

# Glenrock High School

2020-2021

Course Description Book



**Welcome to the  
ROCK!**



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## PRINCIPAL'S MESSAGE

Greetings Parents and Students,

This course description guide describes the classes offered here at Glenrock High School. Whether you are at the starting line of your “academic race”, ready to begin choosing classes for your high school career, or already in the middle of your race, it is important to have a goal in mind for when you cross the finish line. Having this career or educational goal to work towards will help guide you in selecting the classes you need to reach your goal. Remember as you are looking through the guide, there are certain required courses as well as electives needed to complete your academic race. Take special note of our concurrent and dual enrollment opportunities which can offer you an added boost.

In addition to the course descriptions, information about the Hathaway Scholarship is also included for your review. The Hathaway Scholarship is a wonderful funding opportunity for college bound students attending school in our great state of Wyoming.

Keep in mind that you must meet the graduation requirements as stipulated by both the state and the district. Whether you are a freshman, sophomore, junior or senior, your designation is determined by the number of credits you earn. Failure to earn sufficient credits, or taking the wrong classes, may require you to detour and attend summer school. Good choices now, combined with hard work, diligence, and commitment will result in a successful finish to the academic race you choose to run. Make the race memorable. Cross the finish line prepared for the future and please, let myself or any of our staff know what we can do to help you along the way!

Good luck!  
Work hard!  
Finish strong!

A handwritten signature in blue ink that reads "Mark Fritz". The signature is written in a cursive style and is positioned above a horizontal blue line that spans the width of the page.

Mark Fritz  
Principal of Glenrock High School

# HATHAWAY REQUIREMENTS

## HATHAWAY SCHOLARSHIP REQUIREMENTS



2019 and 2020 graduate can use either the 2018 Hathaway Success Curriculum (HSC) or the current. 2021 graduates will be required to use the current HSC.

\*Students with an associates degree can extend for an additional 4 full-time semesters at UW

\*\*All AP, IB and dual/concurrent courses (+1000 level and above) will be weighted.

\*\*\*2 years must be a sequenced pathway, the other two years can be in the same or a different subject area.

# GLENROCK HIGH SCHOOL REQUIREMENTS

## 24 Carnegie Credits Required in Grades 9-12 (Beginning Class of 2021-2022)

\*\*No student shall be awarded a diploma from Converse County School District No. 2, Glenrock High School unless the student has successfully completed the following components, as evidenced by passing grades.

Content Areas	Language Arts (English)	Math	Science	Social Studies	Physical Education	Health	Fine or Applied Arts and Technology	Computer Science	Personal Finance
Carnegie Credits	<b>4</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1.5</b>	<b>.5</b>	<b>1</b>	<b>1</b>	<b>.5</b>

**Electives:** Credits required from any combination of content areas to complete 24 credits

**Mathematics:** Algebra I and Geometry

**Social Studies:** U.S. History, World Geography, Government, and Economics

**Science:** Earth Science, Biology, and Chemistry or General Science

**Physical Education:** Health and a demonstration of competency in CPR

**Health:** .5 credits required

**2020-2021:** 25 Carnegie Credits

**2021-Beyond!:** 24 Carnegie Credits

### Weighted Ranking Matrix

Level Of Course	Regular High School Course	Dual/Concurrent Enrollment
<b>Grade</b>		
<b>A</b>	<b>4.0</b>	<b>5.0</b>
<b>B</b>	<b>3.0</b>	<b>4.0</b>
<b>C</b>	<b>2.0</b>	<b>3.0</b>
<b>D</b>	<b>1.0</b>	<b>2.0</b>
<b>F</b>	<b>0</b>	<b>0</b>

## *ELIGIBILITY RULES*

As a standards based building, students and teachers will focus on attaining certain standards in each class. The bottom line for all of us is “F’s are not OK”. With that sentiment in mind, students will not be allowed to participate with an “F” in any of their 7 classes. We will however, still allow for a probationary week where the student will get one week to raise their “F” to a passing grade. On the second consecutive week with an “F” in the same class, that student will not be allowed to compete, travel, or perform in activities. Glenrock Herders think like CHAMPIONS: academics are why we are here.

