses:**
Intro to Engineering and Technology
Principles of Engineering
AP Computer Science A
Work Based Learning: Engineering or Capstone

## Engineering Pathway Course Descriptions

**Intro to Engineering Design**
Grade: 9-12 1 credit
Standards Addressed: Mathematics 1-6, Technology 1-6

Engineers make a world of difference! Through both individual and collaborative team activities, projects, and problems, students apply systems thinking and consider various aspects of engineering design including material selection, human-centered design, manufacturability, assemblability and sustainability. Students develop skills in technical representation and documentation especially through 3D computer modeling using a Computer Aided Design (CAD) application. As part of the design process, students produce precise 3D-printed engineering prototypes using an additive manufacturing process. Student-developed testing protocols drive decision-making and iterative design improvements.

**Principles of Engineering & Technology A (MYP)**
Grade: 10-12 1 credit
Prerequisite: Geometry
Standards Addressed: Mathematics 1-6, Technology 1-6

Ever tried to design something new or draw up an idea you wanted to share with your friends and wondered how you could communicate your idea? Have you ever wondered how someone designed that sleek new MP3 player for a sleek new phone? Do you like building things and would like to design and build a catapult? If so, then this course is for you! This course will introduce students to the engineering profession and creative engineering problem solving through design projects, presentations, and activities. This course will familiarize students with the various engineering

disciplines and provide a historical perspective on the engineering design process and its impact on contemporary society. Students will engage in many hands-on activities that will help them to think like an engineer. *A fee of $10 is required for this course*.

**AP Computer Science A (A)** ✤ 

**AP Computer Science A (B)** ✤ 

Grade 11-12 1 credit

AP Computer Science A (A/B) is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. **There is an additional fee for the AP exam.**

**WBL: Engineering & Technology**

Grade: 12 1 credit

Prerequisite: Principles of Engineering, Coding, Robotics, AP Computer Science A (A/B)

Standards Addressed: Technology 1-6

Work-Based Learning Programs (WBL) is a continuum of awareness, exploration, preparation, and training activities, including developing employability and technical skills that support success in careers, military, and postsecondary education. Structured learning and authentic work experiences are implemented through an education and industry partnership. Students have the opportunity to connect what they learn in school with worksite application, enabling a smooth transition into the workforce and/or education beyond high school. Work-Based Learning activities culminate in an assessment and recognition of acquired knowledge and skills. Some examples of the different types of Work-Based learning experiences include job shadowing, externships, internships, apprenticeships and on-the-job training

**Business, Marketing, Entrepreneurship, Finance**

Students in the Business and Marketing pathways will learn skills to start their own business or work in the fields of marketing, business, finance, entrepreneurship, sports and entertainment, travel and tourism, accounting, e-commerce, or any other business related field. Students have the opportunity to come up with their own idea for starting a business and discuss the feasibility of making it work. They will look at the idea from start to finish including, production, distribution, marketing, retail, e-commerce, app development, profitability, etc. Students will complete a capstone project that will encompass all the skills learned throughout the four years of the academy. Internships with different companies will be made available to interested students. Upon completion of courses in these pathways, students will be prepared to possibly start their own business and/or pursue an advanced degree in a related field. Students can earn college credits and credit for working. They can also compete in Distributive Education Clubs of America (DECA) and Future Business Leaders of America (FBLA).




**Green: semester courses, Blue: year long; black box: linked courses (sign up for 1 you will be connected to the other)**

## Business Pathway Course Descriptions

**Intro to Business**
Grade: 9th .5 Credit
Prerequisites: None
Standards Addressed: Colorado and National Marketing Standards
CTSO (Clubs): DECA and FBLA (optional)

This is a freshman course that introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

**Principles of Marketing (Marketing 1) (DECA) taken with Accounting Principles 1**
Grade: 10-12 .5 credit
Prerequisites: None
Standards Addressed: Colorado and National Marketing Standards
Linked: **Accounting 1**
CTSO (Clubs): DECA and FBLA

This course is designed to offer business and marketing skills for entry-level employment and puts major emphasis upon performance-based curriculum. Items for discussion and exploration in this course are job seeking skills (applications, resumes, letters of application), cash register operation, economics and free enterprise, introduction to marketing and business, sports and entertainment industry, marketing mathematics, introduction to the sale process, as well as a project tied to entrepreneurship through creating of a restaurant that incorporates all elements for a start-up business.

**Accounting Principles 1 (MYP) taken with Principles of Marketing**
**Grade:** 10-12 .5 credit
**Prerequisite:** None
**Standards Addressed:** Mathematics 3, 6
**Linked:** Principles of Marketing
**CTSO (Clubs):** DECA and FBLA
**Fee:** $10

This course introduces accounting principles for understanding the theory and logic that underlie procedures and practices for business organizations. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, and plant and intangible asset accounting. Many exercises are completed on the computer using Cengage software and QuickBooks. **This course is offered for Concurrent Enrollment credit through PCC for Accounting 1021 for an additional cost.**

**Accounting Principles 2**
**Grade:** 10-12 .5 credit
**Prerequisite:**Accounting Principles
**Standards Addressed:** Mathematics 3, 6
**Linked:** Principles of Marketing
**CTSO (Clubs):** DECA and FBLA
**Fee:** $10

This course continues the application of accounting principles to business organizations. Major topics include corporate equity and debt financing, investments, cash flow statements, financial analysis, budgeting, cost and managerial accounting. Many exercises are completed on the computer using Cengage software and QuickBooks. **This course is offered for Concurrent Enrollment credit through PCC for Accounting 1021 for an additional cost.** *A fee of $10 is required for this course.*

**College Accounting**
**Strategic Marketing (Marketing 2) (DECA)**

Grade: 11-12 1 credit
Prerequisites: Principles of marketing and Accounting 1
Standards Addressed: Colorado and National Marketing Standards
CTSO (Clubs): DECA and FBLA

This course will explore career opportunities and related marketing skills in the following occupational areas: professional sales, store security, marketing math, merchandising, finance and credit, advertising and promotion, visual production transportation and logistics industry, economics, school store operation, and marketing related shadow days (See On-the-Job Training below). They will complete projects centered on merchandising displays, purchasing, product development, and marketing research. This program runs in conjunction with DECA (Distributive Education Clubs of America). The students are also required to compete in the DECA district conference and participate in marketing sales projects to help defray the cost of District, State, and National conferences. This may mean staying after school a few times a year. This course will be year-long. *It is required that each student be an active member of the DECA club and pay annual dues of $45.00.*

**School Based Enterprise-Retail**
Grade: 11 or 12 .5 credit
Prerequisites: Accounting 1, Marketing 1 and 2 or be elected as a DECA officer
Standards Addressed: Colorado and National Marketing Standards
Linked: Leadership
CTSO (Clubs): DECA and FBLA

This course is an entrepreneurial operation in a school setting that provides goods/services to meet the needs of a market. Students will learn hands-on retail procedures including customer service, advertising,sales, merchandising and math. They will be responsible for running the DECA store and business opportunities within the School. They will participate in Shark tank, advertising and selling activities.

