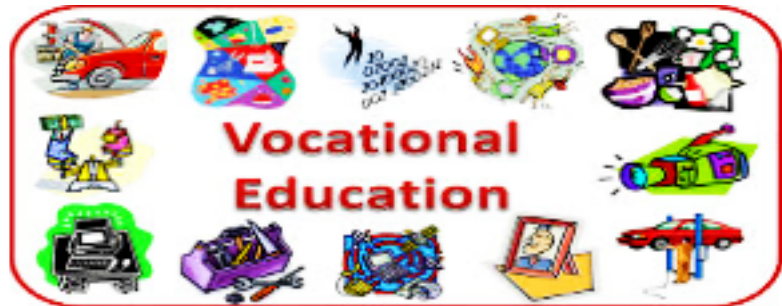




RAWLINS HIGH SCHOOL

Course Catalog 2020-2021



Fine Arts



Students graduating from Carbon County School District One will be expected to satisfy the following graduation requirements: earn a specific number of credit hours **by** demonstrating proficiency of the Wyoming Content and Performance Standards/Common Core Standards for each course.

English/Language Arts	8 (CREDITS)
Mathematics	6
Science	6
Social Studies	6
Physical Education (To include PE I and Health)	4
Fine/Performing Arts or Foreign Language or Vocational	5
Electives	<u>15</u>
Total	50 (CREDITS)

***Students and parents will be advised on all levels of the Hathaway Success Curriculum to make informed decisions regarding a path to graduation.**

STUDENT CLASSIFICATION

The number of semesters completed determines the grade level for students.

Sophomore	2 semesters completed
Junior	4 semesters completed
Senior	6 semesters completed

Credits earned, proficiency level, and completion of standards will determine graduation. It is possible for a student to be classified as a senior, and not be eligible for graduation.

STUDENTS ENROLLED PART TIME

Students that are enrolled part time (less than five periods per semester) at Rawlins High School will be held to the same attendance policies as full-time students. Part time students will not loiter in the building during times they are not assigned to class. Part time students will also be held to eligibility rules if they choose to participate in RHS athletics/activities. However, part time students will not qualify for NHS, or other school awards.

APPROVED EARLY WITHDRAWAL FROM SCHOOL - POLICY "IKFA" (Early Graduation)

Students who wish to withdraw from school upon completion of minimum requirements may be allowed under the following circumstances:

1. Application must be made with the principal prior to December 1.
2. The student must have completed a minimum of seven semesters.
3. The student must complete all graduation requirements.

STUDENT WITHDRAWAL FROM SCHOOL

If a student drops out of school for a semester or any part of a semester, reinstatement requires approval of the high school principal. A student who has dropped out of school a second time may not be reinstated in school without a review by the Superintendent and approval of the School Board.

HATHAWAY SCHOLARSHIP

Hathaway scholarships are designed to provide an incentive for Wyoming students to prepare for and pursue post-secondary education within the state of Wyoming. The program consists of four separate merit scholarships, each with specific eligibility requirements, and a need-based scholarship for eligible supplements the merit awards they earn.



Set up an appointment to meet with your Counselor for any questions about the Hathaway requirements, your progress towards graduation, or identify which courses qualify for Hathaway Success Curriculum

** Some math and foreign language requirements may be met in 8th grade. If coursework is not indicated on your high school transcript, please submit an official middle school transcript*

Admission to University of Wyoming

If you're a high school senior or graduate and new first-year student, or have fewer than 30 transferable semester college credit hours, you'll need:

- A cumulative, unweighted high school GPA of 3.0 (on a 4.0 scale)
- A minimum composite ACT score of 21 or SAT* score of 1060
- Completion of the success curriculum while attending high school

HIGH SCHOOL SUCCESS CURRICULUM

4 years English

*4 years Math**

To include a college preparatory Algebra I, Algebra II, and geometry sequence.

4 years Science

One year must be from the physical sciences: physics, chemistry, or a college preparatory physical science course. Remaining years may be a combination of biological, life, physical, or earth/space science courses.

3 years Social Science

*2 years of same Foreign Language**

2 years Additional Coursework

Chosen from fine and performing arts, social and behavioral studies, humanities, additional foreign language, or career-technical courses.

* Some math and foreign language requirements may be met in grades 7 and 8. If coursework is not indicated on your high school transcript, please submit an official junior high school transcript.

UW welcomes qualified home school students!

- Home school students must meet the same requirements as other high school graduates.
- The home school instructor should complete the Home School Credit Evaluation Form and send it to the Admissions Office.

UW welcomes students with General Education Development (GED) credentials!

- Applicants must have an average/overall score of at least 164 on the GED test.
- Applicants less than 21 years old must submit ACT or SAT results to the Admissions Office.
- Applicants must be a minimum of 18 years of age or his or her high school class must have graduated.

ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

CORE COURSES

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit eligibilitycenter.org/courselist for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

DIVISION II

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your grade-point average based only on the grades you earn in NCAA-approved core courses.

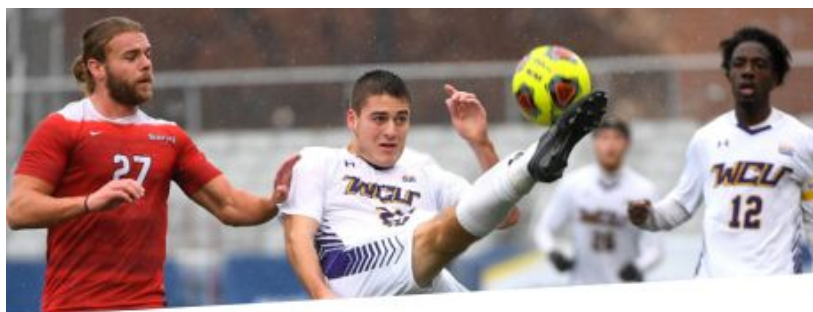
- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about test scores at ncaa.org/test-scores.

TEST SCORES

You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code 9999 to send your scores directly to us from the testing agency. We accept official scores only from the ACT or SAT, and won't use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score.



HIGH SCHOOL TIMELINE

9TH GRADE



- *Start planning now!* Take the right courses and earn the best grades possible.

- Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist.
- Sign up for a free Profile Page at eligibilitycenter.org for information on NCAA requirements.

10TH GRADE

REGISTER



- If you fall behind academically, ask your counselor for help finding approved courses you can take.

- Register for a Profile Page or Certification Account with the NCAA Eligibility Center at eligibilitycenter.org.
- Monitor your Eligibility Center account for next steps.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

11TH GRADE



- Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.

- Take the ACT or SAT and submit your scores to the NCAA Eligibility Center using code 9999.
- Ensure your sports participation information is correct in your Eligibility Center account.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

12TH GRADE



- Complete your final NCAA-approved core courses as you prepare for graduation.

- Take the ACT or SAT again, if necessary, and submit your scores to the NCAA Eligibility Center using code 9999.
- Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your NCAA Eligibility Center account at eligibilitycenter.org.
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your NCAA Eligibility Center account.
- *Reminder:* Only students on an NCAA Division I or II school's institutional request list will receive a certification.

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

9TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

10TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

11TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

12TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

For more information: ncaa.org/playcollegesports | eligibilitycenter.org

Search Frequently Asked Questions: ncaa.org/studentfaq

Follow us: @NCAAE

@playcollegesports

@ncaaec

TESTING INFORMATION

The following assessments are given each year at Rawlins High School. These assessments provide a variety of information to assist students in better preparing for their future: i.e. measurement of achieved skills, identification of aptitudes, assessment of student interests and career potential, and admission or placement in college, technical school, or the military.

ACT – American College Test

The ACT is important for admissions and proper placement in college. The ACT is the preferred admissions test for most colleges and universities in the United States. The ACT is administered per national test dates at Rawlins High School and/or the Carbon County Higher Education Center in October, December, February, and April. All students can take the ACT as many times as desired, and it is recommended that college-bound students take it again in October and/or December of their senior year. RHS offers paid vouchers for all students to take the ACT for free once per school year. The State of Wyoming requires every 11th grade student to take the ACT in the spring of their junior year for school accountability purposes.

SAT – Scholastic Aptitude Test

The SAT is primarily used for admissions and placement at colleges on the East Coast, West Coast, and US Military Academies. The SAT is administered per national test dates and enrollment at Rawlins High School in October, November, December, March, and May.

ASVAB – The Armed Services Vocational Aptitude Battery

This battery of tests provides career and vocational information which can be used for enlistment into any branch of the military and/or to further refine individual four-year plans. This test is offered to juniors and seniors in the fall.

