

# Rye High School

2024-2025



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**NONDISCRIMINATION STATEMENT**

Pueblo County School District 70 does not unlawfully discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity/expression, marital status, national origin, religion, age, disability, need for special education services, genetic information, pregnancy or childbirth status, or other status protected by law in admission or access to, or treatment, or employment in its education programs or activities. Additionally, a lack of English language skills is not a barrier to admission or participation in activities. Inquiries about ADA, Section 504, Title VI, and Title IX may be addressed to the Superintendent of Schools, 301 28 th Lane, Pueblo, Colorado 81001. 719-295-6548 or krein@district70.org

**DECLARACIÓN DE NO DISCRIMINACIÓN**

El Distrito Escolar 70 del Condado de Pueblo no discrimina ilegalmente por motivos de raza, credo, color, sexo, orientación sexual, identidad/expresión de género, estado civil, origen nacional, religión, origen nacional, edad, discapacidad, necesidad de servicios de educación especial, información genética, estado de embarazo o parto, u otro estado protegido por la ley en la admisión o acceso, tratamiento o empleo en sus programas o actividades educativas. Además, la falta de habilidades en el idioma inglés no es una barrera para la admisión o participación en actividades. Las consultas sobre ADA, Sección 504, Título VI y Título IX pueden dirigirse al Superintendente de Escuelas, 301 28th Lane, Pueblo, Colorado 81001. 719-295-6548 o krein@district70.org

## RYE HIGH SCHOOL STAFF

### **Administrative Staff:**

Mr. Matt DeJong	Principal
Mr. Matt Addington	Asst. Principal/Athletic and Activities Director
Mrs. Stephanie Guilliams	Counselor
Mrs. Aneysa Guilliams	Secretary - Administrative Office
Mrs. Chelsea Wiant	Secretary - Student Services

### **Instructional Staff:**

Mrs. Kacie Anglin	Fine Arts
Mr. Ethan Beeman	Vocational Agriculture
Mr. T.J. Blackhurst	Science
Mrs. Wendy Chandler	Math
Mrs. Stasi Dale	Special Education
Mrs. Kathy Dodge	Science/PE
Mr. Cole Estes	Social Studies
Mr. Stacey Graham	PE/Health/Weights
Mrs. Paula Hoffman	Special Education
Mrs. Karen Hopkins	Language Arts
Mrs. Anna Jordan Snarich	Math
Mr. Conner Pigg	Social Studies
Mr. Luis Pineda	Foreign Language
Mr. Dave Ressel	PLTW
Mrs. Shayla Simpson	Language Arts
Mr. Ian Watson	Music

### **School Support Team:**

Mr. Bryce Biefel	ESS Paraprofessional
Mrs. Sherri Caughfield	Nurse Assistant
Mr. Adorian Coseriu	Night Custodian
Mrs. Karen Davis	Speech-Language Pathologist
Mrs. Audra Dunkin	ESS Paraprofessional
Mrs. Nicole Gibbs	Food Service
Ms. Lottie Indgjer	Food Service
Mrs. Michelle Indgjer	Nurse Assistant
Mr. Brandon Pool	Day Custodian
Ms. Jessica Ragan	ESS Paraprofessional
Mrs. Ashley Stock	Food Service Manager
Mr. Jake Stewart	Groundsman & Maintenance
Mrs. Tina Valdez	School Nurse
Mr. Paul Vialpando	School Psychologist
Mr. Tony Vinci	Information Technology Technician
Ms. Vicky Zapien	ESS Paraprofessional

### **Athletics**

Mrs. Kortney Sorensen	Athletic Trainer for All Sports
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### **Head Coaches:**

Mr. Ian Martinez	Boys' Golf
Mr. T.J. Blackhurst	Cross Country
Mr. Conner Pigg	Football
Mrs. Michele Roy	Girls' Volleyball
Mr. Clay Klipfel	Boys' Basketball
Mr. Bruce Walton	Girls' Basketball
Mr. Billy Forell	Wrestling
Mr. Stacey Graham	Baseball
Mr. Conner Pigg	Boys' Track
Mrs. Catherine Gallegos	Girls' Track
Mrs. Erin Ruiz	Girls' Golf
Mr. John Crowell	Girls' Soccer

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## **District 70 Vision Statement**

The vision of Pueblo School District 70 sees our schools as a place where all children and adults are valued, similarities and differences are addressed, individuals are respected, and all children are treated as our most valuable resource and best hope for the future. We see a safe and trusting environment where children and adults are actively engaged in lifelong learning. We see a partnership with our schools and communities that flexibly responds to the educational needs of all learners in an ever-changing world.

## **Rye High School Vision Statement**

Members of the Rye High School community are: responsible, balanced, capable, and productive leaders of a global society who engage in life-long learning, compassion, perseverance, and teamwork.

## **Rye High School Mission Statement**

**WE BELIEVE...** in positive attitudes and challenges,  
**IN** integrity through learning,  
**THE** use of technology and innovation, and the  
**THUNDERBOLT** traditions of school and community.

## **Accreditation**

Rye High School is accredited by the Colorado Department of Education Accreditation process.

## Graduation Requirements

Minimum graduation requirements for all students who attend high schools of School District 70 shall be as follows:

1. Twenty- five (25) credits shall be required to graduate from a School District 70 high school.
2. Four years of attendance shall be required unless early graduation or senior release is applied for and approved in keeping with Board and individual school policies.
3. All students will be required to take course work that meets Colorado State Standards in the following areas:
  - English Language – 4 credits (English 1, English 2, English 3, English 4), English must be taken all four years.
  - Mathematics – 3 credits (credits must include course work in Algebra 1, Geometry & Statistics)
  - Science – 3 credits (credits must include a life science, physical science and elective science)
  - Social Studies – 3 credits (US History, World History, US Government/Economics)
  - Physical Education – 1.5 credits (one (1) credit must be earned in a physical education class; the other half may be earned from participation in athletics, marching band or cheer.)
  - Health – 0.5 credits
  - Senior Seminar – 0.5 credits
  - Electives – 9.5 credits

### **Career and College Readiness Measures** *(Began with the graduating class of 2021)*

The Colorado State Board of Education has adopted state graduation guidelines that identify Career and College readiness measures in English and Math. The Board has selected its own measures from these state graduation guidelines. Full implementation of these state graduation guidelines went into effect for students graduating in the 2021-22 school year and beyond.

For additional information regarding Rye High School's measures, see pages 8 & 9.

For further information from District 70, visit the following link:

[https://www.district70.org/pdf/Board\\_Policies/IA-JML\\_Instruction/IKB-IKFB\\_homework\\_and\\_graduation/IKF-2%20Graduation%20Requirements%20.pdf](https://www.district70.org/pdf/Board_Policies/IA-JML_Instruction/IKB-IKFB_homework_and_graduation/IKF-2%20Graduation%20Requirements%20.pdf)

For further information from the Colorado Department of Education, visit the following link:

<https://www.cde.state.co.us/postsecondary/graduationguidelinesmenuofoptions09-21-22pdf>

## English

Students must complete at least one of the following measures and meet or exceed the measure's corresponding cut score or criteria to demonstrate Career and College Readiness in English.