**Leadership**
Grade: 11-12 . 5 credit
Prerequisites: Principles of Marketing, Accounting 1, Strategic Marketing or be elected through an interview process for a DECA officer position.
Standards Addressed: Colorado and National Marketing Standards
Linked: School Based Enterprise-Retail
CTSO (Clubs): DECA and FBLA

Marketing Leadership is a semester course that consists of second- and third-year marketing students. Focuses on the leadership skills for contemporary organizations. Covers development and communication a shared vision to motivate and empower employees to manage conflict, to negotiate, and to develop teams. Responsibilities including organizing any DECA related activities and community events, including the MORP Dance, Relay for Life, and the Annual Fashion Show. Officers will also be utilizing marketing concepts and terminology that they have learned over the previous and current years and apply it towards a Research Manual that will be presented at the

Colorado State DECA competition in Colorado Springs in February. *It is required that each student be an active member of DECA and pay annual dues of $45.00.*

**Entrepreneurship**
Grade: 11-12 .5 credit
Prerequisites:Principles of Marketing and Accounting 1
CTSO (Clubs): DECA and FBLA

This course helps student's gain an understanding of the business/marketing principles necessary to start and operate a business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will explore the traits and characteristics of successful entrepreneurs. Students gain an awareness of knowledge needed in research, planning, operations, and regulations affecting small businesses. They will learn strategies of business management and marketing and the economic role of the entrepreneur in the market system. Students will complete a business plan using their own small business concept.

**Personal Finance (MYP)**
Grade: 12 .5 credit
Prerequisite: Algebra 1
Standards Addressed: Mathematics 1, 2, 3, 4 (Math or Tech credit)

Money management skills are important for everyone regardless of career choice. This course equips students with a financial foundation from personal goal setting, budgeting, comparison shopping, renting, or buying a home paying bills and understanding credit to comparing loan terms, college costs, filing income taxes, insurance and investing to build wealth. Guided practice through realistic simulations and activities will build confidence in students to make smarter money decisions and have a more secure financial future.

**IB Business Management 12 HL/SL ✤**
Grade: 11-12 1 credit for each year completed up to 2 credits
Standards Addressed: Economics 1-3, Business

The IB Business Management course will be a rigorous and critical study of the ways in which individuals and groups interact in a dynamic business environment. It will examine how business decisions are made and how these decisions make an impact on internal and external environments. It will consider a diverse range of business organizations, activities, and the impact on the business and how it operates. Students will learn about the ideals of international cooperation and the path to responsible citizenship. After completing the course, students will be able to make business decisions by identifying the issue, selecting, and interpreting data, applying appropriate tools and techniques, and recommending suitable solutions. They will be able to think independently, critically and use their current knowledge to decide if current business practices are effective. Topics will include business organizations and environment, human resources, accounting, finance, marketing, operations management, business strategy, international business, and economics. Students have the option of taking the course for college credit by sitting for the IB exam in May. Students may also choose to

take the course at no cost and earn only the weighted grade. *The cost to take one IB exam is approximately $119. Additional IB exams are $119. All IB exam fees are due on October 1st of the year of testing. SL (Standard level) students pay in year 1 of the course. HL (Higher level) students pay in year 2 of the course.*

**WBL: Marketing**
Grade: 12 1 credit
Prerequisite: Marketing 1 and 2 (or currently enrolled in marketing leadership, 2, or 3 )
Standards Addressed: National and Colorado Marketing and Business Management standards

Work-based learning gives students who currently have a job, and work a minimum of 76 hours per semester to earn elective/business credit, while showing potential universities and employers their ability to manage school and work effectively. Some work-based opportunities may be provided through the marketing and business programs as well for students who have open hours in their school schedules.

**Design and Multimedia Arts Pathway**

Multimedia designers create engaging presentations of images and information for various media including the Web, television, movies, and video games. Though they work in a high-technology field, multimedia designers generally need a strong foundation in art to be successful. Drawing, photography, composition, and other traditional ways of developing skill in image-making can provide an important training for animation, motion graphics, or 3D design.
Tools used for multimedia development can vary widely by industry, but students will gain knowledge and skills in Adobe Photoshop with the opportunity to become industry certified.

| | |
|---|---|
| **9th Grade**<br>English- English 1/Honors<br>Math-Algebra 1 or higher<br>Science-Biology/Honors<br>Social Studies-US History/Honors<br>**Elective-Foundations of Design, Multimedia Arts, & Digital Communications**<br>Elective<br>Elective | **11th Grade**<br>English-Choice<br>Math-Algebra 2/Technical Math and Probability/Stats or higher recommended<br>Science-Choice<br>Social Studies-Choice<br>**Elective-Digital Media A/Adobe Photoshop**<br>Elective<br>Elective |
| **10th Grade**<br>English-English 2/Honors<br>Math-Geometry or higher)<br>Science-Chemistry/Honors recommended<br>Social Studies-World History/Honors or AP<br>**Elective- Commercial Photography A/B**<br>Elective<br>Elective | **12th Grade**<br>English-Choice<br>Math-Choice<br>Science-Choice<br>Social Studies-Choice<br>**Elective-WBL: Design and Multimedia Arts/Capstone**<br>Elective<br>Elective |

**Digital Media Pathway Courses:**

Foundations of Design, Multimedia Arts, & Digital Communications (A/B)
Commercial Photography
Digital Media A/B
Adobe Photoshop
WBL: Design and Multimedia Arts/Capstone

## Digital Media Pathway Course Descriptions

**Foundations of Design, Multimedia Arts, & Digital Communications A**
**Foundations of Design, Multimedia Arts, & Digital Communications B**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed: Reading, Writing, and Communicating 1-4

Students will learn the basic skills in digital communication and production and design concepts. Students are introduced to a variety of programs, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. They will develop workplace skills of applying for and completing work assignments as well as being peer evaluated. Students will become part of the *CyChron* (Pueblo West High's Student Media organization) which will provide a context for them to practice and display their skills. Students will be encouraged to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Aspects of the course will be self-selected in order for them to individualize their experience. Course may require time outside of the scheduled school day. *Class fee of $25.*

**Commercial Photography I/II A**
**Commercial Photography I/II B**
Grade: 10-12 .5 credit each for a total of 1 credit
Prerequisites: Foundations of Design
Standards Addressed: Reading, Writing, and Communicating 1-4 and Commercial Photography SLO 1-6

This photography course focuses on studio-based photography. Students will learn basic DSLR camera operations, framing and the art of styling and lighting for professional photo shoots. They will learn basic post edit skills in Photoshop. Students will study both the technical and artistic aspects of photography, developing a vocabulary and a framework to discuss imagery. They will have the opportunity to work with a variety of school projects and activities. Projects will also include various print advertisements and studio work. Students will be encouraged to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Students will learn about careers in related to commercial photography. *Class fee of $25.*

**Adobe Photoshop**

Grade: 10-12 1 credit
Prerequisites: Commercial Photography
Standards Addressed: Reading, Writing, and Communicating 1-4