PSAT – Preliminary Scholastic Aptitude Test

The PSAT is given as a qualifying exam for several scholarships, including the National Merit Scholarship, and to familiarize students with college entrance testing (i.e. ACT, SAT) practices and procedures. The PSAT is offered to juniors in October.

WYTOPP – Wyoming Test of Proficiency and Progress

The Wyoming Test of Proficiency and Progress (WYTOPP) is a system of interim, modular on-demand, and summative assessments in English Language Arts, Mathematics, and Science. The WYTOPP interim assessments in reading and mathematics are administered in the fall and winter to all 9th and 10th grade students. The WYTOPP writing assessment is administered to 9th grade students only. The WYTOPP science assessment is administered to 10th grade students only. The WYTOPP summative assessments are required by the State of Wyoming for accountability. They are administered in late spring to all 9th and 10th grade students only. The WYTOPP summative assessments are online adaptive assessments for Math, English Language Arts, and Writing. The Science assessment will be a fixed form online assessment.

***For more information on tests, test registration, or test prep materials please see the counselor or visit the Rawlins High School Counseling website via <http://www.crb1.net/>**

WWCC DUAL/CONCURRENT ENROLLMENT PROCEDURES

Eligibility

- The student meets the course entrance requirements, and/or the prior course work required by colleges before enrolling in a dual/concurrent course.
- The student is a high school junior, senior, or has the permission of a high school official.
- The student has permission from their parent(s) or guardian(s) and a designated school official.

Enrollment

All students must visit with the guidance counselor, as well as Carbon County Higher Education Center staff, to complete enrollment each semester.

College Coursework:

To see a list of Hathaway-approved college courses, meet with your counselor.

Credits for College Coursework: All coursework taken under the dual/concurrent enrollment agreement will be reflected on student transcripts. If a student intends to replace a high school credit with college coursework, he or she must meet with the counselor prior to enrollment in those courses.

Dropping/Failing Classes

If a student drops a class or earns any grade below a C (70%>), they will not be allowed to take college level classes for high school credit the following semester. Students may, however, enroll in college classes with the understanding that the high school will not pay for the classes, and the classes will not count as high school credit.

**Any exceptions to these procedures will be strictly at the discretion of administration and may include, but will not be limited to, additional eligibility requirements such as a specific GPA or ACT score.*

RHS COURSE OFFERINGS

FINE/PERFORMING ARTS

VISUAL ART

ART I

Art 1: Full Year (includes Painting I, Semester 2)

The objective of this course is to learn the elements and principles of art and proper use of two-dimensional materials. This course is focused on achieving state standards and greater skill sets. Art 1 is intended for students interested in art and who desire to excel in this field of fine arts. This class will focus on drawing, coloring, state standards in production, applications to life, cultural and art history, and analysis of work.

ART II

Art 2: Full Year

Prerequisite: Successful completion of previous course

The first quarter objective of this course is a higher level of two-dimensional work and materials. The second quarter objective is to introduce printmaking. The third quarter objective is higher level of painting. The fourth quarter objective is to introduce ceramics. Skills are refined and expanded upon using various materials. Design principles and elements will be examined and applied to assignments. Students will be working in printmaking, clay, photography, drawing, and mixed media/painting. Students will produce artwork, analyze their work, and make connections to history. They will start establishing an art portfolio during this course. Regular assignments will be in the form of sketchbook drawings.

ART III & IV

Art III & IV Full Year

Prerequisite: Successful completion of previous course

The objective of this course is to incorporate a higher level of work focusing on creative portfolios. The student will continue working on their portfolio through individual contracts that are established by the student and the instructor. Students are expected to produce art work allowing them to refine skills within the interest mediums of the student, analyze their work, and make connections to history. These courses are for students who are self-motivated to learn and compete. Regular assignments will be in the form of sketchbook drawings.

ART PORTFOLIO:

Full Year Teacher Recommendation Only.

The objective of this course is to incorporate a higher level of work focusing on creative portfolios. Students establish a body of work to continue their art endeavors in their post-secondary education. This course allows students to pursue art interest areas as possible careers or course of study. This course will also include mentoring to younger Art students.

VOCAL MUSIC

****All choirs are a year-long commitment! ****

CONCERT CHOIR

Prerequisite: NONE

Concert Choir is designed to meet the needs of all students interested in vocal music, regardless of prior experience. Emphasis of study will be the development of proper vocal techniques, music fundamentals, sight-singing skills, and performance practices. This is a performing ensemble, so students will perform in four concerts during the school year.

TREBLE CHOIR

Prerequisite: One Year in Concert Choir OR Audition

Treble Choir is for female students who have some choral experience, or who have shown more advanced singing skills at their audition. Emphasis of study will be continued development and refinement of proper vocal techniques, music fundamentals, sight-singing skills, and performance practices. Students will perform in four concerts during the school year and participate in the District Festival in the spring semester. Students are required to purchase their own dresses for the ensemble. Fundraising opportunities will be made available throughout the year.

SYMPHONIC CHOIR

Prerequisites: At least one semester of High School Choir Experience OR Audition

Symphonic Choir is an upper level SATB performance ensemble. Students must audition prior to registration and have at least one semester of experience in high school choir to be a part of this ensemble. Symphonic Choir will focus primarily on standard concert choir literature. Emphasis of study will be the continued development and refinement of proper vocal techniques, music fundamentals, sight-singing skills, and performance practices. Students will perform in four concerts during the school year and participate in the District Festival.

JAZZCO

Prerequisites: High School Choir Experience OR Audition

JazzCo is an upper level SATB ensemble that provides students with experience singing jazz and pop in choral setting. Emphasis of study will be the continued development and refinement of proper vocal techniques, music fundamentals, sight-singing skills, improvisation and performance practices. Students will perform in four concerts during the school year. JazzCo will also perform publicly and for school activities and events. Students are required to purchase their own uniforms for the ensemble. Fundraising opportunities will be made available throughout the year.

THEATER ARTS

Prerequisite: NONE

Students in stage productions will learn skills they need to know to produce a play or musical. If you are interested in acting, building, costuming, lighting, etc. this is the class for you. Emphasis of study is based around creativity, resourcefulness, open-mindedness, and courage.

ADVANCED THEATER ARTS

Prerequisite: Theater Arts

Students in Advanced Theater Arts will build on the skills they gained in Theater Arts while also specializing in one or two areas of theater. Students may choose from acting, costumes, make-up, set design, lighting, stage management, and musical theater. Students will assist with either the Fall play or Spring musical depending on semester enrolled and have a part in designing the show based on their specific focus.

MUSIC – INSTRUMENTAL

CONCERT BAND (Only wind instruments should register for this class. Percussionists should register for the partner class: Percussion Ensemble.)

Prerequisite: Students wishing to rejoin band or join for the first time must put in practice time with the instructor and demonstrate commitment to learning an instrument prior to enrollment.

Concert Band is a year-long instrumental ensemble with an emphasis on performance. This class includes participation in Marching Band during the fall semester. Marching Band is a requirement of this class and cannot be bypassed. Students will develop proper technique on their instrument and fundamentals in reading music that will help students' personal skills as a musician. Students will perform musically with quality tone production, rhythmic accuracy, dynamics, articulations, accurate pitch, and phrasing which will result in outstanding ensemble performances. This is a performing ensemble and as such, students will perform in two concerts a year (winter and spring), and other performances including various festivals and pep band. Students will be required to purchase some equipment related to this class including, but not limited to: marching shoes, marching gloves, flip folder, lyre, reeds, etc.

PERCUSSION ENSEMBLE

Prerequisite: Students wishing to rejoin band or join for the first time must put in practice time with instructor and demonstrate commitment to learning an instrument prior to enrollment.

Percussion Ensemble is a year-long partner class with the concert band, but only for percussionists. Students in this class are still a part of the concert band, but this is the class they register for. This class includes participation in Marching Band during the fall semester. Marching Band is a requirement of this class and cannot be bypassed. It is an instrumental ensemble with an emphasis on performance. Students will develop proper technique on their instrument and fundamentals in reading music that will help student's personal skills as a musician. Students will perform musically with proper technique, rhythmic accuracy, dynamics, articulations, and phrasing which will result in outstanding ensemble performances. This is a performing ensemble and as such, students will perform in two concerts a year (winter and spring) and other performances including festivals and pep band. Students will be required to purchase some equipment related to this class including, but not limited to: marching shoes, marching gloves, sticks, mallets, etc.