Measure	Cut Score / Criteria
Accuplacer Assessment	Score of at least 62 on Reading Comprehension.
ACT Assessment	Score of at least an 18 on English.
Advanced Placement (AP) Exam that demonstrates English readiness.	Score of at least 2.
Armed Services Vocational Aptitude Battery (ASVAB)	Score in at least the 31 <sup>st</sup> percentile.
International Baccalaureate (IB) exam that demonstrates English readiness.	Score of 4.
SAT Assessment	Score of at least 430 on English.
Concurrent enrollment course that demonstrates English readiness, as approved by the district and included in the student's academic plan of study or Individualized Career & Academic Plan (ICAP)	Grade of at least a C.
Industry Certificate that demonstrates academic and intellectual learning in the subject area of English.	<p>Through concurrent enrollment with the Colorado Community College System, all Pueblo School District 70 high school students have access to Career &amp; Technical Education programs of study which offer industry recognized certificates or degrees upon completion of the program of study requiring applied Mathematics and English courses will serve as an adequate demonstration of Career &amp; College readiness in English and/or Math.</p> <p>Industry Recognized Certificates earned through trade apprenticeships or specialized career-specific training such as information technology, manufacturing technology or hospitality and tourism, for example, will also be considered for acceptance as demonstrations of Career &amp; College readiness in English and Math.</p> <p>The high school communities along with the District instructional team will decide which certificates to accept as demonstrations of Career &amp; College readiness based upon an evaluation of the curriculum of the program of study or the components of an industry training program, as well as verification that the student has been granted certification by an appropriate certifying entity.</p>
District capstone project that demonstrates academic and intellectual learning in the subject area of English.	In addition to completion of approved capstone projects, the District will consider above average accomplishments in Career & Technical Student Organizations (CTSO) Performance or Objective Completion Events as demonstrations of Career & College readiness in English or Math.

**Math**

Students must complete at least one of the following measures and meet or exceed the measure’s corresponding cut score or criteria to demonstrate Career and College Readiness in Math.

Measure	Cut Score / Criteria
Accuplacer Assessment	Score of at least 61 on Elementary Algebra.
ACT Assessment	Score of at least an 19 on Math.
Advanced Placement (AP) Exam that demonstrates Math readiness.	Score of at least 2.
Armed Services Vocational Aptitude Battery (ASVAB)	Score in at least the 31 <sup>st</sup> percentile.
International Baccalaureate (IB) exam that demonstrates Math readiness.	Score of 4.
SAT Assessment	Score of at least 460 on Math.
Concurrent enrollment course that demonstrates Math readiness, as approved by the district and included in the student’s academic plan of study or Individualized Career & Academic Plan (ICAP)	Grade of at least a C.
Industry Certificate that demonstrates academic and intellectual learning in the subject area of Math.	<p>Through concurrent enrollment with the Colorado Community College System, all Pueblo School District 70 high school students have access to Career &amp; Technical Education programs of study which offer industry recognized certificates or degrees upon completion of the program of study requiring applied Mathematics and English courses will serve as an adequate demonstration of Career &amp; College readiness in English and/or Math.</p> <p>Industry Recognized Certificates earned through trade apprenticeships or specialized career-specific training such as information technology, manufacturing technology or hospitality and tourism, for example, will also be considered for acceptance as demonstrations of Career &amp; College readiness in English and Math.</p> <p>The high school communities along with the District instructional team will decide which certificates to accept as demonstrations of Career &amp; College readiness based upon an evaluation of the curriculum of the program of study or the components of an industry training program, as well as verification that the student has been granted certification by an appropriate certifying entity.</p>
District capstone project that demonstrates academic and intellectual learning in the subject area of Math.	In addition to completion of approved capstone projects, the District will consider above average accomplishments in Career & Technical Student Organizations (CTSO) Performance or Objective Completion Events as demonstrations of Career & College readiness in English or Math.

## **Graduation Exercises**

Students will not participate in graduation exercises unless they have earned all credits and have satisfied all requirements for graduation as prescribed by the District 70 Board of Education and the State of Colorado Department of Education. Seniors who have outstanding fines will **not** be allowed to participate in graduation ceremonies. Graduating students **must** attend the scheduled graduation practice to participate in the graduation ceremony. This practice is mandatory. Proper graduation attire must be worn, dress pants, shirt and shoes for men and a dress and dress shoes for women.

## **Guidance Office**

Guidance services are available to every student at Rye High School. Administration can help with educational planning, class scheduling, test score interpretation, occupational information, and scholarship and college applications.

## **Academic Dishonesty**

All schoolwork submitted for the purpose of meeting course requirements must represent the efforts of the individual student. Any form of academic dishonesty is prohibited. Academic dishonesty includes, but is not limited to: plagiarism (the use of another person's original ideas or writing without giving credit to the true author), forgery, allowing another person to copy one's own work, doing another person's class work, creating more than one copy of one's work for distribution, unauthorized copying of software, unauthorized use of hard copy or software to develop one's own software. Faculty and building administrators will have the responsibility for monitoring the above actions.

It is the responsibility of all faculty to monitor students' work to avoid any academic dishonesty and to administer consequences for such dishonesty. Students who display academic dishonesty in a class, the teacher is to meet privately with the student to address the dishonesty, give the student a zero for the assignment/test and contact the parent to notify him/her of the dishonesty and zero. For a second offense of academic dishonesty, the student should be given a zero on that assignment/test and be sent to Administration with an Office Referral. Where appropriate, parents shall be contacted as soon as practical to report any alleged academic dishonesty on the part of students.

All teachers will educate students as to what constitutes academic dishonesty and what is acceptable and unacceptable behavior in our schools. The Academic Dishonesty Policy shall be referenced in such education.

## Valedictorian / Salutatorian

To be considered for the Valedictorian and Salutatorian, a student must have the twenty-five credits required for graduation, a minimum of 10 quality points, and have satisfied all requirements for graduation as prescribed by the District 70 Board of Education and the State of Colorado Department of Education.. State Testing: Eligible students must have the following scores on the majority of tests administered during the four years of high school:

CMAS Science – Exceeded, Met; PSAT 9 – RW 410, M 450; PSAT 10 – RW 430+, M 480+; SAT – 1100+.

Each “exceeded” rating on a CMAS test will earn an additional 1-quality point.

<i>CMAS Science</i>	<i>PSAT 9</i>	<i>PSAT 10</i>	<i>SAT</i>
Exceeded	RW 410	RW 430+	1020+
Met	M 450	M 480+	900+

The person with the highest GPA and the most quality points will be the Valedictorian and the person with the 2nd highest GPA and quality points will be the Salutatorian. If there is a tie in the GPA, quality points will be used to separate/determine the valedictorian and salutatorian. There will be only one valedictorian and only one salutatorian unless GPA and quality points are equal in the valedictorian category and/or salutatorian category. Students enrolled in Early College are eligible for Valedictorian and/or Salutatorian honors. Any change out of Rye High School’s control will be adjusted appropriately, i.e. TCAP, CMAS, PARCC, PSAT9, PSAT10, ACT, SAT changes are state mandated.

## Gold Cord Graduate

3.8 + Grade Point Average

SAT score – 1020+

State Testing – refer to table above. Eligible students must have the scores listed on the majority of tests administered during the four years of high school.

Quality Points of eight (8) or higher.

## Silver Cord Graduate

3.45 – 3.79 Grade Point Average

SAT score – 900+

State Testing - refer to table above. Eligible students must have the scores listed on the majority of tests administered during the four years of high school.

Quality Points of eight (8) or higher.

Any student that did not take the SAT, CMAS, PSAT10, PSAT9 has to go through an appeals process to receive any of the above honors. (Appeal process does not include testing opt outs)

## Honor Roll

The Honor Roll is published every semester. There are three types of honor roll:

Distinction = 4.0, Academic = 3.6 to 3.99, Honor = 3.25 to 3.59.

## Grading System

The grading scale is: 100-90 = A, 89-80 = B, 79-70 = C, 69-60 = D, 59 and lower = F.

Class rank is computed on the basis of the cumulative grade point average and the number of students in the class.

Cumulative grade point average begins with the first semester of the ninth grade and is calculated using the following quality points: A = 4, B = 3, C = 2, D = 1, F = 0. (Note: Weighted classes are on a 5.0 scale.)