This course concentrates on the high-end capabilities of Adobe Photoshop as an illustration, design, and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics, and videos. The course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Communication Using Adobe Photoshop. Students will have the opportunity to earn an industry certification. This course may be taken as a standalone course. *Class fee of $10.*

**WBL: Design and Multimedia Arts**
Grade: 12 1 credit
Prerequisites: Foundation and Design, Commercial Photography I A/B, Adobe/Digital Media A,
Standards Addressed: Reading, Writing, and Communicating 1-4

This course requires instructor approval and is intended for those who have completed 3 years in the Digital & multimedia pathway who desire additional opportunities to strengthen their skills and knowledge in order to prepare for potential post-secondary academic training or employment. Students will be important leaders in the *CyChron* (Pueblo West High's Student Media organization) which will provide a context for them to practice and display their skills. Students will also be required to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Students will be given the opportunity to work with organizations outside the classroom in order to practice employing their skills for a customer. Students will be given the opportunity to work with organizations outside the classroom in order to practice employing their skills for a customer. *Class fee of $35 includes Skills USA Membership Dues.*

**Digital Media and Communications Pathway**
A program that provides a variety of experiences in the field of journalism. Students will work with digital and print media, edit video, produce newscasts and live events. They will have the opportunity to engage in student-led productions and will learn workplace skills such as professionalism, problem-solving, giving and receiving feedback, and teamwork.

| **9th Grade** | **11th Grade** |
|---|---|
| English- English 1/Honors | English-Choice |
| Math-Algebra 1 or higher | Math-Algebra 2/Technical Math and Probability/Stats or higher recommended |
| Science-Biology/Honors | Science-Choice |
| Social Studies-US History/Honors | Social Studies-Choice |
| **Elective-Foundations of Design, Multimedia Arts, & Digital Communications** | **Elective-Audio/Video Production II** |
| Elective | Elective |
| Elective | Elective |
| **10th Grade** | **12th Grade** |

| | |
|---|---|
| English-English 2/Honors<br>Math-Geometry or higher)<br>Science-Chemistry/Honors recommended<br>Social Studies-World History/Honors or AP<br>**Elective-Audio/Video Production I**<br>Elective<br>Elective | English-Choice<br>Math-Choice<br>Science-Choice<br>Social Studies-Choice<br>**Elective-WBL: Digital Media and Communications**<br>Elective<br>Elective |

**Digital Media and Communications Pathway Courses:**
Foundations of Design, Multimedia Arts, & Digital Communications (A/B)
Audio/Video Production I (A/B)
Audio/Video Production II (A/B)
WBL: Digital Media and Communications

## Digital Media & Communications Pathway Course Descriptions

**Foundations of Design, Multimedia Arts, & Digital Communications A**
**Foundations of Design, Multimedia Arts, & Digital Communications B**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed: Reading, Writing, and Communicating 1-4

Students will learn the basic skills in digital communication and production and design concepts. Students are introduced to a variety of programs, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. They will develop workplace skills of applying for and completing work assignments as well as being peer evaluated. Students will become part of the *CyChron* (Pueblo West High's Student Media organization) which will provide a context for them to practice and display their skills. Students will be encouraged to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Aspects of the course will be self-selected in order for them to individualize their experience. Course may require time outside of the scheduled school day. *Class fee of $25.*

**Audio/Video Production I A**
**Audio/Video Production I B**
Grade: 10-12 1 credit
Prerequisite: Foundations of Design A/B
Standards Addressed: Reading, Writing, and Communicating 1-4

Students will have the opportunity to learn a broad set of skills in print and broadcast formats in an energetic, student-lead environment. Those skills include gathering, writing, editing, and reading the news, conducting interviews, using publishing software, producing a broadcast, filming and photographing news events and reports, delivering on-camera reports, creating and publishing graphics, video, and producing live and edited video elements. This course explores the Audio and Video production industry and its post-secondary educational and career opportunities. Students will

gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Students will learn basic skills in PhotoShop and Adobe Premiere. They will develop workplace skills of applying for and completing work assignments as well as being peer evaluated. Students will become part of the *CyChron* (Pueblo West High's Student Media organization) which will provide a context for them to practice and display their skills. Students will be encouraged to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Aspects of the course will be self-selected in order for them to individualize their experience. Course may require time outside of the scheduled school day. *Class fee of $25*

**Audio/Video Production II A**
**Audio/Video Production II B**
Grade: 11-12 1 credit
Prerequisite: Audio/Video Production I A/B
Standards Addressed: Reading, Writing, and Communicating 1-4

Students will take leadership roles in various student productions and will hone their skills in mentorship as well as evaluating their peers and developing strong habits as a team leader in a design process. Students will have the opportunity to learn a broad set of skills in print and broadcast formats in an energetic, student-lead environment. Those skills include gathering, writing, editing, and reading the news, conducting interviews, using publishing software, producing a broadcast, filming and photographing news events and reports, delivering on-camera reports, creating and publishing graphics, video, and producing live and edited video elements. This course explores the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Students will learn basic skills in PhotoShop and Adobe Premiere. They will develop workplace skills of applying for and completing work assignments as well as being peer evaluated. Students will become part of the *CyChron* (Pueblo West High's Student Media organization) which will provide a context for them to practice and display their skills. Students will be encouraged to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Aspects of the course will be self-selected in order for them to individualize their experience. Course may require time outside of the scheduled school day. *Class fee of $25.*

**WBL: Digital Media & Communications A**
**WBL: Digital Media & Communications B**
Grade: 12 1 credit
Prerequisites: Foundations of Design, Audio/Video I and II
Standards Addressed: Reading, Writing, and Communicating 1-4

This course requires instructor approval and is intended for those who have completed 3 years in the Digital Media & Communications pathway who desire additional opportunities to strengthen their skills and knowledge in order to prepare for potential post-secondary academic training or employment. WBL students will essentially be demonstrating their skills as beginning professionals in multiple contexts including within the school building and district as well as in the local business

community. Students will be important leaders in the *CyChron* (Pueblo West High's Student Media organization) which will provide a context for them to practice and display their skills. Students will also be required to join Skills USA in order to practice and grow the skills covered in the course in a context that allows them to compete with students from other schools and interact with industry professionals. Students will be given the opportunity to work with organizations outside the classroom in order to practice employing their skills for a customer. *Class fee of $25.*

**General Construction Pathway**

Construction students will learn essential knowledge, skills, and concepts required for careers in construction. Students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts. Students will also learn about the construction industry and an introduction to building systems and materials. The pathway also provides an overview of the planning, design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and mill working. Different cabinet and furniture styles used, various wood products and materials, and proper tool selection may also be covered. Students will be introduced to the different construction processes in the cabinetmaking, furniture making, and millwork industries. Students will learn about measurement, layout, shop drawings and cutting lists. They will gain a basic understanding of the various kinds of materials used in the industry. Correct and safe use of tools and equipment is emphasized. The construction of several projects will develop students' woodworking skills. Students will have the opportunity to earn industry certifications as well.