JAZZ BAND

Prerequisite: Prior instrumental music experience.

Jazz Band is an upper level performance ensemble that provides students with experiences in playing jazz music. Students will not only perform jazz but will get an overview of the past and present trends in jazz history with an emphasis on major figures and styles central to the development of jazz. Students will study and apply the principles of jazz improvisation as they relate to chord structures, scales, and style. This is a performing ensemble and as such, students will perform in two concerts a year (winter and spring) and other performances, including jazz festivals.

MUSIC APPRECIATION

Open to all students regardless of musical background. May not be taken twice in the same year and only twice in 4 years.

All students will be educated in the basic elements of music. Students will also be instructed in how to be aware of these elements when listening to a wide variety of styles of music, including rock and roll, hip hop, blues, jazz, classical, and movie soundtracks. Students will be able to express their own tastes in music and develop a respect for others tastes, as well. Students do not need a musical background to be successful in this course, but all students must have an open mind and a desire to learn.

ROCK AND ROLL STUDIES

Open to all students regardless of musical background. May not be taken twice in the same year and only twice in 4 years.

History of Rock and Roll is a course designed to familiarize students with the history of rock music. Prominent players and groups of each era will be covered, as well as sociological, economic, and cultural factors that shaped the many styles of rock music. Classroom activities will include listening, performing, analyzing, writing, class discussions, research, and presentations.

LANGUAGE ARTS

The course offerings in the Language Arts program has been structured to encompass and emphasize reading, written and oral communication, as well as reinforcing the importance of vocabulary building, formal register, and grammatical accuracy.

***IN ALL CASES, STUDENTS MUST SUCCESSFULLY COMPLETE THE COURSE REQUIREMENTS OF EACH GRADE LEVEL.**

ENGLISH 9

English 9 is required for ALL 9th grade students.

English 9 is a required, year-long Language Arts course designed for the freshman year with an emphasis on writing. It follows the beginning literacy requirements in the Wyoming Common Core 9-10 Standards for Reading, Writing, Speaking, Listening, and Language.

ENGLISH 10

English 10 is required for ALL 10th grade students.

English 10 is a required, year-long Language Arts course designed for the sophomore year. It follows the literacy requirements in the Wyoming Common Core 9-10 Standards for Reading, Writing, Speaking, Listening, and Language.

ENGLISH 11

English 11 is required for ALL 11th grade students.

English 11 is a required, year-long Language Arts course designed for the junior year. It follows the beginning literacy requirements in the Wyoming Common Core 11-12 Standards for Reading, Writing, Speaking, Listening, and Language.

ENGLISH 12

English 12 is required for ALL 12th grade students.

English 12 is a required, year-long Language Arts course designed for the senior year. It completes the literacy requirements as put forth in the adopted Common Core 11-12 Standards in Reading, Writing, Speaking, Listening, and Language. First semester will focus on creative writing and second semester will focus on communication skills and public speaking

WWCC ENGLISH 1010 & 1020

Dual enrollment courses are semester-long and follow the syllabus of WWCC for ENGL 1010, 1020, or other courses as needed. Students will receive both WWCC college credit and an equivalent RHS English credit. Students must have a score of 18 on the ACT ENGLISH and/or ACT READING assessment to enroll in these courses. Students will have to score a C or better to receive college credit for this course. *These courses are available through WWCC only.

FOREIGN LANGUAGE

The study of a foreign language is open to all students, but it is strongly recommended that a student have a “B” average in English before undertaking a foreign language and it is not recommended that freshmen students take a foreign language unless by teacher recommendation. Two years of the same foreign language is recommended and required by many colleges and universities.

SPANISH I

Open to 10th through 12th grades.

Spanish I is designed to enable students to develop basic skills in communication, listening, speaking, reading, and writing. In addition, students will gain some cultural awareness of the Hispanic world. There will be a continuous focus on learning common vocabulary and expressions, along with simple grammar structures. This will occur through a variety of learning activities. The student will learn to improve their pronunciation of Spanish through more detailed attention to Spanish sounds.

SPANISH II

Prerequisite: Spanish I

Spanish II reinforces the basic communication skills taught during Spanish I. These skills are improved through more advanced learning activities. Additional grammar structures are presented to aid the student in understanding the language and have a greater control of the language through speaking and writing. A greater insight into the customs and traditions of Hispanic nations will be gained. There will also be a focus on improving accent through speaking and listening.

SPANISH III

Prerequisites: Spanish I and Spanish II

Spanish III is a high-level conversational class that will have two main focuses: grammar and literature. A variety of grammar principles will be reviewed and practiced during the first semester. Emphasis will be placed on learning and communicating about different pieces of Hispanic literature that will be covered in the second half of this course.

AP SPANISH LANGUAGE AND CULTURE: DEPENDING UPON ENROLLMENT NUMBERS

Prerequisite: Teacher Approval Only

Provides students opportunities to interact with Spanish in the three communicative modes: Presentational (presenting information), Interpersonal (interacting with others), and Interpretive (understanding information). These modes will be accessed through reading, writing, listening, and speaking Spanish. Students will access the language and learn about various cultures through authentic materials such as videos, recordings, podcasts, and journalism. The class will be focused on helping students engage with the language in meaningful, realistic ways. The class will be taught in Spanish and students will be expected to use Spanish in class to complete classroom tasks as we seek to create an atmosphere of Spanish immersion. Attendance, participation, and work completion are essential to being successful.

MATHEMATICS

Correct placement of freshmen students is an important factor in a student's success in mathematics classes. Teacher recommendations will provide the information necessary for placement of students.

The exact placement of freshman math students will be based on a data based screening process, which includes, but is not limited to, student classroom success, teacher recommendation from middle school instructors, and standardized assessment data.

Most high school mathematics classes are sequential, and for that reason students must meet the standards for a given class. Consequently, students may have to repeat a class prior to going to the next level class. To increase the student's chance for success at a higher level, math classes may be repeated, however, credit will be given only once for a repeated course. For example, if Algebra I repeated, credit will be given for the semester that the student has earned the highest grade. Math teachers and counselors will help in the placement of students.

PRE- ALGEBRA- Teacher recommendation only

This course content is an introductory course which prepares students for Algebra I. The topics covered include: integers, solving equations and inequalities, fractions, exponents, ratio and proportion, percent, linear functions, and probability.

ALGEBRA I

Prerequisite: Pre-Algebra or teacher recommendation.

This year-long course content includes, but is not limited to: integers, equations, graphing linear equations, inequalities, data analysis, simultaneous equations and problem solving; including geometric application.

GEOMETRY

Prerequisite: Algebra I

This year-long course will include: the study of points and lines, angles, if-then statements, reflections, polygons, transformations and congruence, triangle congruence, measurement formulas, three-dimensional figures, surface area and volumes, coordinate geometry, similarity, logic and indirect reasoning, vectors, and circles.

ALGEBRA II

Prerequisites: Algebra I and Geometry

This year-long course will include: the study of equations, inequalities, functions, systems of linear equations and inequalities, matrices, determinants, quadratic functions, polynomials, polynomial functions, quadratic relations and conic sections, sequences and series, and probability and statistics. This course will provide enrichment for the advanced math student beyond the basic standards.

CONSUMER MATH

Prerequisites: Algebra I and Geometry (Open 12th graders only). Offered by teacher recommendation only

This course fulfills RHS graduation requirements for Rawlins High School. It does not fulfill the credit requirement for some colleges and universities and DOES NOT qualify as credit for the Hathaway Scholarship.

This year-long course content will include: budgets, banking, income tax, stocks and bonds, insurance, and other topics. Vocational Math will involve real world applications such as welding, construction, and other topics.

FINANCE MATH: DEPENDING UPON ENROLLMENT NUMBERS

Prerequisites: Teacher Recommendation only (11th or 12th).

This year-long course content will include: banking, income tax, stocks and bonds, insurance, and other topics. Recommended for students who are strong in math and are looking to pursue a degree/career in business.

PRE-CALCULUS /TRIG

Prerequisites: Successful completion of Algebra I, Geometry, and Algebra II

The year-long course content includes, but is not limited to: logarithm problems, trigonometric identities, infinite series, conic sections, matrices and determinants, echelon solutions, the proofs of geometry in two-column form, and similar polygons. At this level, students are ready to analyze the abstractions of the concrete problems they have practiced. This course will provide enrichment for the advanced math student beyond the basic standards.