## Weighted Classes

Advanced Placement (A.P.) classes are the **only** weighted classes (5-point scale) offered by the school. One quality point is received for each AP course completed and passed.

## Quality Point Classes

The following classes receive quality points. One point is received for each of these courses completed and passed for valedictorian, salutatorian, gold cord, and silver cord status.

<b>ENGLISH</b> A.P. Language & Composition A.P. Literature English 1 Accel English 2 Accel English 3 Accel English 4 Accel	<b>SCIENCE</b> A.P. Biology A.P. Chemistry A.P. Environmental Science Advanced Placement Physics Anatomy and Physiology
<b>MATH</b> A.P. Statistics A.P. Calculus Algebra 2 Honors Geometry	<b>SOCIAL STUDIES</b> A.P. European History A.P. U.S. History Psychology World Geography
<b>LANGUAGE ELECTIVES</b> Spanish 2 Spanish 3	<b>OTHER ELECTIVES</b> Civil Engineering & Architecture Aero Engineering
<b>AGRICULTURE ELECTIVES</b> Advanced Welding Agricultural Fabrication Agricultural Leadership Food Processing & Safety A Intermediate Vet Science Landscape & Construction Maintenance Metal Fabrication Plumbing and Electrical Installation	<b>SAT COMPOSITE SCORE</b> 1240-1270: 1 quality point 1280-1300: 2 quality points 1310-1340: 3 quality points 1350-1380: 4 quality points 1390-1410: 5 quality points 1420-1440: 6 quality points 1450-1480: 7 quality points 1490-1510: 8 quality points 1520-1550: 9 quality points 1560-1590: 10 quality points 1600: 11 quality points
<b>FINE ART ELECTIVES</b> Animation II Ceramics II Commercial Photography II A Commercial Photography II B Crafts II Digital Media II Foundation of Design II Graphic Design II	<b>CMAS</b> Exceeded: 1 quality point  <b>OTHER</b> Concurrent Enrollment Advanced Placement Courses

These classes are subject to change. Classes may be deleted, but additional classes may also be added for quality points. Students can only receive one quality point per class/course title. If courses are repeated under the same title, no additional quality points will be given.

### **Transfer of Credit from an Accredited School or Home School**

Students transferring from an accredited school or home school must show an official transcript in order to receive credits, class ranking and a cumulative grade point average.

### **Transfer of Credit from a Non-Accredited School**

Students transferring from non-accredited educational institutions may or may not meet the district standards established for satisfactory progress and graduation. When a student from a non-accredited school, including a home-based educational program, applies for admission, the process outlined for Rye High School will be followed. Student will be tested and show passed work from previous educational program. State Assessment and SAT results will be taken into consideration. After this process has been completed and the student has been registered and appropriately placed in a District 70 high school, he/she is required to meet graduation requirements from that point on. Once placed in a District 70 school, the student cannot receive home school credits for a partial year without an accredited home school program. Exceptions to this policy may be requested for medical or emergency reasons only.

### **Leaving School Before End of Grading Period**

Students who leave school before the end of a grading period risk losing credit. Students will not be guaranteed an advanced final test nor will there be any assurance of full credit. We strongly encourage every student to attend all classes for the full grading period.

### **Class Failure**

If a student fails a required class, the student must earn this credit through another source at the student's expense. Credit may be earned at summer school, online or through a correspondence course.

### **Guidelines for Taking Summer School, Correspondence Classes, Online Classes**

1. District 70 students may use summer school, correspondence courses, or on-line courses to make-up deficient credits only; these are classes that have been taken at RHS, completed and failed. Classes that are required and offered at RHS will not be replaced with summer school, correspondence or on-line courses. Students are expected to take all required courses at Rye High School. Algebra 1 credit is available through middle school with the appropriate form. Geometry credit is available for middle school students with the appropriate form who take the class at a District 70 high school.
2. Summer school, correspondence courses, or on-line courses will not be used to replace or remove a previous passing grade for the same class.
3. If a student repeats a class, credit will only be used once toward graduation requirements.
4. Applications for summer school, correspondence classes, and on-line courses must be approved and signed by the counselor.
5. Home school students deciding that they want their diploma from RHS have to take their core courses from RHS.

### **Schedule Changes**

The student, parent(s), and counselor must approve a student's schedule. Schedule changes will be made during the Add-Drop Period. If a student feels a change is absolutely necessary, the counselor will be available to discuss the desired change with the student. Ultimately, however, any change of schedule will have to be authorized by parent's signature (or by phone) and by the counselor. The counselor will provide add/drop forms for you.

### **Withdrawals**

A student leaving the community or withdrawing from school for any reason should visit the counselor immediately. When the parents or guardians clear the withdrawal request, the student will be issued a Withdrawal Form in the office. This form is to be taken to each teacher, the librarian, food service manager and the ER room for up-to-date grades, returning of books and computer. Payment of financial obligations and final clearance will be handled in the office. This procedure is necessary to insure that your record at Rye High School will be left in good standing.

### **Partial Absence Policy**

The staff at Rye High School is committed to providing four years of quality education to its students. We encourage all students to maintain a full schedule to enhance their education. However, a partial absence (PA) is permitted for each semester for **seniors only**. The absence must be taken during the first or last class period. Parent permission is required. Students with a PA must leave campus during that time or be under the supervision of an RHS staff member.

### **Aide Positions**

There are two types of aide positions at the high school. Credit is earned according to the amount of time scheduled. Students receive a satisfactory(S) or unsatisfactory(U) grade. Elementary Aide and Library Aide positions are available to sophomores, juniors, or seniors. Teacher and Office Aide positions are available only to juniors and seniors. Teachers are allowed one (1) teacher aide per semester. Space is limited for all aide positions. Elementary aides are limited based on Rye Elementary needs. This number can vary each semester.

### **Transcripts**

Requests for sending transcripts to colleges or prospective employers may be made to the school counselor. There may be a nominal charge for this service.

### **Change of Information**

Please report any change of information (i.e. new phone number, different home or mailing address, change of physician) to the office immediately. It is also vital for the school to have the current employer, address, and phone number for both parents and guardians in case of emergency.

### **Immunizations**

All students enrolled in District 70 must be properly immunized. Colorado law does not allow a student to be enrolled unless they present documentation of current immunizations. If you have questions concerning this, please contact the school nurse through the office.

## **Fees, Field Trips, Costs Associated with Courses Offered**

### **General Information**

Students and their parents/guardians need to be aware that there may be certain costs or fees associated with the different courses offered in District No. 70 schools. These fees are utilized to offset expenses connected with these classes and the activities or materials used to enhance the overall educational component of the specific classes. Any fees connected with the courses will be noted in the course guides from which students select their classes for upcoming semesters. Teachers in those classes will also make known to students the costs of these fees and what they are specifically designed to cover. Should any student experience legitimate difficulty or inability to pay these fees, a process of providing assistance is available. These students may either contact their teacher directly or the principal's office at their school for assistance.

While students are encouraged to participate in either the activities or to benefit from the materials purchased through the payment of these fees, they should also be aware that no academic penalty of any kind may be levied against those students who are unable to pay the fees on time or to pay the fees at all.

### **Field Trip Disclaimer**

A field trip may be associated with a course. In accordance with District No. 70 policy regarding field trips and fees, the cost of this trip may be passed along to the individual students in the class who participate in the field trip. This cost includes the per mile expense of the vehicle used for transportation as well as the per hour cost of the driver.

All students are encouraged to participate in the enhanced educational opportunity this trip represents. Should the student be either unwilling or unable to participate in the field trip or to pay for the cost of the trip, alternatives exist regarding assignments as well as payment of the fee. Please see the teacher of the class or the building principal for details.