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| **9th Grade**<br>English- English 1/Honors<br>Math-Algebra 1 or higher<br>Science-Biology/Honors<br>Social Studies-US History/Honors<br>**Elective-Principles of Construction**<br>Elective<br>Elective | **11th Grade**<br>English-Choice<br>Math-Algebra 2/Technical Math and Probability/Stats or higher recommended<br>Science-Choice<br>Social Studies-Choice<br>**Elective- Construction Technology 2**<br>Elective<br>Elective |
| **10th Grade**<br>English-English 2/Honors<br>Math-Geometry or higher)<br>Science-Chemistry/Honors recommended<br>Social Studies-World History/Honors or AP<br>**Elective-Construction Technology**<br>Elective<br>Elective | **12th Grade**<br>English-Choice<br>Math-Choice<br>Science-Choice<br>Social Studies-Choice<br>**Elective-Construction Management**<br>Elective**-WBL: Construction/Capstone**<br>Elective |

*****Students may consider combining the General Construction courses with Engineering and Technology courses.**

**Construction Pathway Courses:**

Principles of Construction
Construction Technology 1
Construction Technology 2
Construction Management and/or Work Based Learning: Construction or Capstone

**General Construction Pathway Course Descriptions**

**Principles of Construction (MYP)**

Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: ISTE 1-6

Principles of Construction is a foundational course in the Architecture & Construction cluster covering essential knowledge, skills, and concepts required for careers in construction. Upon completion of this course, proficient students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts. Standards in this course also include an overview of the construction industry and an introduction to building systems and materials. Additionally, the student should have a broader understanding of construction processes as well as more in-depth problem-solving skills. Students will also have the opportunity to earn industry certifications. *Class fee of $10.*

**Construction Technology (MYP)**

Grade: 10-12 1.0 credit
Prerequisite: Principles of Construction
Standards Addressed: ISTE 1-6

This is the foundation course to basic residential construction. Students will demonstrate competencies that are nationally recognized by the construction industry. Students will learn and practice structural framing of floors, walls, ceilings, and roofs. This course also includes the use of basic construction tools and machinery, applied math, and an introduction to blueprint reading. This course teaches students industry safety including the use of all machines and tools. Students will have the opportunity to earn industry certifications. *Class fee of $10.*

**Construction Technology II**

**G**rades: 10-12 1.0 credit
Prerequisites: Woodworking 1, Construction Technology

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians or supervisors, or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students will have the opportunity to earn industry certifications. *Class fee of $10.*

**Construction Management**

**G**rades: 10-12 1.0 credit
Prerequisites: Principles of Construction Construction Technology I and II

This course provides an introduction to construction management principles used in the industry, including the organization of project teams, role of the project manager, how project management is used within the industry, and basic project management concepts and techniques.

**WBL: Construction**

**G**rades: 10-12 up to 1.0 credit per semester based on documented hours

Prerequisites: Principles of Construction, Construction Technology I and II (minimum of 2 credits in pathway)

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course.

**Significant industry engagement is required for this course and includes, but is not limited to, setting professional expectations for quality of work, mentoring students through a project and providing feedback, and evaluating employability skill development. Students should have a minimum contact of 30 hours with employers or in the job setting. A dedicated workplace mentor will supervise each student in workplace-based experiences such as internships, co-op, and apprenticeships. If working in the industry as an apprentice or paid internship, students must log 76 hours for .5 credit or 152 for 1.0 per semester.




The Law and Justice Academy offers two pathways in Criminal Justice. Students can choose to take courses to pursue a career in Law Enforcement or a career in Legal and Judicial Studies. Students will take the pathway college courses from Pueblo Community College on Pueblo West's campus to earn over 30 college credits. Students can also earn industry certifications. Courses can be taken in addition to International Baccalaureate, Advanced Placement, Senior-to-Sophomore Concurrent Enrollment or other Career and Technical courses.

**Law Enforcement Pathway**

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| **9th Grade**<br>English-English 1/Honors<br>Math-Algebra 1 or higher<br>Science-Biology 1/Honors or Principles of Biomedical Science<br>Social Studies-US History/Honors<br>**Elective- AAA 1009- Advanced Academic Achievement (Semester)**<br>Elective<br>Elective | **11th Grade**<br>English-Choice<br>Math- Algebra 2/Technical Math and Probability/Stats or higher recommended<br>Science-Forensics/Choice<br>Social Studies-Choice: Criminology, Psychology, Sociology<br>**Elective-Intro to CRJ and General Ed college course (Fall) and Crime Scene and Principles of Criminal Law (Spring)**<br>Elective<br>Elective |
| **10th Grade**<br>English-English 2/Honors<br>Math-Geometry or higher<br>Science- Chemistry/Honors<br>Social Studies-World History/Honors or AP<br>**Elective- Policing Systems and Judicial Function (Fall) and Correctional Process and Public Speaking (Spring)**<br>Elective<br>Elective | **12th Grade**<br>English-ENG 1031 Technical Writing<br>Math-Choice<br>Science-Choice<br>Social Studies-Choice: Criminology, Psychology, Sociology<br>**Elective-Criminal Investigations (Fall) and Intro. to Forensic Science and Criminalistics (Spring)**<br>**Elective-WBL**<br>Elective |

**Law Enforcement Pathway**

AAA 1009-Advanced Academic Achievement

CRJ 1025- Policing Systems

CRJ 1035- Judicial Function

CRJ 1045- Correctional Process

COM-College level Speech Course

CRJ 1010 Introduction to Criminal Justice

General Education College Course

CRJ 1027- Crime Scene Investigation

CRJ 2005- Principles of Criminal Law

CRJ 2009- Criminal Investigations

ENG 1031 Technical Writing

CRJ 2031-Introduction to Forensic Science and Criminalistics

CRJ 2035- Delinquent Behavior

**Legal and Judicial Studies Pathway**

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| **9th Grade**<br>English-English 1/Honors<br>Math-Algebra 1 or higher<br>Science-Biology 1/Honors or Principles of Biomedical Science<br>Social Studies-US History/Honors<br>**Elective- AAA 1009- Advanced Academic Achievement (Semester)**<br>Elective<br>Elective | **11th Grade**<br>English-Choice<br>Math- Algebra 2 or higher recommended<br>Science-Forensics or AP/IB Choice<br>Social Studies- Criminology, Psychology, Sociology or AP/IB/STS Course<br>**Elective-Intro to CRJ and Principles of Criminal Law (Fall) and Intro to Sociology or Intro to Psychology (Spring)**<br>Elective<br>Elective |
| **10th Grade**<br>English-English 2/Honors<br>Math-Geometry or higher<br>Science- Chemistry/Honors<br>Social Studies-World History/Honors or AP<br>**Elective- Policing Systems and Judicial Function (Fall) and Correctional Process and Public Speaking (Spring)**<br>Elective<br>Elective | **12th Grade**<br>English-Choice<br>Math-Choice<br>Science-Choice<br>Social Studies-Choice: Criminology, Psychology, Sociology or AP/IB/STS<br>**Elective-Criminal Law and Upper Psychology or Sociology (Fall) and Criminology and Upper Psychology and Sociology (Spring)**<br>**Elective-WBL** |

| | |
|---|---|
| | Elective |

**Legal and Judicial Studies Pathway Courses:**

AAA 1009-Advanced Academic Achievement

CRJ 1025- Policing Systems

CRJ 1035- Judicial Function

CRJ 1045- Correctional Process

COM-College level Speech Course

CRJ 1010 Introduction to Criminal Justice

General Education College Course

CRJ 2005-Principles of Criminal Law

SOC 1001-Introduction to Sociology or PSY 1001-Introduction to Psychology

The following courses will be taken on PCC Campus:

CRJ 2010- Criminal Law

Upper Psychology or Sociology course

CRJ 2030- Criminology

Upper Psychology or Sociology course

## Law and Justice Academy Course Map and Course Descriptions

**Year 1 (9th grade)- All incoming 9th grade students 2023-2024 school year and beyond**

- AAA 1009- Advanced Academic Achievement
    - 3 college credit
    - 1 high school credit
    - Semester course

  Course Description: Examines theories and practices associated with successful learning to enhance college success. Techniques covered include academic proficiency, personal management, effective collegiate communication, critical and creative thinking, development of community, awareness of diverse identities, and educational and career planning. All students will be required to apply and be accepted to Pueblo Community College, complete the College Opportunity Fund application (built within the PCC application), and register for the college credit. There will be a cost for college credit.

  A grade of a “C” or better and a score of 236 on the college English (Reading Comprehension and Sentence Skills) portion of the Accuplacer will be necessary to continue in the plan of study.

**Students can enter into the program no matter their grade level; however, students entering after the 2023-2024 school year, will need to take the AAA 1009 course and the Accuplacer concurrently with the entry-level Year 2 CE courses (CRJ 1025 and CRJ 1035).**

**Potential College Credits by Graduation: 36**

**Year 2: All Students 10th-12th for 2023-2024 school year. After the 2023-2024 school year, Year 2 will be for 10th grade students starting with the Class of 2027**

- Fall
  - CRJ 1025 Policing Systems (MW)
    - Course Description: Examine policing in the United States, including historical foundations, emerging issues, and the relationship between law enforcement and the community. The various types of the law enforcement agencies, their administrative practices, and the behavior of those involved in the delivery of police services are examined from the perspective of democratic values, racial and ethnic diversity, and societal perceptions of police effectiveness. Career requirements, including current and future trends, are also presented.
  - CRJ 1035-Judicial Function (TR)
    - Course Description: Provides an overview of the structure and function of the dual American judicial system and the behavior of actors (judges/justices, lawyers, law clerks, interest groups, etc.) within the system. Emphasis is placed on the organization and administration of state and federal courts, criminal court procedures, juries, selection of judges, decision-making behavior of juries, judges and justices, and the implementation and impact of judicial policies.

- Spring
  - CRJ 1045-Correctional Process (MW)
    - Course Description: Examines the history of corrections in America from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. This course examines the theories, rationales for punishment, and the political system in which corrections, as a component part of the criminal justice system, needs to operate. The course emphasizes legal, sociological, psychological, and other interdisciplinary approaches that affect the operation of a correctional system.

  - COM 1015 Public Speaking, COM 1025 Interpersonal Communications (GT course) , or Intercultural Communications (TR)

**Year 3: 2024-2025 school year, 11th and 12th grade students; After 2024-2025, 11th grade**

- Fall- All Students
  - CRJ 1010 Introduction to Criminal Justice (GT-SS3)
    - Course Description: Introduces the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization perspectives, and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined. This is a statewide Guaranteed Transfer course in the GT-SS3 category.
  - Gen Ed Course- ENG, COM, SOC, POS

- **Spring- Students will need to be advised into one of the two pathways:**
- **Law Enforcement Pathway 1**: Criminal Justice Associates of Applied Science
    - CRJ 1027-Crime Scene Investigation
        - Course Description: Focuses on basic procedures in crime scene management to include photography and preparing initial reports and sketches. Includes processing evidence and related criminalistic procedures. Covers interviewing suspects, witnesses and victims to include the recording of identifications and descriptions. Incorporates lab and lecture.
    - CRJ 2005-Principles of Criminal Law
        - Course Description: Focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law.

- **Legal and Judicial Studies Pathway 2**: Criminal Justice Transfer (Taken on PCC Campus)
  Upon completion of the Associate of Arts Degree with Designation in Criminal Justice students are prepared to transfer as juniors in college to a four-year institution in Colorado to pursue a Bachelor's degree in Criminal Justice. Graduates can seek a career in federal, state and local criminal justice agencies. This includes correctional institutions, juvenile corrections and varied treatment facilities, law enforcement agencies, courts, private security and forensic investigation work.
  AA-Criminal Justice (for transfer to Northern Colorado, CU Denver, Metro State, Colorado Mesa, UCCS, and CSU-Global) or AA-Criminology: For transfer to CSU-P or CSU Global, or for students not seeking transfer, but need a strong CRJ background.

    - CRJ 2005-Principles of Criminal Law
        - Course Description: Focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law.

      PSY 101 or SOC 101

**Year 4: 2025-2026 School year, 12th grade students**

- **Law EnforcementPathway 1**: Criminal Justice AAS
    - Fall
        - CRJ 2009-Criminal Investigations
            - Course Description: Covers the function of the preliminary investigation at a crime scene to include securing the scene, crime scene searchers, police drawings, and recognition and collection of evidence.
        - ENG 1031 Technical Writing, POS, HIS
    - Spring
        - CRJ 2031-Introduction to Forensic Science and Criminalistics
            - Course Description: Exploration of the fundamentals of forensic science that are essential for gathering evidence at the crime scene and analyzing it in the crime laboratory.

        - CRJ 2035-Delinquent Behavior
            - Course Description: Focuses on the adolescent who violates social and legal norms and the consequences for the individual and society. Emphasizes the social and psychological factors influencing individual delinquent patterns.

- **<u>Legal and Judicial Studies Pathway 2:</u>** Criminal Justice Transfer (Taken at PCC Campus)
    - Fall
        - CRJ 2010-Constitutional Law
            - Course Description: Focuses on the powers of government as they are allocated and defined by the United States Constitution. The course includes intensive analysis of United States Supreme Court decisions.

        - Upper PSY or SOC
    - Spring
        - CRJ 2030-Criminology
            - Course Description: Provides an introduction to the study of crime, understanding the causes of crime, and examines theoretical frameworks and theories to explain criminal behavior. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

        - Upper PSY or SOC

**Year 4: ASCENT Year- Students would have 24 or fewer credit hours to take depending on other classes taken at high school for college credit.**

## PHYSICAL EDUCATION COURSE OFFERINGS

*(Not NCAA approved)*

**PWHS encourages P.E. students to provide their own combination lock.** Participation in Marching Band, JROTC, or Show Choir will count as P.E. credit (.5 credit per course per semester). Participation in a sport will count for a .5 P.E. credit for the first sport played, and a P.E. waiver for subsequent sports thereafter (this is only a waiver from the P.E. course, and 1 credit must be earned by way of another elective course to fulfill the graduation requirements). *Uniforms are required for all PE courses. They will be sold by the PE department and cost $12.*

**Physical Ed**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Physical Education 1-3

This course offers an experience in a variety of sports and activities. These activities and sports include many individual and team sports. Increased levels of fitness, including strength and cardiovascular endurance are possible through participation. Conditioning and fitness will be included through various aerobic activities. Physical participation is mandatory. *Fees may be charged for optional field trips.*

**Lifetime Sports**
Grade: 10-12 .5 credit
Prerequisite: None
Standards Addressed: Physical Education 1-3

The goal of this course is to promote physical fitness through a variety of fitness activities and sport units. Team sports will be a main focus. Skill development, teamwork, and knowledge of the sport will be a priority. Fitness activities will include aerobics, team activities, and other group exercises. Sport units will include badminton, soccer, basketball, golf, pickleball, football, softball, tennis, ultimate frisbee, disc golf, and volleyball. Sport education and fitness components will be discussed and reviewed in detail.