MATH 930 INTERMEDIATE ALGEBRA

Prerequisites: MATH 0920 (C or better); or MATH 0720 (B or better) and MATH 0760 (B or better), or ALEKS score of 30-45, or ACT Math score of 21 or higher.

Offered by teacher recommendation only. This is a dual course and students will receive both high school and college credit for math. (*This is considered a developmental course.*)

Techniques of algebra with applications. Builds upon the concepts and skills developed in MATH 0920. Topics include an introduction to functions and relations, solving quadratic equations, rational expressions and equations, radical expressions and equations, solving inequalities, and graphing.

MATH 1400 COLLEGE ALGEBRA

Prerequisites: Pass Algebra II with a minimum grade of a C and an ACT Math Score of 23 or better, OR ALEKS score of 35-45.

Offered by teacher recommendation only. This is a dual course and students will receive both high school and college credit for math.

Emphasizes algebra topics which are important in preparation for the study of calculus, especially functions and their graphs. Topics include polynomial functions, exponential and logarithmic functions and equations, inequalities, and systems of equations. A graphing calculator may be required in some sections.

MATH 1405 Trigonometry

Pre-requisites: MATH 1400 (C or better), OR ACT Math of 25 or higher, OR ALEKS score of 61-75.

This is a dual course and students will receive both high school and college credit for math.

Emphasizes trigonometry and other topics important in preparation for the study of calculus. Topics include angles, right triangle trigonometry, trigonometric functions and their graphs, trigonometric equations, trigonometric representation of complex numbers, and applications. Other topics may be included, as time permits. A graphing calculator may be required in some sections.

CALCULUS/AP CALCULUS AB

Prerequisite: Pass Precalculus with C or better and an ACT math score of 26 or better.

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these

representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

CALCULUS/AP CALCULUS BC

Prerequisite: AP Calculus AB with C or better

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

PHYSICAL EDUCATION

***Health, Physical Education I, and two additional physical education credits are required for graduation.**

HEALTH EDUCATION

One semester course required for graduation. This course is offered both semesters.

*****Students are required to take this course in their freshman year.**

The goal of this required course is to inform students of the dangers of priority health risk behaviors and avoid preventable disease. Units of learning will include mental & social health, tobacco, alcohol, drugs, infectious disease, and human sexuality issues including AIDS/HIV education, noninfectious disease, nutrition & dietary imbalances, dangers of physical inactivity, and safety & injuries. An emphasis will be placed on refusal skills and decision-making skills throughout the semester. It is the intention of this course that students be well informed of these issues and can make healthy, educated, and wise choices concerning health risk behaviors.

PHYSICAL EDUCATION I

One semester course required for graduation. This course is offered both semesters.

*****Students are required to take this course in their freshman year.**

This course will include the following areas: 1.) movement skills in rhythms, team activities, individual and dual activities and lifetime activities; 2.) critical skill cues in rhythms, team activities, individual and dual activities and lifetime activities; 3.) rules and strategies in team activities, individual and dual activities and lifetime activities; and 4.) Physical Fitness activities. Students are graded on daily participation, skills, written tests, and assignments. Units taught in this class may include, but are not limited to softball, volleyball, dance, pickleball, swimming, badminton, and fitness. This course will assess the physical education of students.

LIFETIME SPORTS/FITNESS

This course is offered both semesters. Open to all students.

****Students cannot take this course twice in the same year.**

Lifetime Sports is designed to develop an appreciation of lifetime activities. Students are introduced to many recreational sports, which may be played throughout their lives. The goals of the program are: 1.) To understand the importance of wellness and physical fitness in living a healthy lifestyle;

2.) To improve individual and dual sport skills; 3.) To develop a sense of self-discipline in relation to physical activity; and 4.) To develop a sense of sportsmanship and cooperation. Possible units may include, but are not limited to disc golf, horseshoes, tennis, Ping-Pong, racquetball, wally-ball, golf, archery, canoeing, kayaking, snorkeling, and badminton. Students are graded on daily participation, skills, written tests, and assignments.

TEAM SPORTS

This course is offered both semesters. Open to all students.

****Students cannot take this course twice in the same year.**

This course allows students an opportunity to improve skill level and an understanding of the rules for a multitude of team sports. Units taught in this class may include speedball, ultimate Frisbee, team handball, volleyball, basketball, flag football, water polo, and soccer. Students will be graded on daily participation, skills, written tests, and assignments.

HEALTHY LIFESTYLES

This course is offered both semesters. Open to all students.

***This class is not recommended for the competitive athlete who enjoys competition.**

Healthy Lifestyles provides students with a healthy approach to fitness development and lifetime activities. Weight training emphasis is on toning, not strength development. Cardiovascular conditioning will involve a variety of activities such as the walking trail, step aerobics, swimming, circuits and interval training. The goal of the program is to encourage the student to begin or continue a lifetime fitness program after he or she has completed the course, realizing the importance of a healthy lifestyle.

WEIGHT TRAINING 101F (Females Only)

This course is offered both semesters. Open to all female students and may be taken all eight semesters of high school.

This is a weight training and conditioning course offered to students with a serious interest in weight lifting and improving their personal fitness level. Students will be introduced to correct lifting techniques, safety in the weight room, and core and auxiliary lifts. The emphasis of this class is to build strength and power. Students will be graded on strength tests, strength gains, fitness tests, written tests, and daily participation.

WEIGHT TRAINING 101M (Males Only)

This course is offered both semesters. Open to all male students and may be taken all eight semesters of high school.

This is a weight training and conditioning course offered to students with a serious interest in weight lifting and improving their personal fitness level. Students will be introduced to correct lifting techniques, safety in the weight room, and core and auxiliary lifts. The emphasis of this class is to build strength and power. Students will be graded on strength tests, strength gains, fitness tests, written tests, and daily participation.

ZERO HOUR WEIGHTS-

Pre-requisites: Open to all male and female 11th and 12th grade RHS SPORT ATHLETES ONLY. Must be a 2-3 sport school athlete to enroll. All individuals must have completed one semester of weight lifting prior to enrolling in this course. This course is offered both semesters.

This class will start at 7:00AM and will end at 8:00AM in the morning, Monday through Friday. Attendance will be taken, and a grade will be given every day. If an athlete is absent or tardy to this class the day of a game without a medical excuse, they will not be able to compete. This course is for athletes who will benefit from training together and pushing one another. The emphasis of this course is to develop athletes according to their current sport, or their sport of choice, while also allowing them to build strength, power, and speed according to their sport needs.

SCIENCE

***These courses meet Next Generation Standards for Science and ACT Readiness Benchmark Standards.**

PHYSICAL SCIENCE

Year-long course required for all 9th grade students.

Physical Science studies many aspects of science. Subjects covered will be earth systems, origin and evolution of the earth system, origin and evolution of the universe, structure and properties of matter, chemical reactions, and conservation of energy and increase in disorder. Energy, matter, force, and motion will also be covered.

BIOLOGY

Year-long course required for all 10th grade students.

Biology is the study of living things and gives students a basic understanding of biological principles. The basic biological concepts covered are: Cell, Heredity (DNA and genes), Natural selection, Classification, Species change over time, Interdependence of Organisms, Matter, Energy, and Organization in Living Systems, and Behavior and Adaptations. Labs and activities will be conducted to enhance the student's basic understanding of concepts covered.

ANATOMY/PHYSIOLOGY

Year-long course open to 11th and 12th grade students who have successfully completed 2 years of science and received a "C" or better in Biology.

Anatomy is the study of the major anatomical structures and physiological functions of body systems. The body systems covered are cytology, histology, integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, digestive, respiratory, and urinary. Additional concepts covered will be basic chemistry and clinical applications. Lecture, class discussion, numerous labs, and dissections will be included in this course.

EARTH & SPACE SCIENCE

Year-long class open to 11th and 12th grade students who have successfully completed two years of science.

This course will cover Physical Geology, Weather and Climate, our Oceans, and Space Science. Physical Geology covers maps, minerals and rocks, processes that shape our Earth, and geologic history. Students will study weather and climate in relation to atmospheric properties, as well as develop an understanding of the factors used in weather forecasts. The climate unit will include how our climate is changing and the possible impacts on society. The unit on Oceans will cover physical oceanography, tides, currents, and waves. The space portion will cover our solar system, the Sun, and other celestial bodies in the Universe. Discussion, labs, and projects will be required to be successful in this course. This course is designed for advanced students seeking enrichment beyond the basic standards.