Eligibility example:

Sandra is out for VB. On the first grade check, her grades show that she is failing Biology. Sandra is considered “on probationary” status: we are watching her grades very closely. She can compete that weekend but by the following Wednesday she must have that grade up to passing or she will be held out of competition. If Sandra brings her Biology grade up – but is now failing English – she will have another probationary week for English. The following week she must have that English grade up or she will be ineligible.

Any student that has a “D” or an “F” will be required to attend Friday school. Once eligibility is complete on Wednesday – it will NOT be done again until the following Wednesday. A student cannot be ruled ineligible on Wednesday and make up work to be eligible to compete that same weekend.

## LANGUAGE ARTS

*4 credits required*

Grade 9	Grade 10	Grade 11	Grade 12
Freshmen English	Sophomore English	Junior English	Senior English
			<b>EWC COLLEGE CREDIT</b>
			ENGL 1010
			ENGL 2020
			TECH 1005
			Public Speaking 2010

NOTE: The Language Arts Department recommends not more than two classes of Language Arts in the same semester because of the heavy workload in writing assignments and the departmental goal of encouraging outside reading for all classes. In addition, students are required to successfully complete English 9, 10, & 11 prior to taking any advanced EWC English courses. Exceptions MUST be approved by the principal and English department.

### **FRESHMEN ENGLISH**

Grade 9

Two Semesters 1.0 Credits

English 9 is a full-year required course. The content is divided into the four communication skills areas: speaking (speech making), reading a variety of literary genres, writing (basic components of composition with emphasis on the paragraph), and listening. A classic play and a novel are studied.

### **SOPHOMORE ENGLISH**

Grade 10

Prerequisites: English 9

Two Semesters 1.0 Credits

English 10 is a full-year required course. The content is divided into the four communication skills areas: speaking, reading (variety of genres), writing (components of specialized composition), and listening.

### **JUNIOR ENGLISH**

Grade 11

Prerequisites: English 9 and English 10

Two Semesters 1.0 Credits

English 11 is a full-year required course which covers a variety of communication skills: speaking (argumentative and informative speeches), reading literature (focus on themes, genres and devices in American literature), writing (informative, descriptive, narrative and persuasive, including a formal research paper), and critical and creative listening and thinking skills.

### **SENIOR ENGLISH**

Grade 12

Prerequisites: English 9, English 10 and English 11

Two Semesters 1.0 Credits

English 12 is a senior course that concentrates on literature. Advanced techniques in writing longer compositions, sentence structure, and the development of a variety of types of compositions will be emphasized. Higher level literature will be used as the catalyst for writing assignments.



## **Eastern Wyoming College- Concurrent- English**

### **ENGL 1010 - ENGLISH COMPOSITION**

EWC ENGL 1010 EWC 3 Credits

Grade - 12th

One Semester (Fall) 1 HS credit

Prerequisite: Appropriate Accuplacer score /ACT 18 (English), 2.0 GPA and English 11 with a C or higher  
Instruction, reading, and writing practice in the fundamentals of composition including essay assignments such as expository, argumentative, persuasive, comparison and contrast analysis and research papers.

### **CO/M 2010 - PUBLIC SPEAKING**

EWC ENGL 2010 EWC 3 Credits

Grade - 12th

One Semester (Spring) 1 HS Credit

An introduction to the principles of public speaking, with emphasis on practical skills in communicating to audiences, classes, and groups. Course includes training in manuscript preparation and composition and provides an opportunity to learn the fundamental principles of developing and evaluating public messages within a forum for honing public speaking skills.

### **TECH 1005 - Technical Writing**

EWC Credits 3

One semester 1HS Credit

This course focuses on developing the skills needed to write clearly and concisely on the job. Topics include technical definitions, summary preparation, technical reports, memos, and business letters. The course also includes oral presentations, job search preparation, and word processing and e-mail correspondence in business.

### **ENGL 2020 - Introduction to Literature**

EWC Credits: 3

Grades: 12

One Semester, 1 HS Credit

An introduction to the study of literature such as poetry, fiction, drama, novels, and literary nonfiction. This class will develop skills in written, oral, and digital communication.