**Weight Training**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Physical Education 1-3

This is a course in the mechanics and techniques of weight training. Safety in the weight room and proper usage of the machines and free weights will be emphasized. A performance record will be kept on each student. Conditioning and fitness will be included through various aerobic activities. Physical participation is mandatory.

**Advanced Weights**
Grade: 10-12 .5 credit

Prerequisite: Must play in a high school sport and must be recommended by head coach.
Standards Addressed: Physical Education 1-3

This course is designed for the high school sports competitors that desire to get bigger, faster, and stronger. The course may include but not limited to Plyometrics, Speed and quickness training, Core Strength development, Olympic lift training. Sports specific movements. Safety in the weight room and proper usage of the machines and free weights will be emphasized. A performance record will be kept on each student. Physical participation is mandatory.

**Body Toning**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Physical Education 1-2

This is a course designed for students looking to learn the basics of physical fitness and weight training. Students will be involved in daily cardiovascular workouts, aerobic dance, rhythmic dances, and circuit training weight programs. Students will learn to design and implement lifetime fitness programs. Physical participation is mandatory.

**Health**
Grade: 9 .5 credit
Prerequisite: None
Standards Addressed: Physical Education 1-2, Science 3

This required course focuses on the premise that adolescents must learn to resolve issues that can have negative influences on their lives, allowing the student the opportunity to achieve their full health potential. Issues that will be covered include preventing the use of alcohol, tobacco and other drugs, handling stress, human sexuality, nutrition and eating disorders, first aid, personal health, and SERT training (Student Emergency Response Training), disaster preparedness for self and family.

## VISUAL ARTS COURSE OFFERINGS

*(Not NCAA approved)*

The Pueblo West High School Art Department believes that the visual arts are important aspect of human existence and those activities of artistic creation and concepts of aesthetic appreciation can be learned. We offer a program of progressive courses wherein you can develop your creative abilities and gain the knowledge necessary to respond to historic and contemporary works of art. It is our intention that students come away from our program with:

- The ability to create art that is original, authentic, and expressive, and that reflects the characteristics of individual style
- The ability to incorporate art concepts, reasoning, and processes into academics and career

pursuits
• A heightened sense of intuition, imagination, and dexterity
• An understanding of art as a universal language

As the courses in the art department are electives, it is understood that you are enrolled by choice and will therefore put forth maximum effort. Please be cognizant of the prerequisite requirements when requesting courses. You will not be permitted to take a course without the prerequisites unless you are classified as GT in the visual arts, or if you have presented a portfolio for approval through the instructor. *The visual art and ceramics department requests $20.00 per student per course to help defray the cost of materials.*

**Visual Art 1**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Visual Arts 1-4

This introductory art course will give you a solid base of 2 dimensional art experience and vocabulary. Basic knowledge of elements of art and principles of design, such as line and balance will be covered. Concepts will be learned through various art projects. *Class fee of $20.*

**Visual Art 2**
Grade: 9-12 .5 credit
Prerequisite: Visual Art 1
Standards Addressed: Visual Arts 1-4

This art course will take you to the next level of creative endeavor. You will work with more sophisticated materials, building on the basic skills acquired in Visual Art 1. Along with starting your journey to learning how to create art like an artist in more studio based, choice based lessons. *Class fee of $20.*

**Advanced Painting (PCC credit ART 1301/Painting 1)**
Grade: 10-12 .5 credit
Prerequisite: Visual Art 1, and 2 or instructor permission (Any Junior or Senior may take without Prerequisite)
Standards Addressed: Visual Arts 1-4

Advanced Painting will allow you to explore various mediums in painting such as acrylics, watercolor, gouache and more, through independent choice and studio based lessons. This class is perfect for those who wish to pursue art in the future or who thoroughly enjoy the process of creating art. This class is a Pueblo Community College credit course if you choose to pay the extra fee. *Class fee of $20.*

**Advanced Drawing (PCC credit ART 1201/Drawing 1)**
Grade: 10-12 .5 credit
Prerequisite: Visual Art 1, and 2 or instructor permission (Any Junior or Senior may take without Prerequisite)
Standards Addressed: Visual Arts 1-4

Advanced Drawing will allow you to explore various mediums in drawing such as pencil, ink, charcoal, colored pencil and more, through independent choice and studio based lessons. This class is perfect for those who wish to pursue art in the future or who thoroughly enjoy the process of creating art. This class is a Pueblo Community College credit course if you choose to pay the extra fee. *Class fee of $20.*

**Advanced Placement 2-D Art and Design ✤**
Grade: 11-12 1 credit year long course
Prerequisite- Visual ART 1

The AP Art and Design program consists of two different exam pathways—AP 2-D Art and Design, and AP Drawing—corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams.

Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams. *Class fee of $20.*

**AP Art History ✤**
Grade: 11-12 1 credit
Students will get both Art History 1 and Art History 2 in this class which will both be offered for STS college credit.
Art History 1: History of art & architecture from prehistory to 1300 CE. Topics include religious & political functions of art, cross-cultural interaction, the legal, ethical, & scientific challenges of archeology, restoration, & interpretation. *Class fee is depended upon College credit fee.*
Art History 2 : Discover how cross-cultural interactions, photography, abstraction, & the artistic engagement with politics, feminism, race, and popular culture affected the artworld. art throughout the world from 1300 CE to the present. *Class fee is depended upon College credit fee.*

**Ceramics 1 (MYP)**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Visual Arts 1-4
Ceramics is the art or work of making objects of clay. Ceramics 1 is an introductory course covering the basic construction experience necessary to pursue ceramics as an art form.