CHEMISTRY

Year-long class open to 11th and 12th grade students who have successfully completed two years of science and at least one year of Algebra.

This course covers concepts including chemistry as the central science. Students will learn the structure of atoms and how matter is quantified. Concepts including electrons and bonding interactions, the concept of the mole, and chemical reactions are covered in this course. Students will explore kinetic theory, matter and energy and carbon chemistry. NGSS standards for chemistry included in this course are: Matter and Its Interactions, Motion and Stability: Forces and Interactions, Energy, Waves and Their Applications in Technologies for Information Transfer and Engineering Design. This course includes virtual and hands-on laboratory investigations to explain and reinforce chemistry concepts and meet student's needs.

AP BIOLOGY: DEPENDING UPON ENROLLMENT NUMBERS

Prerequisites: C or better in Physical Science and Biology

An introductory college-level biology course. 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.

AP CHEMISTRY (CHEMISTRY): DEPENDING UPON ENROLLMENT NUMBERS

Prerequisites: C or better in Physical Science and Biology

Provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities.

PHYSICS/ AP PHYSICS: Prerequisites: C or better in Physical Science and Biology

This is a year-long course open to 11th and 12th grade students who have successfully completed two years of science and have completed Algebra II.

An understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

Physics is a laboratory-based course in which students synthesize the fundamental concepts and principles related to matter and energy, including mechanics, wave motion, heat, light, electricity, magnetism, atomic and subatomic physics. **Through regular laboratory study using such quantities as velocity, acceleration, force, energy, momentum, and charge students will: Examine the nature and scope of physics, including its relationship to other sciences and its ability to describe** phenomena using physical laws; describe the history of physics and its role in the birth of technology; explore the uses of its models, theories, and laws in various careers; investigate physics questions and problems related to personal needs and societal issues.

SOCIAL STUDIES

AMERICAN HISTORY

***This is a year-long class. This is the first course in the social studies requirements to be taken. It is a flexible requirement. It may be taken as a freshman or sophomore. It must be completed by the end of sophomore year.

This course follows a chronological review of the history of the American People from 1865-present day. It will concentrate on those political, social and economic trends that have helped shape our present-day society. The Hathaway Scholarship and RHS graduation guidelines require a full year of American History

WORLD HISTORY

Prerequisite: American History.

***This is a year-long class to be taken after the completion of American History. It is a flexible requirement. Only open to 10th and 11th grade students. It must be completed by the end of a student's junior year.

World History introduces cultural changes man has gone through by focusing on the history of the modern world beginning with the Enlightenment period through the present. Emphasis is placed on social, cultural and economic history as well as political history. Geography is embedded in the course to review the developments of cultures and countries across the world. We will discuss geographic concepts and the inter-relationship of these factors that make our world the one we know today. The Hathaway Scholarship and RHS graduation guidelines require a full year of a World History course.

AMERICAN GOVERNMENT

Prerequisite: Successful completion of one year of Social Studies, Juniors and Seniors only

***One semester course offered both semesters for 11th and 12th grade students only. RHS graduation guidelines and the Hathaway Scholarship both require a semester of American Government.

American Government is designed to help students achieve a basic understanding of the government of the United States and the rights and responsibilities of American citizenship. This course encourages student interest and participation in the American political system. Most importantly, the students will be provided the skills to become concerned and involved citizens who are able to make informed choices about the world in which they live.

ECONOMICS

Prerequisite: Successful completion of one year of Social Studies, Juniors and Seniors only.

****This will be a required course for Graduation beginning with the Class of 2023.**

***One semester course offered both semesters. Open to students in 11th or 12th grade.

This course will give the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course relates history and politics to the study of economics.

WWCC HIST 1330 (1750-Present): **DEPENDING UPON ENROLLMENT NUMBERS**

Prerequisites: To enroll in this class, students must be sophomores or juniors who have completed American History with a grade of B or higher and an overall GPA of 3.0.

A history of the world's peoples and societies from 1750 to the present, with an emphasis on diversity and interconnected traits of human life in the past. The emphasis will be on the French Revolution

and the manner in which it has shaped our modern world. The class will be lecture based with readings and discussions.

****Elective Credit Only Options****- The following courses are offered as additional elective offerings only, beginning with the class of 2023.

PSYCHOLOGY

Prerequisite: Successful completion of one year of Social Studies, Juniors and Seniors only

***One semester course offered both semesters. Open to students in 11th or 12th grade. 10th grade students may enroll with teacher recommendation and good academic standing.

Psychology is a field that studies the human mind and behavior. By studying psychology, we wish to understand and explain people's thoughts, emotions, and behaviors. Uses of psychology include the treatment of mental health, self-help, and many other areas affecting health and daily life. The purpose of this course is the application of psychology to your own life.

CONTEMPORARY AMERICAN PROBLEMS

Prerequisite: Successful completion of one year of Social Studies, Juniors and Seniors only

One semester course offered both semesters. Open to students in 11th and 12th grade students that are in good academic standing.

The current generation of America is faced with a rapidly changing society. This class is designed to provide background and perspective for the individual to understand and cope with the complex issues arising from this dynamic environment. Emphasis will be placed on current events. Units will be defined by students at the beginning of the semester. You will gain a deeper understanding and skills while working for an extended period to investigate, explore, and respond to current real-world challenges and problems. Students will utilize the Canvas LMS to progress through the course.

HISTORY THROUGH FILM: DEPENDING UPON ENROLLMENT NUMBERS

Prerequisite: American History and World History. One semester class is open to 12th grade students.

Students will examine history as presented in films. A series of films pertaining primarily to American history will be viewed and analyzed. During a two week period the students will watch a selected film for three days. After the viewing, students will select a topic from the film to analyze and create an expository presentation about their topic of choice. The following week they will present their findings. The process will then begin again with a new film. The culminating event will be a film of the students choice with a deeper and longer presentation.

RHS /CCHC VOCATIONAL EDUCATION

INTRODUCTION TO COMPUTER SCIENCE/STEM

This is a semester long course open to 9-12 grades. In this course, students will apply computational thinking practices, build their vocabulary, and collaborate to create products that address topics and problems important to them. Students will learn the fundamentals of computer science as well as different career pathways in this career field.

Prerequisite: Prior STEM recommendations or Introduction to Computer Science

This is a year long course. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing technology can impact the world. This course requires students to apply computer science principles to a variety of coding and web design tasks and will develop computational thinking, generate excitement about career paths that utilize computing, and introduce tools that foster creativity and collaboration. Students will develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

ADVANCED COMPUTER SCIENCE PRINCIPLES Open only to students who completed CCHEC Computer Science Courses in the 2019-2020 School Year.

Prerequisite: Computer Science Principles

This is a year-long course. This course further develops computational thinking skills and utilizes industry-standard tools to develop solutions to real world problems. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and web-based databases. Students will have the opportunity to complete the Computer Science AP test as part of the course.

INTRODUCTION TO ENGINEERING DESIGN: Available 2021-2022 School Year

This is a year-long course. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.

PRINCIPLES OF ENGINEERING: Available 2021-2022 School Year

This is a year-long course. 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.

ENGINEERING DESIGN AND DEVELOPMENT : Available 2022-2023 School Year

Prerequisite This course requires successful completion of two of the following courses: Principles of Engineering, Introduction to Engineering Design, or Computer Science Principles.

This is a year-long course. The knowledge and skills students have acquired are put to use as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards.

INTRO TO FOODS: REQUIRED FIRST ENTRY LEVEL COURSE

This is a one semester class. In this course, students will learn theories of cooking, culinary vocabulary, and the development of safe and sanitary kitchen practices. Students will learn a variety of preparation techniques for food preparation. The class will help students make informed decisions in the areas of nutrition, food selection, preparation, menu planning, and purchasing. Introduction to Hospitality and Tourism:

INTRODUCTION TO HOSPITALITY AND TOURISM:

This is a one semester class. This course provides students with an overview of the current hospitality and tourism industry. Students learn about four main sectors: lodging, food and beverage, transportation, and recreation and entertainment.

NUTRITION:

This is a one semester course. This course assists students in understanding the role of nutrition in health and wellness. Demonstrations, hands-on food labs, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to plan, purchase, and prepare nourishing meals and to evaluate and improve day-to-day food choices.