Prerequisite: ENGL 1010 must be completed with a grade of C or better or taking the same time.

Lecture Hours: 3

# SOCIAL STUDIES

*3 credits required*

Grade 9	Grade 10	Grade 11	Grade 12
World History 0.5-	US History 1.0 -	Government 0.5	History of WY
World Geography 0.5 -		Economics 0.5	Law
			Psychology
			Social Psychology
			<b>EWC College Credit</b>
			PSCY 1000 PSCY-2340
			POLS 1000 POLS 2000

## **GOVERNMENT**

Grades: 9-12

One Semesters 0.5 Credits

This introductory course is designed to provide students with a thorough understanding of our nation's system of government at the local and federal level. Students will learn the skills needed to participate fully in a democratic society. Students will also examine the U.S. and Wyoming constitutions. Topics include: democratic principles, U.S. Constitution, Wyoming Constitution, local, state, and federal government, legal system, and participating in a democracy.

## **WORLD GEOGRAPHY**

Grades: 9-12

One Semester 0.5 Credits

This is a survey course designed to allow the students the opportunity to look at various cultures around the world through the prism of the 5 Themes of Geography. These are: Location, Place, How people relate to their environment, The Movement of People and Ideas, and the study of Regions.

## **WORLD HISTORY**

Grades: 9-12

One Semester 0.5 Credits

This brief survey course is designed to show the progression of man using selected periods of time. These time-periods include: The European Industrial Revolution, European Age of Imperialism, WWI & WWII, and the Postwar Era.

## **ECONOMICS**

Grades: 9-12

One Semester 0.5 Credits

This is a survey course designed to give students a basic understanding of economic principles based primarily on macro-economic (study of how society as a whole makes decisions economically based on its values and goals).

This includes the overlying theme of scarcity, how it effects all economic decisions; supply and demand and how the laws of each effect the quantity of each and how this manipulates price of given items.

They will learn types of economic systems and the strengths and weaknesses of each. They will learn about money, its characteristics and how our monetary system works in a free enterprise system. They will learn various types of business organization and at the end of the semester they will create a business of their choice by creating a business plan

### **US HISTORY**

Grades: 9-12

Two Semesters 1.0 Credits

A survey of the development of the United States from the post-Civil War Era (Reconstruction) through the present day. Emphasis will be placed on the political, economic, geographic, ethnic, and social factors that have shaped the American experience.

### **GREAT LEADERS**

Grades: 9-12

One Semester 0.5 Credits

This class is the study of many of the great leaders throughout world history. This will be a researched based class where students will do research and present their findings to the class.

### **ORIENTEERING**

Grades: 9-12

One Semester 0.5 Credits

In this class students will be using maps and other directional tools to be able to navigate ones surroundings.

### **LAW**

Grades: 9-12

One Semester 0.5 Credits

This class is designed to provide practical information and problem solving opportunities that develop the knowledge and skills necessary for survival in our law saturated society. Credits of study include: origins of law, U.S. legal system, civil law, and criminal law. Students will participate in mock trials and class simulations.

### **PSYCHOLOGY**

Grades: 9-12

One Semester 0.5 Credits

This class is designed as a general overview of psychology. It includes discovering the world which takes in learning, thinking, perception and intelligence. Psychology also includes developing personality as a child, adolescent and as an adult. Abnormal and social psychology are also included along with achieving mental health and careers in psychology.

### **SOCIAL PSYCHOLOGY**

Grades: 9-12

One Semester 0.5 Credits

This class is designed to give students a better understanding of how people relate to each other and social problems that face our society. Credits include: Socialization, Social Interaction, and Social Problems.

### **CURRENT EVENTS**

Grades: 9-12

One Semester 0.5 Credits

We will examine news reports, websites, propaganda, history books, blogs, pop music, and movies to become discerning consumers of information and to research, formulate, and defend your own views. This will allow students to learn to collaborate and solve problems in small groups and apply what you have learned in the real world.