## COURSE DESCRIPTIONS

### **ADVANCED PLACEMENT BIOLOGY** (will satisfy graduation requirement for Science)

Prerequisite: Biology 1, Chemistry 1

Grade Level: 11th – 12th

Credit: 1 credit

This course is equivalent to a freshman level college biology course. Topics include: the chemistry of life, cell structure and function, heredity, genetics, evolution, biological diversity, animal form and function, and ecology. The course includes a laboratory component. The course will prepare students to take the AP Biology exam, if desired. This course is available for college credit through CSU-Pueblo. The college credit is optional and must be paid by the student.

### **ADVANCED PLACEMENT CALCULUS AB** (will satisfy graduation requirement for math)

Prerequisite: Pre-Calculus/Trigonometry

Grade Level: 11th – 12th

Credit: 1 credit

This course is taught at a rigorous pace. Time outside of class is needed for successful completion of the workload. Good study habits and attendance will be crucial for student success. AP Calculus is an intense math course, which covers limits, derivatives, definite integrals, indefinite integrals and applications of those topics. This course assumes the use of graphing calculators. The school has a limited supply of these. Students are strongly encouraged to get one of their own. Students may choose to take the AP Calculus exam in the spring and may earn college credit depending on their score.

### **ADVANCED PLACEMENT CALCULUS BC** (will satisfy graduation requirement for math)

Prerequisite: AP Calculus AB, with a passing grade of C or better and teacher recommendation

Grade Level: 11th – 12th

Credit: 1 credit

This course is taught at a rigorous pace. Time outside of class is needed for successful completion of the workload. Good study habits and attendance will be crucial for student success. AP Calculus is an intense math course, which covers limits, derivatives, definite integrals, indefinite integrals and applications of those topics. This course assumes the use of graphing calculators. The school has a limited supply of these. Students are strongly encouraged to get one of their own. Students may choose to take the AP Calculus exam in the spring and may earn college credit depending on their score.

### **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE** (will satisfy graduation requirement in science)

Prerequisite: Chemistry 1 – Highly Recommended

Grade Level: 11<sup>th</sup> – 12<sup>th</sup>

Credit: 1 credit

This course is the study of the interactions and relationships of organisms to their environment. The scientific fields of biology, chemistry, geology, hydrology and ecology contribute to the study of factors influencing life processes. This class will be based on “hands on” experiential learning and field trips to the Greenhorn Creek test site. Students interested in careers in forestry, wildlife biology, environmental engineering and related fields are encouraged to take this class.

### **ADVANCED PLACEMENT LANGUAGE AND COMPOSITION** (will satisfy graduation requirement for English)

Prerequisite:.....Recommendation of English 3 teacher or counselor

Grade Level: 12th

Credit: 1 credit

Students will read, analyze, and evaluate nonfiction selections from an introductory college-level text as well as several auxiliary sources in a program designed to ensure success on the College Board Advanced Placement exam offered for college credit. Writing will include a variety of formal essays, and shorter timed writings. A research paper will extend these skills. Students may earn 3 college credits (ENG 121) through the dual credit option with PCC or take the AP Literature exam in the spring (both options involve a cost). Summer reading is required and can be picked up from the instructor before the preceding year concludes.

**ADVANCED PLACEMENT LITERATURE AND COMPOSITION** (will satisfy graduation requirement for English)

Prerequisite: .....Recommendation of English 2 teacher or counselor

Grade Level: 11th

Credit: 1 credit

Students will read, analyze, and evaluate a variety of literary genres from college level texts designed to ensure success on the College Board Advanced Placement Literature and Composition exam offered for college credit. Students may earn 3 college credits (LIT 115) through the dual credit option with PCC or take the AP Literature exam in the spring (both options involve a cost). Summer reading is required and can be picked up from the instructor before the preceding year concludes.

**ADVANCED PLACEMENT PHYSICS** (will satisfy graduation requirement for science)

Prerequisite: Algebra II with a C or better, 9th and 10th science class or teacher recommendation

Grade Level: 11th – 12th

Credit: 1 credit

This course in physics is intended to be a survey of a variety of topics in the field. I intend the class to function as a taste test for various types of engineering for those considering a career in engineering. However, the class will also serve students considering careers in fields as diverse as medicine, architecture, or law. Although mathematics will certainly be a common thread uniting our journey into different physical arenas, we will NOT strive for algorithmic or formulaic understanding. We will devote class time to moving around the room, participating in both formal and informal experimentation, observing demonstrations in and outside of the classroom, and always focusing on the physical principles behind the problems we encounter. We will also focus on using accurate English to describe our hypotheses and conclusions.

The College Board has broken the class down into five general areas of study.

1. Newtonian Mechanics (35%)
2. Fluid Mechanics and Thermal Physics (15%)
3. Electricity and Magnetism (25%)
4. Waves and Optics (15%)
5. Atomic and Nuclear Physics (10%)

Please note that while success on the AP test may best be pursued by spending exaggerated time on mechanics and minimizing our study of heat, fluids, and modern physics, we will spend significant time on these topics as well in order to meet the goal described above. I also believe such a varied approach will increase the amount of satisfaction and enjoyment you derive from the course.

**ADVANCED PLACEMENT STATISTICS** (will satisfy graduation requirement for math)

Prerequisite: Pre-Calculus/Trigonometry

Grade Level: 11th – 12th

Credit: 1 credit

This course is taught at a rigorous pace. Time outside of class is needed for successful completion of the workload. Good study habits and attendance will be crucial for student success. Topics covered include: “Exploring Data,” Sampling and Experimentation,” “Anticipating Patterns,” and “Statistical Inference.” Students will learn the relationships between all parts of the statistical process. Students will use graphing calculators and other technology in order to better understand these processes and be able to analyze their results more effectively. Through class 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 must be prepared to spend whatever time and energy is required to understand the material. This course requires the use of graphing calculators. The school has a limited supply. Students are encouraged to get one of their own. Students may choose to take the AP Statistics Exam in the Spring and may earn college credit depending on their score.

**ADVANCED PLACEMENT US HISTORY** (will satisfy graduation requirement for social studies)

Prerequisite: US History and World History

Grade Level: 11th and 12th

Credit: 1 credit

AP US History 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. 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 may choose to take the AP US History exam in the spring and may earn college credit depending on their score.

**ADVANCED WELDING**

Prerequisite: Ag Mech 1

Grade Level: 10th-12th

Credit: 1 credit

This course builds on the fundamentals of Ag Mech 1. Students will study safety, maintenance and the fundamentals of operation and calibration of basic farm machinery. Students will acquire advanced welding skills including GTAW and plasma cutting. Students will choose a project with teacher approval and complete a daily journal on the plans and progress of the project. **\$25.00 Class Fee.**

**AEROSPACE ENGINEERING**

Prerequisite:.....Introduction to Engineering Design (IED) and Principles of Engineering (POE)

Grade Level: 11th-12th

Credit: 1 credit

Aerospace Engineering is a high school level course that is appropriate for 11<sup>th</sup> and 12<sup>th</sup> grade students who are interested in design and engineering. The major focus of the AE course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal

**AGRICULTURAL FABRICATION**

Prerequisite: Ag Mechanics 1

Grade Level: 11th-12th

Credit: 1 credit

Students will develop a large-scale project. Students will draw up blueprints for this project, develop a bill of materials, and build it. Students will be able to use any tool that is available to them within the shop after they receive the correct training. This project can be metal, wood, or a combination of the two. The project will have to be paid for up front by the student so as to acquire supplies and materials. The project can be as large as a full size trailer, down to home furniture. The bigger the project, typically the more expensive. If the one project takes the entire time a student has to build throughout the 2 semesters that is great. Students will be graded on diligence and work attitude. Students will be given a goal to reach everyday. Students will be graded on their ability to reach the goal. If a student chooses to build multiple small projects, blueprints and bills of materials will be developed for each project. **\$25.00 class fee.**

**ALGEBRA 1** (will satisfy graduation requirement for algebra)

Prerequisite: None

Grade Level: 9th-12th

Credit: 1 credit

Algebra 1 is the first year of the traditional high school program. Topics include operations with real numbers; solving and graphing linear and quadratic equations and linear inequalities; functions; operations with polynomials; geometric relationships; and probability and statistics. A scientific calculator is recommended.