HOSPITALITY AND TOURISM: Available for the 2021-2022 School Year Only

Prerequisite: This class requires successful completion of Introduction to Hospitality and Tourism. This is a year-long course. In this course, students will be introduced to foodservice operations, lodging, travel, and tourism. Students will obtain knowledge of customer service principles and examine the impact of cultural, historical, social, and technological developments on key segments of the industry. They will also apply safety and sanitation techniques to prevent and control injuries, illnesses, and diseases in the workplace. Other topics that will be addressed are employability skills, leadership, and communications. Students will be able to earn a Customer Service Certification in this course.

PROFESSIONAL FOODS 1: Available 2021-2022 School Year

Prerequisite: This class requires successful completion of Intro to Foods and Nutrition. This is a year-long course. This course requires students to participate in both theory and hands-on lab experience with strong emphasis on customer service. Topics include skills necessary for a career in the hospitality industry, organization and management, professionalism, use of commercial equipment, proper sanitation and safety for industry, and essential math. Advanced cooking techniques, cost control, purchasing and inventory, and commercial kitchen equipment will be used as students study and learn about production kitchens. Students can complete ServSafe Certification in this course.

PROFESSIONAL FOODS 2: Available 2022-2023 School Year

Prerequisite: This course requires successful completion of Foods 1 and teacher approval. This course is the second of two courses that prepare students for careers in the foodservice/hospitality industry. Emphasis is on obtaining skills for the industry-based certification and preparation for internships in the industry. This course utilizes ProStart II text and curriculum developed by the National Restaurant Association's Educational Foundation. Students who complete a 400-hour paid internship and meet the testing requirements of the National Restaurant Association will receive national ProStart certification. Topics of study include career preparation, history of the industry, lodging, tourism, the art of service, marketing, purchasing and inventory control, as well as advanced planning and food preparation techniques.

BUSINESS APPLICATIONS I

***One semester course offered both semesters.

Students will be developing employable skills using Microsoft Office 365 for Education software and the Skills Assessment Management software to include:

MICROSOFT WORD

Students will learn how to create, print, format, and edit documents; merge, sort, and select data; share documents; enhance visual display and clarity of documents; create and format tables; and insert graphics.

MICROSOFT EXCEL

Students will learn how to present, manipulate and calculate numerical data; present data visually; insert images; create maps; utilize templates, workbooks, lists, analysis tools. Students will use desktop functions such as changing fonts, adding borders, changing patterns, and adding color to worksheets. Students will work in multiple worksheets consolidating data and exchanging data between worksheets, as well as creating graphs and styles.

MICROSOFT POWERPOINT

Students will learn how to create presentations, adding visual elements, modifying, importing and exporting data; customizing and delivering presentations; and linking and embedding objects and files.

MICROSOFT ACCESS

Students will learn how to create databases, tables in both the datasheet and design views, add records, open and close a database, import data, create a query and a form, create and print custom reports, modify a report in layout view, and design a database to satisfy a collection of requirements.

BUSINESS APPLICATIONS II AND III

***One semester course. Open to 10th, 11th, and 12th grade students.

Students in this course will be working with Adobe Creative Cloud to include:

PHOTOSHOP CC

The focus of this course is to introduce you to Photoshop as an image-editing and painting tool set, to demonstrate methods for adjusting tonal range in photographic images, to learn techniques of managing the elements of complex images, and to teach you some basic special effects suitable for both offset printed pieces and multimedia applications.

ILLUSTRATOR CC

This course will provide you with the skills necessary to work in this fast-paced, exciting, and rapidly expanding business. You will become familiar with the fundamentals of Adobe Illustrator. Illustrator is an industry standard in the graphic arts and is used by thousands of artists around the world. You will learn to control paths and segments. Change the path's attributes including color and weight. Define colors according to industry standard four-color ink set known as CMYK. Students will become familiar with formats compatible with the World Wide Web, and the processes necessary to output work in many different forms.

INDESIGN CC

This is a robust desktop-publishing application. You will learn to integrate text and graphics, prepared or imported, and produce a file that can be printed or published whether it is 1 page or 500 pages. You will learn how to produce professional layouts quickly and easily.

DREAMWEAVER CC

Dreamweaver has risen from relative obscurity to become the tool of choice among most leading Web designers. Students will learn how the program's many features provide them with the ideal authoring environment for creating and publishing your Web designs and content.

PREMIERE PRO CC

Students will digitize video, add titles, and effects, fine-tune audio, and export directly to a DVD with this software.

ADVANCED BUSINESS APPLICATIONS

*One semester course open only to students who have completed Business Apps I, II and III in good standing. Approval by instructor only.

ADOBE SUITE - Students will continue their work in Adobe Suites by creating projects. These projects to be assigned by instructor.

ACCOUNTING

*All Accounting courses offered are year-long classes and must be taken at the beginning of the school year, during the fall semester.

ACCOUNTING I

This manual accounting course provides the student with an understanding of basic accounting principles and the procedures used to record, classify, and summarize financial data. Students will work with the accounting cycle (and topics such as; accounts payable, accounts receivable, banking functions, payroll, etc.) for both sole proprietorship and partnership form of business.

ACCOUNTING II

Students will increase their accounting skills by working with an accounting cycle for a corporation including such topics as; uncollectible accounts, notes payable, notes receivable, depreciation, and merchandise inventory. Students will be exposed to computerized accounting for partnerships and corporations and work with comparative statements and statements of cash flow.

ACCOUNTING III

With instructor approval only.

Students will increase their accounting skills by working with an accounting cycle for a corporation and management accounting including such topics as; acquiring additional capital; budgetary planning and control; profit analysis; cost accounting for a manufacturing business; and accounting for a not-for-profit organization. Students will continue to be exposed to computerized accounting.

CAREER SKILLS

***One semester course. Open 11th and 12th grade students only.

This Career Skills program is designed to provide students with an awareness and understanding of basic career skills and college readiness. Employers are looking for qualities such as a positive attitude, team work ability, good communication skills, leadership skills, and good work ethics and habits. It will help them feel confident, informed, connected and prepared. It will assist students in connecting their current interests, strengths, and experiences to their future life requirements, expectations, and successes.

WELDING TRADES

WELDING I:

This course is open to all students. This is a semester long course, offered both fall and spring semesters.

This course is an introduction to welding and cutting processes. Students will be exposed to Oxy-Acetylene Welding (OAW), Oxy-Acetylene Brazing (TB), and Shielded Metal Arc Welding (SMAW). The course will combine lecture and lab time. Lecture topics will include safety, process specific information, welding theory and terminology, introduction to metallurgy, and applied math and science. **This course meets the requirements of WWCC WELD 1715 for concurrent credit enrollment.*

WELDING II: This course will be a continuation of the skills learned in Welding 1. Students will learn to weld with Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW). Students will also learn to cut and bevel plate with Oxy-Fuel Cutting (OFC) and Plasma Arc Cutting (PAC). Course work will also cover welding joint design, process specific information, welding symbols, metallurgy, and applied math and science. **This course meets the requirements of WWCC WELD 1755 for concurrent credit enrollment.*

WELDING III: This course will be a continuation of the skills learned in Welding 2. Students will use the processes learned in Welding 2 to weld plates to American Welding Society standards. Students will learn to cut and prep plates with both open root and a backing plate. Students will begin to be exposed to non-ferrous (Aluminum) welding, as well as basic welding inspection techniques. Course work will include advanced metallurgy, and blueprint reading. **This course meets the requirements of WWCC WELD 1760 for concurrent credit enrollment.*

WELDING IV:

Co/Prerequisite: CAD I

Students will build upon skills from Welding 3. This class is considered a senior capstone and thus will have very high expectations. Students will be doing many of the same welds taught in Welding 3; however, a higher proficiency level will be required. Students will be exposed to non-destructive testing & dye penetrant, visual inspection. If time and instructional budget allow students will learn the principles of welding stainless steel. Coursework includes advanced metallurgy, fabrication and blueprint reading, heat effects and heat treating of metals, and destructive and non-destructive testing methods. **This course meets the requirements of WWCC WELD 1840 for concurrent credit enrollment.*

WELDING FABRICATION:

This course is open to any Welding II, III, or IV student.

Students will be exposed to a deeper level of understanding regarding welding fabrication, dimensional tolerances, and specialty fabrication tools. Other welding courses are designed to improve a student's individual skills, but Welding Fabrication emphasizes workflow, teamwork, and problem solving in the shop setting. Students may work on individual projects with instructor permission.

AUTOMOTIVE TRADES

**Students will have the opportunity to earn an ASE certification with each automotive course except for Auto Maintenance Basics.*

AUTO MAINTENANCE BASICS:

This course is open to all students. This is a semester long course, offered both fall and spring semesters.