## **Eastern Wyoming College- Concurrent- Social Studies**

### **PSYC 1000 GENERAL PSYCHOLOGY**

EWC PSYC 1000 3 College credits

One Semester

Grades: 11-12

Prerequisite: HS Psychology

Prerequisite A - for high school credit: 3.0 cumulative GPA and consent of the instructor

Prerequisite B - for college credit: 3.0 cumulative GPA, and consent of the instructor.

Includes a general survey of psychology through lecture, discussion, and assigned readings. Major topics will include: A brief history of the science of psychology, the scientific method as applied to psychology, and the physiological and psychological bases of behavior. Subtopics will include: sensation and perception, motivation, emotion, learning, individuality and personality, mental health, and the life span development of the individual.

### **POLS 1000 AMERICAN & WYOMING GOVERNMENT 1000**

3 college credits, 1 HS Credit

One Semester – 11-12th

Fundamental introductory course which meets the requirements of the Wyoming statutes providing instruction in the provisions and principles of the constitutions of the United States and Wyoming.

\*Prerequisite- None

### **POLS 2000 CURRENT ISSUES IN AMERICAN GOVERNMENT**

One Semester, 3 college credits, 1 HS credit

The purpose of this course is to introduce the student to public analysis and the process of decision making.

Attention will be devoted to current issues and topics in American government. 3 hours lecture.

\*Prerequisite: POLS-1000 must be completed with a grade of "C" or better.

### **PSYC 2340- ABNORMAL PSYCHOLOGY**

**Abnormal Psychology 2340**

3 college credits, 1 HS Credit

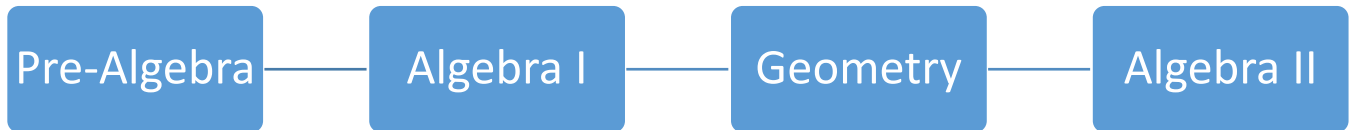
One Semester – 11-12th

A survey of major mental and behavioral disorders which explores the identification of types of disorders, their etiology, and potential treatment methods. 3 lecture hours.