**ALGEBRA 2** (will satisfy graduation requirement for algebra)

Prerequisite:.....Algebra 1.

Grade Level: 10th-12th

Credit: 1 credit

Algebra 2 completes the traditional three-year high school program. It is recommended for any student planning to attend college. Topics include solving and graphing quadratic, exponential, and logarithmic equations; functions; operations with polynomials and real and complex numbers; transformation geometry, conics, and probability and statistics. A scientific calculator with graphing capabilities is recommended.

**AMERICAN GOVERNMENT** (required for graduation)

Prerequisite: World History and US History

Grade Level: 11th-12th

Credit: 1/2 credit

Emphasis will be given to the functions and relationships of the legislative, executive, and judicial branches of the federal and state governments. The role of the United States in international affairs and organizations, current, national, state and local problems confronting the three levels of government will be discussed. The electoral process and the citizen's role in political functions as well as the citizen's role in making democracy work through involvement in the political process will be studied.

**ANATOMY/PHYSIOLOGY** (will satisfy graduation requirement for science)

Prerequisite: Biology

Grade Level: 10th-12th

Credit: 1 credit

Students study the human body anatomy and physiology. This class is useful to students who wish to learn more about their own bodies and to those planning careers in the medical and athletic fields. \$10.00 Lab Fee.

**ANIMATION 1 A**

Prerequisite: None

Grade Level: 10th-12th

Credit: 1/2 credit

Animation I is an introduction to traditional animation. This course covers essential knowledge, skills, and concepts required for postsecondary fields of study. Upon completion of this course, students are able to describe various careers within animation, as well as admission requirements for postsecondary fields of study in Colorado. Students will digitally create both 2D animations and 3D computer-generated animations. The basic principles of design and animation will be covered that have been used by professionals. Students will have drawing assignments to help them in character design, layout, and story development. With the approval of the instructor, students may have the choice to complete major projects in either 2D or 3D.

**ASTRONOMY** (will satisfy graduation requirement for science)

Prerequisite: Biology 1

Grade Level: 10th-12th

Credit: 1/2 credit

This course is Physics based Astronomy and requires a large amount of math and physics to understand the concepts. This course will give the student knowledge of the astronomy principles and some history of astronomy as a science.

**BAND**

Prerequisite: Previous playing experience

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1/2 or 1 credit

Students will learn and perform various styles of music and will focus on the development of instrumental musical skills. Performances outside of school will be required. The band will perform at all home football games (fall semester) and all home basketball games (spring semester) as well as concerts and festivals. Honor Band fees may be paid by the student. T-Shirt fee of \$15 - \$20.

**BIOLOGY 1** (required for graduation)

Prerequisite: None

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1 credit

Students will study the characteristics of living things. Laboratory work is designed to help students understand the concepts. Thinking skills are improved as students work with and evaluate data. Reading and writing skills are stressed along with data collection and interpretation.

**BOTANY** (will satisfy graduation requirement for science)

Prerequisite: Biology

Grade Level: 10th-12th

Credit: 1/2 credit

This course presents basic concepts of plant biology, focusing on the plant characteristics, unity and diversity, growth, and reproduction. Students discuss current ideas in agriculture, horticulture, medicine, biotechnology, ecology, conservation, and environmental issues.

**CERAMICS 1**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

The course will enable students to recognize the properties, possibilities and limitations of clay by creating artworks using hand-building techniques and possibly electric wheel. Project assignments will stress craftsmanship, following the assignment guidelines, and creativity. Pinch pot bowls, coil building assignments, and slab constructions are building techniques that students will work with. Clay related vocabularies are studied along with a few art history terms. Students will be exposed to verbal and written critiques of assignments so they may begin to develop a better understanding of evaluating the merits of a work of art. Student will also learn about glazing and kiln firing the clay projects they create. Materials: \$30.00 price for materials (clay, paint, firing and glazing), apron or old shirt, sketchbook.

**CHEMISTRY 1** (will satisfy graduation requirement for science)

Prerequisite: Earth Science, Biology and Geometry.

Grade Level: 10th-12th

Credit: 1 credit

Chemistry 1 will cover a variety of chemistry topics including properties of matter, the periodic table, atomic structure, bonding, chemical reactions, biochemistry, and nuclear chemistry. It includes laboratory work and data handling. The course is designed to help students develop higher thinking skills. One year of chemistry is recommended for college bound students.

**CIVIL ENGINEERING AND ARCHITECTURE (CEA)**

Prerequisite: Intro to Engineering Design and Principles of Engineering

Grade Level: 11<sup>th</sup> – 12<sup>th</sup>

Credit: 1 credit

Students learn important aspects and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

**COLORADO STATE UNIVERSITY-PUEBLO**

Prerequisite: Accuplacer/ACT/SAT, Concurrent Enrollment Request Forms, COF, sufficient credits, approval of counselor, contract and parent permission.

Grade Level: 11th-12th

Credit:.....1 credit high school and CSU-Pueblo credits

Fall applications due the 1st Friday of May.(Due dates may vary)

Spring applications due the 1st Friday of December. (Due dates may vary)

Course work offered in: English, Mathematics, Science and Social Studies

If you are interested in this program, please the counselor for more information.

**COMIC BOOK DESIGN** (will satisfy graduation requirement for computer literacy)

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

Welcome to Comic Book Design. Comics and graphic novels are one of the world's greatest storytelling media: we're going to learn how to read them, how to talk about how they get made and how they work, how to understand and how to enjoy the kinds of comics and graphic novels that make up the history of this medium. We will also learn several different techniques in creating comics/graphic novels. You will create your own comic book at the end of the semester following the TSA guidelines and rules. Your book can be entered into the TSA competition.

**COMMERCIAL PHOTOGRAPHY I & II** (will satisfy graduation requirement for computer literacy)

Prerequisite: None

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1/2 credit

This course in digital photography is designed to develop your skills in pixel based photographic design and printing. This power will be used to create, edit, post and share your images electronically. Students will become proficient at the technical aspect of photography with a digital camera and working with those images including digital editing, saving, sizing, posting and printing of the images; develop and practice skills using digital photography tools and the internet including posting photos to Flickr; learn to shoot with digital cameras, and learn to maximize the quality of the output from them; to appreciate more about the "Photographer's Art" through the study of historic and contemporary trends and to apply that appreciation to your own work; to develop the habit of looking closely at the visible world around you in order to represent it in terms of aesthetics and truth. Materials: Digital camera, 8gb thumb drive, Flickr account, \$10.00 for paper and ink to print projects and matte projects for art shows.

**CONCERT CHOIR**

Prerequisite: Previous vocal experience preferred.

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1/2 credit

Students will learn and perform various styles of choral music and will focus on the development of vocal skills to include warm-ups, sight singing, music notation, rhythm and performance. Participation in concert performances is required. Honor Choir fees may be paid by the student.

**COOKING**

Prerequisite: None.

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1/2 credit

This course will teach students about the basics in cooking and baking, students will learn everything from what supplies they need for getting started to reading recipes and planning meals. Students will be provided with a basic understanding of what it means to be in the kitchen and sources for additional information to foster a lifetime of culinary growth. Students will also learn how to budget for food and plan meals for families. Materials: \$30.00 to buy food for cooking projects.