This experience will include formative techniques such as pinch, coil, and slab. You will be introduced to the firing process, basic glaze application, and other finishing methods. *Class fee of $20.*

**Ceramics 2 (MYP)**
Grade: 9-12 .5 credit
Prerequisite: Ceramics 1
Standards Addressed: Visual Arts 1-4
If you enroll in Ceramics 2, you will have already found a love of working with clay. This second level course will further develop your construction skills gained in Ceramics 1. Your work will be expected to show a higher level of competence, grace, and production. Throwing on the wheel is an option at this level. *Class fee of $20.*

**Advanced Ceramics**
Grade: 9-12 .5 credit
Prerequisite: Ceramics 1, and 2
Standards Addressed: Visual Arts 1-4
Form and function will become increasingly important as you examine these elements in your own work and in the work of other artists. You will add to your experience in glaze chemistry and application and you will begin to take a more active part in firing your wares. Throwing on the wheel is an option at this level. This course will allow you to pursue the fine art of ceramics based on individual interests. You will be expected to be self-motivated and to work by proposal. Specific assignments will be given to allow more time to explore the construction methods and projects of your choice. This course may be taken more than once. *Class fee of $20.*

## DRAMA COURSE OFFERINGS

*(Not NCAA approved)*

**Drama 1**
Grade: 9-12 1 credit

This is an introductory course for individuals without theatrical experience. The course covers stage movement, pantomime, improvisation, storytelling, and monologues. Other topics will be discussed if time allows. Students will learn the basic terminology and the basic skills of acting and stage production.

**Drama 2**
Grade: 10-12 1 credit
Prerequisite: Drama 1

This course is for the student who has successfully completed Beginning Drama and wishes to delve deeper into performing on stage. We explore different acting techniques and how they have evolved over the ages. Including chorus performances in Greek Theatre, Commedia DelArte, Shakespearean, and modern acting styles of Stanislavski and others. .

**Advanced Drama**
Grade 10-12 1 Credit
Prerequisite: Drama 2

This course is for the student who has successfully completed drama 1 and 2 and wishes to delve deeper into performing on stage. The students will perform single scenes and one-act plays for a paying audience. This course covers such topics as the structure and varieties of drama, the history of theatre, character development, exploration, and research into acting methods. Students in the course will also complete a senior showcase in which senior students select, cast and direct a performance for a live audience.

**Musical Theatre**
Grade: 10-12 1 credit
Prerequisite: Drama 1 or Choir

Musical Theatre class is an exploration of American Musical Theatre. Students will study the work of the performer and use their gained knowledge to develop performances. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Since this is a workshop course, students will prepare material for class presentation and critique. There will also be a focus on the audition process and musical theatre history and repertoire. Finally, the class will take part in a culminating showcase performance in the spring. Smaller performances will also occur throughout the school year.

**Technical Theatre**
Grade: 10-12 1 credit
Prerequisite: Drama 1

Students will learn all aspects of technical theatrical production such as stage and house management, light design (theory and execution), sound design (theory and execution), set design (theory and construction), costuming (design and construction), and make-up (design and application). This course is for the student who wishes to work "behind the scenes" in the theatre.

## INSTRUMENTAL COURSE OFFERINGS

*(Not NCAA approved)*

**Beginning Band**

Grade: 9-12 Grade Students - Beginners 1 credit

Prerequisite: None

Standards Addressed: Music 1 - 4

Beginning Band is designed for students who did not have the opportunity to participate in band previously, but have a desire to learn a wind band instrument (flute, clarinet, saxophone, trumpet, french horn, trombone, euphonium, tuba, and percussion). This class is an entry level concert band, no previous experience in band/ music required. Students who had minimal middle school band are encouraged to join Beginning Band to solidify their fundamental playing skills. Some school instruments are available to check-out, while others may need to be rented from a local music store depending on availability. All students should see Ms. Kennedy before renting or purchasing a new instrument for this class. Students will perform at concerts throughout the year with the other concert band classes.

**Concert Band**

Grade: 9-12 Grade Students - Intermediate 1 credit

Prerequisite: Previous experience on a band instrument

Standards Addressed: Music 1 - 4 (PE credit)

Students will rehearse music and perform at concerts and festivals throughout the year in a concert band setting (wind instruments and percussion). Students with experience playing in middle school band, another concert band at PWHS, or taking private lessons would be a good fit for this class. Beginning level students should take Beginning Band and students looking to play more challenging music should audition for Wind Ensemble. Students must also participate in marching band to receive PE credit. *There's a participation fee to take this class.*

**Wind Ensemble**

Grade: 9-12 Advanced 1 credit

Prerequisite: Audition Required - Contact the Director

Standards Addressed: Music 1 - 4 (PE credit)

Students will rehearse music and perform at concerts and festivals throughout the year in a concert band setting (wind instruments and percussion). Students must audition to participate in Wind Ensemble. Students must also participate in marching band to receive PE credit. *There's a participation fee to take this class.*

**Jazz Ensemble**

Grade: 9-12 Advanced 1 credit

Prerequisite: Recommendation/ Audition - Contact the Director

Standards Addressed: Music 1 - 4 (PE credit)

Students will practice and perform jazz music. In this class, students will learn skills required to play in this style (phrasing, improvisation/ solo, articulations, rhythm patterns, and blend). Placement in

the jazz band is based on an audition in the spring semester. Students must also be enrolled in a concert band class (Wind Ensemble or Symphonic Band) (see Ms. Kennedy for possible exceptions). Jazz Band will perform at concerts, festivals, and other events throughout the year. Jazz Band includes saxophones, trumpet, trombone, guitar, bass guitar, piano, drumset, and auxiliary percussion. If you are interested in joining Jazz Band but do not play one of these instruments, please see Ms. Kennedy.

**Music Technology**
Grade: 9-12 .5 credit
Prerequisite: None
Standards Addressed: Music 1 - 4

Music Technology consists of music composition software, mixing programs, sound boards, and music production. Students will create podcasts, music compositions, ringtones, and more. Students who complete this class receive training and experience of handling music technology equipment useful for furthering musical interests or careers. All students are trained how to operate the PWHS Auditorium and manage events.

## VOCAL MUSIC OFFERINGS

*(Not NCAA approved)*

**Voices**
**Year long Course**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed: Music 1-4

This is a performance group without an audition. Whether you're a seasoned singer or just testing the waters of vocal music, this choir has everything you need to hit the right notes. Each day we will focus on vocal warm-ups, breathing techniques, and harmony basics, plus insights into different musical styles, sight-reading, and performance etiquette. We have 4 performances a year along with many other performance opportunities. We'll also cover how to blend with a group, build confidence on stage, and make the most of rehearsals. So, warm up those vocal cords and get ready to sing your heart out! (Concert attire is a requirement for this performance group)

**Jazz Choir**
**Year long Course**
Grade: 9-12 1 credit
Prerequisite: Audition only
Standards Addressed: Music 1-4

Our jazz choir is guaranteed to be a dynamic vocal ensemble that brings rich harmonies, smooth scat singing, and vibrant energy to the stage! We will blend soulful melodies with swinging rhythms, creating a sound that's both timeless and fresh. This season, we're teaming up with the jazz band for an electrifying collaboration, fusing powerful vocals with the deep grooves of a live instrumental section. Expect everything from classic jazz standards to modern twists, with plenty of improvisation and fun along the way. Whether you're a fan of tight harmonies or bold solos, this is a musical experience you won't want to miss! We have 4 performances a year along with many other performance opportunities. (Concert attire is a requirement for this performance group)

**Show Choir**
**Year long Course**
Grade: 9-12 1 credit
Prerequisite: Audition only
Standards Addressed: Music 1-4

Our show choir is like a high-energy mashup of singing, dancing, and pure performance magic! Picture a group of talented performers belting out powerful harmonies while executing sharp, synchronized choreography—all with big smiles and even bigger stage presence. It's part concert, part Broadway spectacle, with flashy costumes, dramatic lighting, and plenty of personality. Whether we are performing pop hits, musical theater classics, or heart-pounding mashups, show choir brings a contagious energy that gets audiences clapping, cheering, and maybe even dancing along. It's teamwork, passion, and a whole lot of glitter all rolled into an epic performance! We have 4 performances a year along with many other performance opportunities. (Concert attire is a requirement for this performance group, along with other costumes to match a variety of performances.)