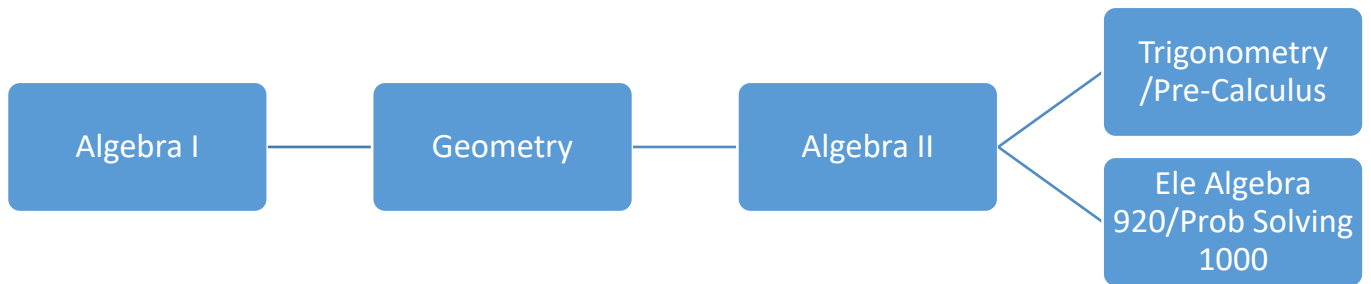
# MATHEMATICS

3 CREDITS NEEDED FOR GRADUATION

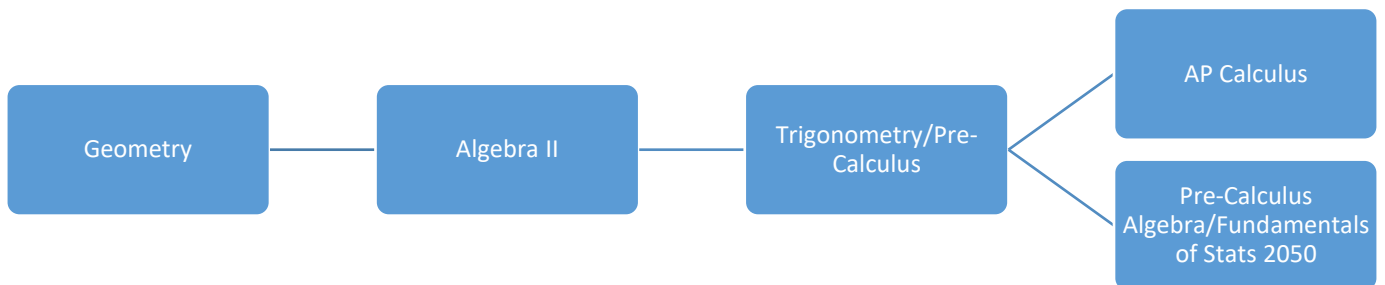
## Starting 9<sup>th</sup> grade with Pre-Algebra



## Starting 9<sup>th</sup> grade in Algebra I



## Starting 9<sup>th</sup> grade with Geometry



All 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> grade students will be enrolled in a math class.

## **PRE ALGEBRA**

Grades: 9<sup>th</sup>

2 Semesters 1.0 Credits

Pre-Algebra is a precursor to Algebra I. It covers a variety of topics, with a strong focus on solving equations. The topics taught in this section include: Variables, Expressions, and Integers; Solving Equations and Inequalities; Factors, Fractions, and Exponents; Rational Numbers and Equations; Ratio, Proportion, and Probability; Percents; and Linear Functions.

## **ALGEBRA I**

Grades: 9th, 10th, 11th, 12th - Prerequisites: None \*Calculator Required

2 Semesters 1.0 Credits

This course is designed to acquaint the student with the language of algebra. Topics to be covered include polynomials, factoring, systems of equations, inequalities, radical notation, and quadratic equations.

## **ALGEBRA II**

Grades: 9th, 10th, 11th, 12th - Prerequisites: Algebra I and Geometry \*\*Calculator Required

2 Semesters 1.0 Credits

Algebra II is basically a study of functions. The fundamental operations with polynomials are reviewed and extended. A general study of functions is followed by individual presentations of linear functions, second degree functions, exponential and logarithmic functions, trigonometric functions, and circular functions. **Optional topics** usually covered include complex numbers, vectors, matrices and determinants, sequences and series, and probability.

## **GEOMETRY**

Grades: 9th, 10th, 11th, 12th - Prerequisites: Algebra I \*Calculator Recommended

2 Semesters 1.0 Credits

Recommendations: You should take Algebra I before you take this class. The purpose of this course is to discover and develop important facts about figures that are composed of points, lines, surfaces, and solids. Emphasis is on the development of the ability to solve problems through the use of deductive reasoning. The course proceeds through experience and observation to undefined terms, postulates, axioms, definitions and theorems. Topics include lines and angles, congruency, inequalities, parallel lines, quadrilaterals, area, similarity, right triangles, circles, concurrence, regular polygons, and geometric solids.

## **TRIGONOMETRY**

Grades: 10th, 11th, 12th - Prerequisites: Algebra II and Geometry or permission of instructor. \*\*Calculator Recommended

1 Semesters Fall 0.5 Credits

This course is the study of trigonometric functions of sine, cosine, tangent, cotangent, secant, and cosecant. It treats these functions from a circular and a triangular based view. It will cover graphing, solving trigonometric equations, identities, solving triangles, circular motion and inverse trigonometric functions.

## **PRE-CALCULUS**

Grades: 10th, 11th, 12th - Prerequisites: Trigonometry \*\*Calculator Recommended

1 Semesters Spring 0.5 Credits

Pre calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for Calculus. The course focuses on previous topics such as linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions. It will also include an introduction to Calculus topics such as limits, derivatives and integrals.

## **AP CALCULUS**

Grades: 12<sup>th</sup> – Prerequisites- Trigonometry \*\*Calculator Required

2 Semesters 10 Credits

This course is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus and will be modeled generally the same as AP Calculus AB. The 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.