**CRAFTS**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

This course will study arts and crafts through different countries, including jewelry making, masks, mosaics, etc. Students will learn about the crafts of different countries and why they create the art that they do, then students will create their own piece based on what they have learned. Materials: \$25.00 will be used to buy materials for each project and it is cheaper to buy in bulk.

### **CREATIVE WRITING 1**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

Emphasis will be on writing for expression, enjoyment, and publication. Students will study various genres of writing mainly in the areas of poetry and short stories. They will also learn to give and take constructive criticism.

### **DIGITAL MEDIA**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

This course offers students firsthand experience with technology and techniques used by professionals in various graphic design and advertising fields. Adobe Photoshop introduces students to photo-manipulation as well as approaches to rendering objects and creating drawn compositions. Adobe Illustrator works off of the students' gained knowledge from Adobe Photoshop as another tool to use in creating drawn compositions, rendering objects and developing corporate identities. Adobe InDesign allows students to successfully create page layouts such as they would find in magazines, advertising posters and other print media. Students develop creative problem solving abilities related to the field of graphic design through the use of digital media, computer programs, digital cameras and flatbed scanners. The perfect class for anyone interested in learning about digital imaging, graphic design and advertising. Materials: \$10.00 for paper and ink to print projects and matte projects for art shows.

### **DRAMA**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

This course will develop artistic perception, creative expression, and aesthetic valuing; to develop the ability to connect and apply what is learned in drama to other art forms, subjects, and careers. In this course, students will learn theatre terminology for the stage, acting, directing, and technical aspects of production. Much of the course content will be studied through active, hands-on projects. Students will learn to do acting warm-ups, improvisations, monologues, and two-, three, and four-person scenes. Students will read and analyze scenes and plays. Finally, students will research artists in the theatre and attend and review at least one live performance and one movie per semester. Students will also participate in the Drama class production.

### **DRAWING**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

Drawing students will develop their observation and accuracy skills as they progress through a variety of classroom assignments such as personal still life's, perspective drawings, portraiture, figure drawing and landscapes. A wide range of drawing media will be used as students' complete assignments. Students will continue to develop compositional understanding by applying the elements and principles of design to their sketches/drawings.

Materials: \$25.00 will be used to buy materials for each project and it is cheaper to buy in bulk.

### **EARTH SCIENCE** (will satisfy graduation requirement in Science)

Prerequisite: None

Grade Level: 9th-12th

Credit: 1 credit

Students study the characteristics of the earth, the weather, the solar system, and the water cycle. Thinking skills are improved as students investigate the effects of human activity, scientific advancement, and technology upon the earth's resources and our society.

**ECONOMICS** (required for graduation)

Prerequisite: World History and US History

Grade Level: 11th-12th

Credit: 1/2 credit

Students will learn about the American economic system emphasizing business and personal decision-making skills. Students will explore career opportunities and come in contact with representatives from the business community.

**ENGLISH 1** (will satisfy graduation requirement in English)

Prerequisite: None

Grade Level: 9th

Credit: 1 credit

This course is required of all freshmen. The course is designed to help students gain essential skills in reading, writing, speaking and listening. It introduces students to various types of literature. Also students participate in a library orientation activity to learn library and research skills.

**ENGLISH 2** (will satisfy graduation requirement in English)

Prerequisite: English 1

Grade Level: 10th

Credit: 1 credit

This course is required of all sophomores except those enrolled in Accelerated English 2 or E. H. English. The class is designed to further familiarize students in writing styles, techniques and rhetorical forms. Literature will be based around novels, plays and model essays. The student will write a research paper at this level.

**ENGLISH 3** (will satisfy graduation requirement in English) NOT NCAA APPROVED

Prerequisite: English 2

Grade Level: 11th

Credit: 1 credit

This course is required for all juniors except those enrolled in E.H. English, Accelerated English 3, AP Literature or AP Language. The course is designed to introduce students to American literature while working to improve their communications and critical reading skills and preparing for the SAT/ACT exam. A research paper is required.

**ENGLISH 4** (will satisfy graduation requirement in English) NOT NCAA APPROVED

Prerequisite: English 3

Grade Level: 12th

Credit: 1 credit

This course is required of all seniors except those enrolled in Accelerated English 4, E.H. English, AP Literature or AP Language. The class is a course in world literature, and will prepare the student for the communications required in the post-secondary and work environment. Also students will enhance their library skills by completion of a research paper.

**ENGLISH 1 ACCELERATED** (will satisfy graduation requirement in English)

Prerequisite: Teacher recommendation

Grade Level: 9<sup>th</sup>

Credit: 1 credit

This course will fulfill the freshmen English requirement. The course is designed to help students gain essential skills in reading, writing, speaking and listening. It introduces students to various types of literature. Also students participate in a library orientation activity to learn library and research skills. The class will move at a more rapid rate and we will read more novels and do more extensive writing assignments.

**ENGLISH 2 ACCELERATED** (will satisfy graduation requirement in English)

Prerequisite: English 1 and Teacher approval

Grade Level: 10th

Credit: 1 credit

This course is designed to meet the needs of advanced sophomores. Students will cover the subject matter at an accelerated pace. Emphasis will be on writing styles, techniques and rhetorical forms. Students will write a research paper.

**ENGLISH 3 ACCELERATED** (will satisfy graduation requirement in English)

Prerequisite: English 2 or English 2 Accelerated

Grade Level: 11th

Credit: 1 credit

This course is designed to meet the needs of juniors with advanced language skills. Through modern and classic American literature the student will investigate the novel, short story, poetry, play, film, lyric, etc. Twenty-first century literacy skills as well as formal and personal written composition will be emphasized. A research paper is required.

**ENGLISH 4 ACCELERATED** (will satisfy graduation requirement in English)

Prerequisite: English 3 or English 3 Accelerated

Grade Level: 12th

Credit: 1 credit

This course is especially valuable for students going on to college. The class is a course in world literature and will emphasize the forms of written communication including critical thinking/writing skills, the personal essay, and research paper preparation, construction and revision. In addition, the course will explore universal themes through various literary forms. A research project is required.

**FOOD PROCESSING & SAFETY A**

Prerequisite: Agri – Sciences 2

Grade Level: 11th-12th

Credit: 1 credit

Agricultural Education in Colorado is delivered through seven pathways: Animal Science, Plant Science, Power Structure and Technical, Natural Resources, Food Products and Processing, Agri-Business and Environmental Service. Students will be introduced to all seven of these subjects. Students will do so by performing hands on skills found within the Agricultural Industry. This may include skills that some students cannot handle due to graphic nature or physical labor. Neither of these will excuse students from the activity. If a student decides they are not capable they will be required to write a minimum five-paragraph report on the skill explaining why, with participation, this has the potential to be a very enjoyable and memorable class, due to the fact that it is hands on. \$25.00 class fee.

**FOUNDATION OF DESIGN**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

Watercolor and Acrylic Painting explores the various techniques used in preparing for and creating watercolor and acrylic paintings. Color theory is closely examined in all aspects of this course so that students better understand how various colors are made and how they relate to one another in a visual composition. Students will explore *plein air* painting by going outside and create studies of the landscape around them that will in turn be developed into a final watercolor painting. By using their knowledge of color theory and compositional development, students will create abstract and realistic acrylic paintings. Historical and contemporary painters work will be explored to examine individual development, style, technique and problem solving approaches. Students will develop all of the skills necessary to prepare and sketch watercolor paper as well as construct and stretch canvas for acrylic painting. Materials: \$25.00 will be used to buy materials for each project and it is cheaper to buy in bulk.