This course focuses on automotive maintenance, preventative maintenance and repair(s). Also included is the explanation of automobile terminology and parts. Students will learn about the tools of the trade along with operating lifting equipment (hydraulic lifts and floor jacks) typically found in a shop. **This course meets the requirements of WWCC AUTO 1580 for concurrent credit enrollment.*

ELECTRICAL/ELECTRONIC SYSTEMS:

Prerequisite: Auto Maintenance

This is a semester long course, offered both fall and spring semesters.

This electrical course will describe how electricity works from atoms, starting and charging systems along with learning about voltage, current (amperage) and ohms of resistance. Students will be trained on series and parallel circuits, wiring diagrams, and diagnosing electrical problems using Ohms Law. **This course meets the requirements of WWCC AUTO 1765 for concurrent credit enrollment.*

ENGINE REPAIR:

Prerequisite: Auto Maintenance

The course is a two-period block class, one semester, offered fall semester.

This course focuses on identifying the major parts of a typical automotive engine and describing the four-stroke cycle. Students will have the opportunity to disassemble an engine, measure all of the critical parts of the engine with PMI (precision measuring instruments) and then reassemble the engine. In addition, the student will be taught on diagnosis of engine related problems. **This course meets the requirements of WWCC AUTO 1700 for concurrent credit enrollment.*

DRIVETRAIN AND TRANSMISSIONS:

Prerequisite: Auto Maintenance

This is a semester long course.

In this course the student will be trained on how to service automatic and manual transmissions, the diagnosis and service of a clutch and its mechanical and hydraulic components. Drive shafts, axles and differentials are also a part of this training.

BRAKES:

Prerequisite: Electrical/Electronic Systems

The course is a two-period block class, one semester, offered spring semester.

In the brakes course, students will be trained on the hydraulic and mechanical principles of the braking system. Power brakes and master cylinders will be covered, disc and drum brakes will be explained along with the student learning how to use a brake lathe. ABS (anti-lock brake system), traction control, and stability control will also be discussed. **This course meets the requirements of WWCC AUTO 1740 for concurrent credit enrollment.*

HEATING AND AIR CONDITIONING:

Prerequisite: Electrical/Electronic Systems

This is a semester long course.

This course focuses on the principles of refrigeration, the basic function and construction of each major part of a typical heating and air conditioning system. The student will be trained on evacuation and charging of an air conditioning system. Additionally, the student will be trained on diagnosing heating problems and blower motors.

SUSPENSION AND STEERING:

Prerequisite: Electrical/Electronic Systems

The course is a two-period block class, one semester.

The suspension and steering course offers the student information concerning tires, wheels (steel and alloy) and will have the opportunity to mount and balance the wheel and tire assembly. All the major parts of the suspension and steering system will be covered along with discussions on wheel alignment.

ENGINE PERFORMANCE:

Prerequisites: Auto Maintenance, Electrical/Electronic Systems, & Engine Repair

The course is a two-period block class, one semester.

This section will cover the drivability of vehicles. Specific topics include ignition and fuel system(s), lectures on the vehicle's computer system and all of the sensors and actuators involved. Students will be able to diagnose a "check engine" light with a scan tool and will be trained on troubleshooting procedures. Additionally, emissions will be explained along with students performing tune-ups in class.

WOODS TRADES

WOODWORKING BASICS

This is a one semester course open to all students, offered fall and spring semesters.

This course will provide students with a foundation to develop his/her skills of wood working concepts. Students will become familiar with the design, process flow, tools, equipment, typical joints and joinery procedures. Wood species identification and wood panel products are studied and learned. Students will be able to participate in the planning and construction of various shop projects contingent upon passing a basic safety test and becoming certified on the use of the shop tools and equipment.

WOODWORKING II

Prerequisite: Completion and passing of Woodworking Basics. The course is a two-period block class, one semester, offered both fall and spring semesters.

This is a one semester course. This course is a continuation of Woodworking Basics, focused on cabinet construction methods while working as a team, as if in the workplace. The students will be exposed to a real workplace environment. They will design, build, and sometimes install various products for local customers.

WOODWORKING III

Prerequisite: Completion and passing of Woodworking II.

Co/Prerequisite: CAD I

The course is a two-period block class, one semester, offered both fall and spring semesters.

This is a one semester course and is a continuation from Woodworking II, emphasizing wood product design and manufacturing.

ADVANCED WOODWORKING

Prerequisite: Completion and passing of Woodworking III.

The course is a **two-period block class**, one semester, offered both fall and spring semesters.

This is a one semester course and is a continuation from Woodworking III, emphasizing wood product design and manufacturing.

CONSTRUCTION CERTIFICATION I

Prerequisite: Completion and passing of Woodworking Basics.

General construction laborers perform a wide variety of activities during all phases of construction. They assist carpenters and other specialized contractors in framing, roofing, and interior and exterior finishing during the building and/or remodeling of residential and commercial structures. They read blueprints, sketches and specifications for information pertaining to dimensions, types of materials required and standards of work. General construction laborers work with a variety of hand tools, power tools and equipment. They work in a variety of physically demanding situations including weather extremes, heights and enclosed areas.

Practice safe work habits.

Develop blueprint reading skills.

Assemble floor, wall, roof and stair systems.

Install interior and exterior finishes.

Apply various moisture and vapor management techniques.

CONSTRUCTION CERTIFICATION II

Prerequisites: Completion and passing of Woodworking Basics and completion of Construction Certification I.

Carpenters construct, install, erect and repair structures to comply with all existing codes and in a manner that exhibits skill and craftsmanship. They read blueprints, sketches and specifications for information pertaining to dimensions, types of materials required and standards of work. Carpenters work with a variety of hand tools, power tools and equipment. They work in a variety of physically demanding situations including weather extremes, heights and enclosed areas. A carpenter may be skilled in framing, interior and exterior finishing, forming and/or remodeling of residential and commercial buildings

Practice safe work habits.

Develop blueprint reading skills.

Assemble floor, wall, roof and stair systems.

Install windows and doors.

Install interior trim.

Apply sustainable/energy efficient building practices.

Develop an awareness of environmental responsibility.

Exhibit professionalism and related soft skills

HEALTH SCIENCES

HEALTH VOCATIONS I & II (CNA)

Pre-requisites: The CNA program is open to 11th and 12th grade students only. Students must be 16 years of age prior to the end of the semester. The course is a two-period block class, one semester, offered both fall and spring semesters.

If you are interested in a medical career, starting as a CNA is a great way to launch yourself on this adventure. As a CNA, you will be exposed to many health care scenarios and various members of the healthcare team. You will observe nurses, physicians, physical therapists, medical technologists, surgical technicians, and others, in action. CNA's are readily employable in nursing homes, home health care agencies, assisted living facilities, hospitals, doctor's offices, medical clinics and urgent care centers. These courses will prepare students with basic healthcare knowledge and nursing assistant-based principles. Students will practice and demonstrate the skills needed to properly care for a patient or resident. Students will learn in the classroom, laboratory, nursing home, hospital, and throughout the medical community.

Students must pass with a C (75%) or better for both classroom and clinical experiences. Successful students will be eligible to take the State Competency Exam to become a Certified Nursing Assistant. This is optional; however, it is a great way to see if the medical field is your passion. A grade will be earned for high school credit even if the student does not choose to become certified. Students will become CPR/First Aid/AED certified in the class prior to participating in clinical experiences.

WWCC HEALTH OCCUPATIONS I & II

I- Semester long class open to 11th and 12th grade students who have an interest in healthcare careers. This class is a college level class and will be rigorous. Students will receive 2 college credits for HLTK 1200 through Western Wyoming Community College.

In this course the student will familiarize himself/herself with basic objectives to learn to divide medical words into component parts; learn basic combining forms; prefixes and suffixes of the medical language; and use these combining forms, prefixes and suffixes to build medical words. Students will learn about various medical/ healthcare careers and their individual disciplines. During this course, human anatomy and physiology is covered so a basic understanding of this subject is strongly encouraged.

II-Semester long class open to 11th and 12th grade students who have an interest in healthcare careers. This class is a college level class and will be rigorous. Students will receive 2 college credits for HMDV 1515 through Western Wyoming Community College. This course is designed to help students navigate the career decision making process focusing specifically on healthcare occupations. Through the use of assessments, self-evaluation and discussions, students will explore their career interests and chart a career path for the future, as well as a plan of how to complete this career path.