Students will have the opportunity to take the AP Calculus AB exam and receive college credit for the pending a score of 3 or higher on the exam (dependent on the University or Program).

## **Eastern Wyoming College- Concurrent- Math**

### **MATH – 920 ELEMENTRY ALGEBRA**

No College Credit

Grades: 11th & 12th

Fall Semester 0.5 Credits

Prerequisite: An appropriate score on the Math placement exam.

This is a one-semester beginning course in algebra. Basic concepts of algebra will be studied, including real numbers, linear, quadratic, and rational equations, with emphasis placed on solving “word” or “story” problems.

### **MATH – 1000 PROBLEM SOLVING**

EWC 3 Credits

Grades: 11th & 12th

Spring Semester 0.5 Credits

Prerequisite: MATH-0920 must be completed with a grade of “C” or better; or an appropriate score on the Math placement exam.

This course is specifically designed to satisfy basic mathematics requirements at many colleges for students not planning to enroll in Mathematics 1400 or a calculus course. The course treats modern topics chosen for their applicability and accessibility; it provides students with the mathematical and logical skills needed to formulate, analyze, and interpret quantitative arguments in a variety of settings. Statistics is introduced and the use of a calculator is stressed in the course.

### **MATH – 1400 COLLEGE ALGEBRA**

EWC 4 Credits

Grades: 11th & 12th

Fall Semester 0.5 Credits

Prerequisite: Algebra II and GPA 2.0 or better with ACT score of 23 or acceptable Accuplacer score (to receive concurrent credit)

Pre-Calculus Algebra is an advanced course covering advanced algebra topics. Algebraic equations and inequalities are studied as well as the following functions; polynomial, rationals, exponential and logarithmic. Emphasis is placed on graphing relations and functions.

### **STATS 2050 - FUNDAMENTALS OF STATISTICS**

EWC STATS 2050 EWC 4 Credits

Grades: 11 & 12

Spring Semester 0.5 Credits

Prerequisite: Pre- Calculus Algebra 1400 and GPA 2.0 or better (to receive concurrent credit)

This class is being offered to give the student a general background in the basic ideas of Statistics and Probability. The areas that will be covered are: 1. Collecting and organizing data. 2. Sampling methods. 3. Numerical summaries of data. 4. Odds and probabilities. 5. Normal curves and their properties. 6. Areas and percentiles. 7. How these apply to standardize test and the scores people receive. This class will be useful to any student planning to go to College after High School as most schools now require at least one course in this area to earn a degree.

# SCIENCE

3.0 CREDITS NEEDED FOR GRADUATION

Grade 9	Grade 10	Grade 11	Grade 12
Earth Science	Biology I	Chemistry I	Chemistry I
		General Science	General Science
			Physics
			EWC Concurrent Classes
			Biology 1000
			Geology 1070

All students will be required to take and pass three different science classes for graduation from Glenrock High School.

## EARTH SCIENCE

Grades: 9th - Prerequisites: None

2 Semester 1.0 Credits

This course is an interdisciplinary approach to the study of the earth and its environment. Major topics covered are: Mountain building and plate tectonics, astronomy, weathering and erosion, earth history, geology, meteorology, and selected topics concerning the metric system.

## BIOLOGY

Grades: 10th, 11th, 12th – Prerequisites: None.

2 Semesters 1.0 Credits

This course offers a basic beginning curriculum based on a set of four Credits including: cells, genetics, evolution and ecology. Individual topics (usually projects) are student selected and include research, experiments, and reports.

## CHEMISTRY

Grades: 11th, 12th - Prerequisites: Biology, successful math background is suggested. (Algebra I is the required minimal level and Algebra II is recommended.)

2 Semesters 1.0 Credits

Students will relate matter to its reactions, focusing on the atomic nature of matter, the elements, general chemical principles, chemical reactions, and the general mathematical and laboratory skills related to chemistry. Students will apply general principles of chemistry to the real world.

## GENERAL SCIENCE

Grades: 11th, 12th - Prerequisites: Earth Science

2 Semesters 1.0 Credits

Students will define problems which require both qualitative and quantitative analysis, develop possible solutions for major global problems by breaking them down into smaller problems that can be tackled with science and engineering methods, evaluate potential solutions by considering a wide range of prioritized criteria, and anticipate possible societal and environmental impacts.