**Advanced Voices**
**Year long Course**
Grade: 10-12 1 credit
Prerequisite: Audition only
Standards Addressed: Music 1-4

Our advanced choir is a top-tier, audition-only vocal group made up of dedicated 10th–12th graders who are passionate about music and performance. We focus on delivering high-level choral music both in school and throughout our community, representing our program with energy, artistry, and precision. From concerts and school events to community outreach and special performances, we

strive to bring beautiful, expressive music to every stage we step on. With a strong commitment to excellence, teamwork, and musical growth, this group is for singers who are ready to challenge themselves, inspire others, and share their love of music in a big way! (Concert attire is a requirement for this performance group)

**Music Theatre**
**Year long Course**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed: Music 1- 4

Get ready for an epic collaboration as the musical theatre crew joins forces with the drama department to bring this year's all-school musical to life! With big show-stopping numbers, powerhouse vocals, and dramatic storytelling, this team-up is set to create an unforgettable performance. From belting out Broadway hits to perfecting every dance move and dramatic scene, the energy is electric as actors, singers, and dancers work together to make magic on stage. Whether you're a seasoned performer or stepping into the spotlight for the first time, this is your chance to be part of something spectacular—so warm up those vocal cords, hit your cues, and let's make theatre history! (This year's musical….will be announced in the fall!)

## JUNIOR RESERVE OFFICERS TRAINING CORPS OFFERINGS

*(Not NCAA approved)*

JROTC is an elective yearlong course that is open to physically fit male and female citizens of the United States. The program emphasizes citizenship, leadership, self-reliance, teamwork, responsiveness to constituted authority, and knowledge of selected military subjects. To achieve this objective, the following subjects are taught: citizenship, leadership, oral communications, military history, physical training, first aid and substance abuse, map reading and land navigation, the role of the U.S. military and drill ceremonies. Hands-on instruction is incorporated to the maximum extent practical. Students have the opportunity to exercise leadership within a structured environment using the framework of a military organization (cadet battalion). All uniforms, texts and equipment are issued to students on a loan basis. Students are required to wear the uniform once per week and when directed by instructors for ceremonies and inspections. Students are oriented on opportunities available in all armed services to include information on college ROTC, ROTC scholarships and appointments to all service academies. Students are encouraged to participate in extra-curricular activities such as color guard, drill team, rifle team, raider team, community service projects and field trips. Selected students have the opportunity to attend a five-day encampment conducted in the summer. JROTC course credit fulfills physical education requirements for graduation.

**JROTC 1: Leadership Education and Training (LET)**
Grade: 9-12 1 credit
Prerequisite: None
Standards Addressed: JROTC 1-3

The student is introduced to JROTC with instruction in American citizenship, oral communications, leadership development, military drill, and introduction to map reading, first aid and substance abuse and physical training. Emphasis is on citizenship, teamwork, and followership.

**JROTC 2: Leadership Education and Training (LET)**
Grade: 10-12 1 credit
Prerequisite: JROTC 1
Standards Addressed: JROTC 1-3

The student continues leadership development, methods of instruction, physical training, military drill, the role of the Armed Forces, and receives advanced training in map reading and first aid. Students have the opportunity for appointment to positions of leadership and responsibility commensurate with their ability in the cadet battalion.

**JROTC 3: Leadership Education and Training (LET)**
Grade: 11-12 1 credit
Prerequisite: JROTC 2
Standards Addressed: JROTC 1-3

Leadership development is intensified with qualified students serving as assistant instructors and in positions of increased responsibility, such as cadet officers and senior noncommissioned officer positions within the cadet battalion. Every effort is made to provide students with the opportunity to lead and train other students and to assist instructors in the day-to-day operation of the cadet battalion. Additional instruction in decision-making and management, methods of instruction, the role of the armed forces, military drill, military history, map reading, land navigation and first aid is provided. Successful completion of this course entitles students to advanced placement (with the instructor's recommendation) in college ROTC or upon enlistment in the armed forces.

**JROTC 4: Leadership Education and Training (LET)**
Grade: 12 1 credit
Prerequisite: JROTC 3 and Senior Army Instructor's approval
Standards Addressed: JROTC 1-3

JROTC 4 is designed for cadets who have demonstrated above average proficiency in all aspects of the leadership development curriculum during their first three years. Students enrolled in this program will serve as assistant instructors and will present classroom and drill instruction to first year students. These students will serve in command and staff position within the cadet battalion and plan, prepare and execute various activities under the guidance of the instructors. These include military ceremonies, community service projects, parades, social activities, inspections, and training events.

Students will also be responsible for day-to-day administration of the cadet battalion. Students will be required to complete several self-study projects during the year. This level of curriculum concentrates in the areas of Communications, Leadership Development, and Managerial Techniques with the majority of the contact hours devoted to the Practical Application Phase of Instruction.

**JROTC: Leadership**
Grade: 10-12 1 credit
Prerequisite: JROTC 2, 3 or 4 and Senior Army Instructor's approval
Standards Addressed: JROTC 1-3

Cadets in the Staff Development course receive advanced instruction on the administrative, training, and logistical functions that must be accomplished on a daily basis to run the JROTC unit. Cadets assume leadership roles as staff members and peer instructors and perform duties in various leadership positions in the area of staff, rifle team and drill. Cadets receive additional instruction in leadership, responsibility, management, integrity, and instructional methods. Cadets interested in this course must be LET 2, 3 or 4 and obtain permission from the Senior Army Instructor before they enroll in this year-long course. Students may enroll in this course repeatedly for credit.

**Cybersecurity**
Grade 10-12 1 credit
Prerequisite:
Standards Addressed:

The Army JROTC Cyber Program introduces interested students for career opportunities in cybersecurity fields. The program includes modules on the impacts of cyber in the areas of law, business and artificial intelligence and provides students opportunities to attain key knowledge, skills, and abilities through innovative activities and competitions. Students will engage in multiple cyber competitions including CyberPatriot, Hackabit, Cyber Start America and National Cyber League.

Pueblo County School District 70 does not unlawfully discriminate on the basis of race, color, religion, national origin, gender, age, genetic information, or handicap (disability) in admission or access to, or treatment, or employment in its education programs or activities. Inquiries about ADA, Section 504, Title VI, and Title IX may be addressed to the Superintendent of Schools, 301 28th Lane, Pueblo, Colorado 81001719-542-0220 or krein@district70.org

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719- 542-0220 or krein@district70.org