STEAM (SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, MATH)

ROBOTICS I

This course is open to all students. This is a semester long course, offered both fall and spring semesters.

This course is an introduction to the world of Robotics. Students will learn about tools and basic problem solving as they assemble their robots. They will be introduced to VEX EDR robots and robot programming. Students will learn about designing a robotic arm and utilize STEM principles. Students compete head-to-head in sports and games with their robots.

ROBOTICS II

Prerequisite: Robotics I

This course is a two-period block class, one semester, offered both fall and spring semesters.

This course is a continuation of Robotics I. Search and Rescue is the focus of this course. Students will assemble a robot, attach a camera, then drive the camera by remote control (a joy stick) to simulate a real-life rescue scenario. Students will design a moving arm and claw to pick up the items they find in the test. A large portion of the grade entails being able to problem-solve (on an individual or team basis).

After mastering the remote-controlled robots, students will build a programmable robot that operates without remote controls. Ideally, students will enroll in the robotics sequence over a series of successive semesters.

ROBOTICS III

Prerequisites: Robotics I and II

This course is a two-period block class, one semester, offered both fall and spring semesters.

This course is offered to 10th, 11th, and 12th grade students. Robotics 3 will emphasize drone building using various software programs to fly the drones. Students will initially use a drone flying simulator so that they are experienced when they begin flying the drones they have built. Students will use soldering techniques and fine motor skills to assemble the drones for flight; students will build beginner and more advanced racing drones as time allows.

ADVANCED ROBOTICS

Prerequisite: Robotics I, II, and III

The course is a two-period block class, one semester, offered both fall and spring semesters.

This is a one semester course and is a continuation from Robotics III, emphasizing drone building.

COMPUTER ASSISTED DRAFTING (CAD) I

This course is open to all students. This is a one semester class, offered both fall and spring semesters.

This course is the first of a three-part sequence which prepares students for entry-level drafting positions and provides opportunities for entry into college programs in Engineering, Architecture, and related technologies such as 3d Animation. Students develop technical drafting skills using computer-driven drafting programs. Students learn how to read and produce detailed drawings and technical illustrations from the sketches and ideas conceived by design professionals. Students begin drawing in two dimensions, and then go more in-depth with 3d modeling. Students learn how to prepare design drawings useful for any field of design or real-world clients. Students will be introduced to 3d Printing in this course. Programs introduced include Autocad, Chief Architect, Inventor, Solid Works, and (as time allows) 3ds Max and Unity.

COMPUTER ASSISTED DRAFTING (CAD) II

Prerequisite: CAD I

This course is a two-period block class, one semester, offered both fall and spring semesters.

This course is the second of a three-part sequence to prepare entry-level drafters into the work-force or to provide for opportunities for entry into college programs such as Engineering, Architecture, and any related technologies (such as 3D Printing, 3D Visualization, Animation, Industrial Design). In the CAD II course, students will be doing more complex 3d modeling, reverse-engineering, and work at a higher level of complexity in all programs. As time allows, students may explore Architecture or 3d Animation (making short movies), Part Modeling, Assemblies, Exploded Assemblies, and completed Drawings sheets. Students may create projects for other classes such as Welding or Woodworking or a community project. Students will use Chief Architect, Solid Works, Revit, and 3ds Max. Students will learn more about 3d Printing and Unity. At the end of this course, students will focus on a project of their interest.

COMPUTER ASSISTED DRAFTING (CAD) III

Prerequisites: CAD I and II

This course is a two-period block class, one semester, offered both fall and spring semesters. Students will be putting together all the design and modeling principles learned in the CAD I and CAD II courses. Students will be working independently, on a design team, or with other departments in the Carbon County Higher Education Center or local clients who have design needs in the community for a capstone project. Are you a “gamer”? Unity is a high-powered gaming engine we will use to create some basic video games. Students will be exposed to the artistic and programming sides of the virtual game world.

Students may test to obtain a certificate in Inventor, Revit, Autocad, or Solid Works at the completion of two years CAD. Students will complete a portfolio of their work at the end of their third year in CAD.

ADVANCED COMPUTER ASSISTED DRAFTING (ADV. CAD)

Prerequisite: CAD I, II, and III

The course is a two-period block class, one semester, offered both fall and spring semesters. This is a one semester course and is a continuation from CAD III.

LEARNING RESOURCE

Courses in this department are designed for students with specific learning difficulties. These are not gatekeeper courses and do not meet the requirements for standards for graduation.

ACADEMIC LAB

This course is designed to give support and assistance to students to help them meet specific academic requirements in their content area classes. Students will have opportunities to practice and improve study skills, reading, writing, and math abilities to meet their education goals.

WORK STUDY

This class is designed for the student to gain work experience. Weekly journals and assignments will be required. The student will need approval by the work study teacher and job coach before enrolling in this class.

APPLIED TRANSITIONS

The course description for the Applied Transition Strategies class is the acquisition and successful application of independent living skills and work skills in their community. This class has been created to educate students about the requisite knowledge and skills necessary for students to

transition into independent living within the community. The Applied Transition Strategies class includes a year-long one period class for 9th and 10th grade students and a year-long two period class for 11th and 12th grade students. Elective credits will be earned for successful completion of these classes. In-class instruction, hands-on learning activities, and field trips will provide a wide range of learning opportunities for students, so they are better prepared for a successful transition to independent daily living after high school.

READING INTERVENTION

*Placement is based upon the student's assessment scores & teacher recommendations.

Reading Intervention is an intensive reading program designed to meet the needs of students whose reading achievement is below proficient level. The program directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading and writing skills.

MATH INTERVENTION

Enrollment/placement in this course is based upon the student's assessment scores & teacher recommendations.

***This course is an elective credit and does not replace the Math credit requirements for graduation or Hathaway Success Curriculum.

This class is structured to strengthen basic Algebra/mathematical skills. It is designed to enhance student learning in conjunction with their current math course.

ADDITIONAL ELECTIVES

YEARBOOK/ Digital Photography

**Work outside of normal classroom hours will be a mandatory expectation throughout the course.

This is a year-long course. Yearbook will focus on the planning, creation, selling, financing, and distribution of the Rawlins Outlaw Yearbook. The finished product will be completely student-generated. The fundamentals of yearbook journalism include coverage of the year's events, ethics, writing story copy, writing captions, creating sidebars, and photojournalism. Yearbook design includes creating aesthetically pleasing layouts, using enhancing graphics, and effectively using color. Integral to yearbook journalism is developing and carrying out a theme, both verbally and graphically, that suits Rawlins High School.

CAREER EXPLORATIONS

Any student who is on track towards graduation and is a senior may participate in a Career Exploration Experience 1 or 2 periods of the school day depending on scheduling. Students are expected to attend and participate daily at the job site of the Career Exploration

- Must be willing to assume responsibility for promptness, accuracy, and confidentiality.
- Will meet specific prerequisites, descriptions, and requirements as established by supervisor.
- Must be in good standing academically at Rawlins High School.
- Grade will be S/U based upon attendance and participation and is not included in Grade Point Average.

***NONDISCRIMINATION STATEMENT**

"Carbon County School District One does not discriminate based on race, color, national origin, sex, disability, political affiliation, religion, or belief in relation to admission, treatment of students, access to programs and activities, or terms and conditions of employment. Inquiries concerning Title VI, Title IX, Section 504 of the Rehabilitation Act of 1973 or ADA may be referred to the Civil Rights/504/ADA Coordinator, Carbon County School District One, P.O. Box 160, Rawlins, Wyoming 82301, (307) 328-9200; the Wyoming Department of Education, Office for Civil Rights Coordinator, 2nd Floor, Hathaway Building, Cheyenne, Wyoming 82002-0050, (307) 777-6198; or the Office for Civil Rights, Regional VIII. U.S. Department of Education, Federal Office Building, Suite 310, 1244 Speer Blvd., Denver, Colorado 80204-3582. (303) 844-5695, TDD (303) 844-3417.

***SEXUAL HARASSMENT**

It is the intent of Carbon County School District One to maintain a learning environment that is free from discrimination, including sexual harassment (File JBAA). Harassment based on sex is unlawful; the district prohibits all vendors, sales representatives or visitors, employees and students from sexually harassing Carbon County School District One students in the school environment. A student, male or female, who believes he or she has been subjected to sexual harassment, shall immediately report the alleged acts or conduct to any teacher, the school counselor, or the principal. The complaint will then be referred to the Superintendent who shall immediately investigate the matter. For more information, a copy of the District policy is available at the school office.