## PHYSICS

Grades: 12th - Prerequisites: Trigonometry

2 Semesters 1.0 Credits

Physics students will develop investigative skills, mathematical problem solving skills, and independent and creative thinking skills, as well as effective report writing skills applied to solving problems related to the topics of nuclear energy, thermodynamics, forces, energy and motion.



## **Eastern Wyoming College- Concurrent- Science**

### **GEO 1070 - THE EARTH: ITS PHYSICAL ENVIRONMENT**

EWC GEO 1070 EWC 4 Credits

1 Year - 12th - Prerequisites: Earth Science, Biology, and Chemistry or General Science.

2 Semesters 1.0 Credits

This year long course is designed as an Introduction to Geology course. Discusses selected topics from geology, astronomy, and meteorology illustrating fundamental concepts, processes, products and the interrelationships among them. Emphasizes nature of science and relationship between selected topics and society.

### **BIOL 1000 - BIOLOGY (Offered online via Canvas through Douglas High School)**

EWC BIOL 1000 EWC 4 credits

Grade 12

Two Semesters 1.0 Credits

Prerequisite: An appropriate score on the English, Math, and Reading placement exam

Presents major concepts of biology, cell structures and functions, energy relations, genetics, molecular biology, and evolutionary theory for students majoring in sciences.

## **FOREIGN LANGUAGE**

**Foreign Language will be taught on line through Acellus.**

For more information on Acellus- [acellus.com](http://acellus.com)

This will increase our offerings to Spanish, German, and French for our students.

**SPANISH I-**

**SPANISH II**

**SPANISH III**

**GERMAN I**

**GERMAN II**

**FRENCH I**

**FRENCH II**

## PHYSICAL EDUCATION

Grade 9	Grade 10	Grade 11	Grade 12
PE I	PE II/Health	EWC College Credit	EWC College Credit
		Heavy Resistance Cond 1273	Heavy Resistance Cond 1273

### **PHYSICAL ED I**

Grades: 9th - Prerequisites: None

1 Year 1.0 Credits

This course is designed to introduce students to individual sports, lifetime activities, and basic team sport strategies. Written tests, skill tests, and participation are the areas of grading in this course. Instruction in skills in each activity will be emphasized to enhance those basic skills acquired in previous physical education classes. We will begin to look at the wellness model and how it can be applied for each student. Also included within the PE I curriculum is our "Too Good For Drugs" education program.

### **PHYSICAL ED II**

Grades: 10th, 11th, 12th - Prerequisites: Physical Ed I

1 Semester 0.5 Credits

This course is designed with 4 objectives: 1. Improve the physical fitness level of each student using all of the training systems available to us. 2. Examine how individual and lifetime sports and activities can enhance one's fitness level and lifestyle. 3. Learn how to implement the wellness model into their lifestyle. 4. Learn and execute the steps involved in CPR.

### **HEALTH**

Grades: 10th, 11th, 12th - Prerequisites: Physical Ed I

1 Semester 0.5 Credits

This course is designed to enhance the lifestyle of each student. Students will learn that good health habits can improve the following areas: Self-image, prevention of illness, performance in school and other activities, and interaction with peers. Good health is simply a way of living each day that includes choices and decisions based on healthy attitudes.

## **Eastern Wyoming College- Concurrent- Physical Education**

### **PEAC 1273 - HEAVY RESISTANCE COND**

Grades: 11th, 12th - Prerequisites: Physical Education II and Health

EWC 1.0 Credits HS .5 credits

This course is designed to improve the fitness level of each student. The primary fitness emphasis is weight lifting. Time will be spent developing the areas of fitness: muscle strength, endurance, cardiovascular fitness, and flexibility. We will use aerobic exercise, strength training, and other training programs to promote a healthy physical self. Every student will work out every class period.