**GEOLOGY** (will satisfy graduation requirement for science)

Prerequisite: Biology 1

Grade Level: 10th-12th

Credit: 1/2 credit

This course will focus on physical geology: mineralogy, plate tectonics, geomorphology, geological hazards, planetary evolution, paleontology, sedimentary processes, and economic geology.

**GEOMETRY** (will satisfy graduation requirement in geometry)

Prerequisite:.....Algebra 1 completed and passed with a C or better.

Grade Level: 9th-12th

Credit: 1 credit

Geometry is the second year of the traditional high school program. Topics include review and extension of algebra concepts, point-line-plane relationships, angle relationships, polygons, congruence, similarity, quadrilaterals, coordinate geometry, probability, geometric transformations, and basic triangle trigonometry. Logical justification of statements is stressed though formal proof is de-emphasized. A scientific calculator is recommended.

**HEALTH** (required for graduation)

Prerequisite: None

Grade Level: 9th

Credit: 1/2 credit

The overall goal of the health program is to provide secondary school students with knowledge, skills and understandings that will enable them to act on behalf of themselves and others in health-enhancing ways. The program frames adolescent health tasks and is designed to help students contribute to their own present and future health and well being, and that of the families, schools, and communities to which they belong. The program emphasizes self-assessment, communication, decision-making skills, health advocacy, and self-management. Class activities and topics will be exciting and upbeat to meet today's teen's needs. Optional \$3.00 fee for CPR card certification.

**INTERMEDIATE VET SCIENCE**

Prerequisite: Agri – Sciences 2

Grade Level: 11th-12th

Credit: 1 credit

Agricultural Education in Colorado is delivered through seven pathways: Animal Science, Plant Science, Power Structure and Technical, Natural Resources, Food Products and Processing, Agri-Business and Environmental Service. Students will be introduced to all seven of these subjects. Students will do so by performing hands on skills found within the Agricultural Industry. This may include skills that some students cannot handle due to graphic nature or physical labor. Neither of these will excuse students from the activity. If a student decides they are not capable they will be required to write a minimum five-paragraph report on the skill explaining why, with participation, this has the potential to be a very enjoyable and memorable class, due to the fact that it is hands on. \$25.00 class fee.

**INTRODUCTION TO ENGINEERING DESIGN (IED)** (will satisfy graduation requirement for computer literacy)

Prerequisite: None.

Grade Level: 9th-12th

Credit: 1 credit

Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

**JOURNALISM** (will satisfy graduation requirement for computer literacy)

Prerequisite: C grade or better in English

Grade Level: 10th-12th

Credit: 1/2 credit

{Course may be taken for credit for more than 1 year.}

The course covers techniques of layout, copyrighting, photography, and design. Skills learned are immediately applicable to publication production. The makeup and production of the Rye Thunderbolt's yearbook is one of the main functions of the class. Students will be responsible for taking photos for their yearbook page that they will be developing in class. Students also create and write the school newsletter. The newsletter consists of articles and pictures produced by the students. Interest or experience in photography, writing and art or design.

### **MARCHING BAND**

Prerequisite: Permission by Instructor/audition

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1/2 credit

Marching Band provides students with a balanced comprehensive study of music and is a support system to help build school spirit and pride while maintaining musical integrity and physical conditioning. The semester consists mostly of physical marching activities and is concluded with a winter concert at the end of the semester providing a smooth transition to the spring semester. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. All members of the marching band program are required to participate in the Concert Band class during the spring semester unless special arrangements are made with the director. The sections of the Marching Band include but are not limited to Drum Major, Pit, Drum line, Horn line and Color Guard. Extra rehearsals are scheduled on an arranged basis with a minimum of 5 extra hours of rehearsal scheduled outside of the school day each week during the marching season as scheduled by the director (Tuesday/Wednesday TBD). All members of the band are encouraged, but not required, to study privately. Attendance is required at all rehearsals, performances and competitions unless excused by the Director as they are used as assessment tools. Membership in the marching band as instrumentalists is open to all students with previous band experience in grades 9-12 or by permission of the director. An audition for placement may be required. Preliminary chair placement as well as specific assignments and positions in the show will be made periodically throughout the semester at the discretion of the director. The marching band typically performs for all home football games, away football games when funding is available, at pep assemblies, and other regional marching contests or performances as determined by the director. Fees will be determined by the teacher as explained in the band handbook.

### **MUSIC TECHNOLOGY** (will satisfy graduation requirement for computer literacy)

Prerequisite: No prior musical experience is needed, however, having training on an instrument or voice is helpful.

Grade Level: 9<sup>th</sup> - 12<sup>th</sup>

Credit: 1/2 credit

This is an introductory course in the principles of audio sound recording. Topics include: sound waves, acoustics and the audio spectrum, console and signal flow, equalization and compression, microphones and their placement, effects, digital audio formats and MIDI basic concepts. Students' digital literacy and technical abilities will be advanced through collaborative projects. 21<sup>st</sup> Century job market opportunities: film scoring, commercial advertising, media production, acoustic engineering, TV/radio production, e-media/web production, electronic systems design, music composing and arranging. Students will: record and arrange songs, create podcasts, add music/sound effects to movies, mix music, create their own instrumental recordings, with Apple loops. They will learn about audio equipment such as, microphones, wires, connectors, amps, stomp boxes, soundboards. Students will discover and explore introductory concepts used in music sequencing, notation and recording, effects of stagecraft, such as, audio work on live musical/play/drama presentation/music concerts as well as lighting. The Piano Marvel Lab in Rye will be utilized.

### **PHYSICAL EDUCATION** (will fulfill graduation requirement in PE)

Prerequisite: None

Grade Level: 9<sup>th</sup>-12<sup>th</sup>

Credit: 1/2 credit

This course will be designed to improve student physical fitness. Students will learn about various lifetime and team sports.

### **PLUMBING & ELECTRICAL INSTALL**

Prerequisite: Agri Sciences 2

Grade Level: 11<sup>th</sup>-12<sup>th</sup>

Credit: 1 credit

Students will utilize welding skills and other skills learned earlier in Ag Ed courses. Students will learn the basis of structural mechanics as well as personal project production. Skills covered include plumbing, electrical, construction, metalworking, engine systems, some welding and tool use. **\$25.00 Class Fee.**

### **PRE-ALGEBRA**

Prerequisite: Assigned by school.

Grade Level: 9th-12th

Credit: 1 credit

Pre-Algebra is a bridge between arithmetic and algebra. Students learn the operations, add, subtract, multiply, and divide with integers, fractions and decimals. Students will solve and write multi-step equations with variables. They will solve equations with inequalities ( $>$ ,  $<$ ), and work with basic probability and statistics.

### **PRINCIPLES OF AGRICULTURAL POWER STRUCTURE & TECH A**

Prerequisite: Agri – Sciences 1

Grade Level: 10th-12th

Credit: 1 credit

Agricultural Education in Colorado is delivered through seven pathways: Animal Science, Plant Science, Power Structure and Technical, Natural Resources, Food Products and Processing, Agri-Business and Environmental Service. Students will be introduced to all seven of these subjects. In this class students will take an in depth look at Power Structure and Technical, Animal Science and Plant/Soil Science. \$25.00 class fee.

### **PRINCIPLES OF ANIMAL VETERINARY SCIENCE**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1 credit

Agricultural Education in Colorado is delivered through seven pathways: Animal Science, Plant Science, Power Structure and Technical, Natural Resources, Food Products and Processing, Agri-Business and Environmental Service. Students will be introduced to all seven of these subjects. By doing so we will be able to determine which pathways will be taught more in depth throughout the next 3 years of the Ag Ed Program experience. Students must have this class to go further into higher level Ag or Mechanics classes. \$25.00 class fee.

### **PRINCIPLES OF ENGINEERING (POE)**

Prerequisite: Introduction to Engineering Design (IED)

Grade Level: 10th-12th

Credit: 1 credit

Principles of Engineering (POE) is a high school level course that is appropriate for 10<sup>th</sup> and 11th grade students who are interested in design and engineering. Students explore science concepts, technology systems and engineering processes to find out how math, science, and technology help people. The course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes as they relate to scientific principles. Using activities, projects, and problems, students learn first hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

### **PSYCHOLOGY**

Prerequisite: US History

Grade Level: 11th-12th

Credit: 1/2 credit

This course is designed to help students better understand themselves and those around them. Topics such as personality, altered states of consciousness and abnormal behavior will be studied. Students will keep a personal journal and participate in numerous activities, which apply to the studied topics.

**PUEBLO COMMUNITY COLLEGE Guaranteed Transfer (GT)/Career & Technical Education (CTE)**

Prerequisite: PCC Accuplacer, PCC Application, COF, sufficient credits, approval of counselor, contract and parent permission.

Grade Level: 11th-12th

Credit: 1 credit high school and Pueblo Community College credits

Fall applications due the 1st Friday of May.(Due dates may vary)

Spring applications due the 1st Friday of December.(Due dates may vary)

Course work offered in:

Arts and Communications	Engineering and Industrial Technology
Business and Computer Technology	Health and Human Services
Welding and Machining	Certified Nursing Assistant

If you are interested in this program please visit the school counselor for more information.

**SCULPTURE**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

In this course students will develop compositional skills; they will work with design issues such as the use of the art elements and art principles. Students will learn to transform two-dimensional ideas into forms that engage space to create three dimensional artworks. Projects may include construction paper, packing tape, and wire and nylon sculptures among other ideas. This course will use a variety of techniques and materials to extend our learning. Materials: \$25.00 to cover cost of materials (glue, clay, carving tools, molds), sketchbook, at times students may be asked to bring various materials.

**SENIOR SEMINAR** (required for graduation)

Prerequisite: Must be a senior

Grade Level: 12<sup>th</sup>

Credit: 1/2 credit

This course is designed to give seniors an edge after they graduate. Seniors will complete a portfolio that includes sample business communications (resumes, etc.), career research, and other individualized assignments pertaining to post-graduate goals. All seniors will learn about finances (credit, budgets, etc.), and will research and apply for scholarships (College or Vocational/Trade School)

**SPANISH 1** (will fulfill college bound foreign language requirement)

Prerequisite: Incoming freshmen must have a C or better in 8th grade Language Arts

Grade Level: 9th-12th

Credit: 1 credit

Students will learn basic Spanish language, grammar, and culture. Students will have daily lessons, which will include oral and written skill development.

**SPANISH 2** (will fulfill college bound foreign language requirement)

Prerequisite: Incoming students must have a "C" grade or better in Spanish 1.

Grade Level: 9th-12th

Credit: 1 credit

Students will continue their studies of the Spanish language, grammar, and culture as well as developing oral, written, and listening skills. Spanish will be spoken 50% of the time.

**SPANISH 3** (will fulfill college bound foreign language requirement)

Prerequisite: Spanish 2

Grade Level: 10th-12th

Credit: 1 credit

Students will continue their studies of the Spanish language and grammar. Spanish III will include additional cultural and literary readings. Spanish will be spoken 100% of the time.

**SPEECH**

Prerequisite: None

Grade Level: 9th-12th

Credit: 1/2 credit

Speech is a class designed to give students practice and experience giving a variety of speeches. Listening skills are also taught, practiced, and evaluated. Positive peer evaluations are also an important part of the class.

**STATISTICS** (required for graduation)

Prerequisite: Algebra 1

Grade Level: 10<sup>th</sup>

Credit: 1/2 credit

This course introduces real world applications of statistics. Students learn about types of variables, and use graphing calculators to investigate and analyze single variable distributions including measures of central tendency. They also learn about the features of normal distributions and how to standardize and compare scores from differently scaled distributions. Then they explore relationships between two variables; graphically, numerically with the correlation coefficient, and through linear regression. Additionally, students learn about calculating the probabilities of independent and dependent events, permutations and combinations, and the importance of random sampling in collecting data.

**UNITED STATES HISTORY** (required for graduation)

Prerequisite: None

Grade Level: 9<sup>th</sup> – 12<sup>th</sup>

Credit: 1 credit

Students will study the discovery of our nation and the events of our history to the present time. The impact of the major significant events on this nation's economic, social, and political institutions will be studied, analyzed and discussed.

**WEIGHT TRAINING** (will satisfy graduation requirement for Physical Education)

Prerequisite: None

Grade Level: 9<sup>th</sup>-12<sup>th</sup>

Credit: 1/2 credit Standards: Physical Education, page 22

The object of this class is to improve the student's physical endurance, strength, and confidence.

Methods of improvement include weight training, agility drills, and information on diet and nutrition.

**WORK STUDY**

Prerequisite: Must have a job and approval of the counselor.

Grade Level: 12<sup>th</sup>

Credit: 1/2 to 1 credits

Credit is given for work outside the school. Work 135 hours in a semester (average 7.5 hours per week) equals 1/2 credit. Work 270 hours in a semester (average 15 hours per week) equals 1 credit. See counselor for details.

**WORLD GEOGRAPHY**

Prerequisite: United States History

Grade Level: 10<sup>th</sup> – 12<sup>th</sup>

Credit: 1 credit Standards: History, page 11

This course will emphasize political, cultural and physical geography. The student will learn the continents and the countries contained in them.

**WORLD HISTORY** (required for graduation)

Prerequisite: United States History

Grade Level: 10<sup>th</sup> – 12<sup>th</sup>

Credit: 1 credit Standards: History, page 11

Beginning with human existence, from prehistory, students will be introduced to basic themes that will help reveal patterns and connections among historical events throughout the ages. Students will explore the past, present and possible future relationship of the United States, its government and people, with the global community.

**ZOOLOGY** (will satisfy graduation requirement for science)

Prerequisite: Biology

Grade Level: 10<sup>th</sup>- 12<sup>th</sup>

Credit: 1/2 credit

This class will study the classification, evolutionary history, anatomy and physiology of animals.

Dissections will be a significant lab component of this class. \$10.00 Lab Fee.

**NONDISCRIMINATION STATEMENT**

Pueblo County School District 70 does not unlawfully discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity/expression, marital status, national origin, religion, age, disability, need for special education services, genetic information, pregnancy or childbirth status, or other status protected by law in admission or access to, or treatment, or employment in its education programs or activities. Additionally, a lack of English language skills is not a barrier to admission or participation in activities. Inquiries about ADA, Section 504, Title VI, and Title IX may be addressed to the Superintendent of Schools, 301 28 th Lane, Pueblo, Colorado 81001. 719-295-6548 or krein@district70.org

**DECLARACIÓN DE NO DISCRIMINACIÓN**

El Distrito Escolar 70 del Condado de Pueblo no discrimina ilegalmente por motivos de raza, credo, color, sexo, orientación sexual, identidad/expresión de género, estado civil, origen nacional, religión, origen nacional, edad, discapacidad, necesidad de servicios de educación especial, información genética, estado de embarazo o parto, u otro estado protegido por la ley en la admisión o acceso, tratamiento o empleo en sus programas o actividades educativas. Además, la falta de habilidades en el idioma inglés no es una barrera para la admisión o participación en actividades. Las consultas sobre ADA, Sección 504, Título VI y Título IX pueden dirigirse al Superintendente de Escuelas, 301 28th Lane, Pueblo, Colorado 81001. 719-295-6548 o krein@district70.org