# COMPUTER SCIENCE/BUSINESS

*1.0 UNIT NEEDED FOR GRADUATION*

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
Exploring Computer Tech-Req	Exploring Computer Tech-Required for next year's 10 <sup>th</sup> gr	Personal Finance-Req	Microsoft Office Specialist I
Digital Video	Microsoft Office Specialist I	Microsoft Office Specialist I	Microsoft Office Specialist II
Digital Video II	Microsoft Office Specialist II	Microsoft Office Specialist II	Workplace Basics
	Workplace Basics	Business Publishing I	Business Publishing I
	Business Publishing I	Business Publishing II	Business Publishing II
	Business Publishing II	Digital Video	Personal Finance
			<b>EWC College Credit</b>
			Desktop Publishing 1850

## **INTRODUCTION TO BUSINESS**

**9<sup>th</sup> Grade requirement**

### **MICROSOFT OFFICE SPECIALIST CERT (MOS)-I**

Grades: 9th,10th, 11th, 12th Grade

1 Semester 0.5 Credits

The purpose of this class is to focus on three specific parts of the Office Suite: Word and PowerPoint. Near the end of this course, the goal will be to pass the Word MCAS test given by Microsoft so that each and every student can become MCAS certified. Having a MCAS certification on your resume, college/scholarship applications, and job applications is just one more way to show your expertise in the area of computer software

### **MICROSOFT OFFICE SPECIALIST (MOS)-II**

Grades: 9th, 10th, 11th, 12th Grade Prerequisites: Microsoft Office Specialist I

1 Semester 0.5 Credits

The purpose of this class is to focus on three specific parts of the Office Suite: Excel and Access. Near the end of this course, the goal will be to pass the Word MCAS test given by Microsoft so that each and every student can become MCAS certified. Having a MCAS certification on your resume, college/scholarship applications, and job applications is just one more way to show your expertise in the area of computer software.

## **SPORTS MARKETING**

Grades: 11th, 12th Grade

1 Semester 0.5 Credits-

Sports Marketing is a course designed to teach marketing concepts through (applied to) the sports and entertainment industry. ... In addition to marketing overview, this course is designed to show how advertising, sales, and event marketing and communications are important.

### **CODING I and II**

Grades: 10th, 11th, 12th Grade

1 Semester 0.5 Credits-

Introduction to **Coding** covers a basic introduction to the principles of **programming**, including algorithms and logic. ... Students will program with variables, functions and arguments, and lists and loops, providing a solid foundation for more advanced study as well as practical skills they can use immediately.

### **BUSINESS PUBLISHING I**

Grades: 10th, 11th, 12th Grade

1 Semester 0.5 Credits-

Knowledge of desktop publishing is vital in many aspects of today's visual business publications. This one-semester class will allow students to develop skills in the areas of desktop publishing, creativity, and decision making. Students will learn and apply basic desktop terminology and concepts, desktop application knowledge, desktop layout rules and standards, message presentation, accuracy, and proofreading. Actual business publishing projects will be completed. Business Publishing I students will focus on the creation of sports programs and the school newspaper, and potentially work on other projects such as business cards, memo pads, posters, and flyers for school and community organizations.

### **BUSINESS PUBLISHING II**

Grades: 10th, 11th, 12th Grade - Prerequisites: Bus Publish I

1 Semester 0.5 Credits –

This class will allow students to continue to develop skills in the areas of desktop publishing, creativity, and decision making. Second semester students will tackle more complex tasks with increased responsibility for their own work. Students in continuing semesters will be asked to take on leadership roles with Business Publishing I students. They will continue their technology education with additional software programs. They will be asked to take on organizational roles for the publishing projects, and will ultimately create a portfolio that showcases their work. Students will learn interviewing procedures, ethics as applied to news writing, and will have the opportunity to write, take photographs and be published in local “Herder Herald” and inserted into the “Glenrock Independent.” Intermediate/advanced skills will be the focus of instruction and projects for students in Business Publishing II, along with reporting, documenting and publishing the school newspaper to cover newsworthy information pertaining to our country, world, state and local issues.

### **PERSONAL FINANCE**

Grades: 11th, 12th Grade

1 Semester 0.5 Credits- -

This course is required to fulfill graduation requirements. It is designed to prepare you to deal with situations every consumer has to face in a free enterprise system. The following areas will be covered: Checking accounts, banking services, use of credit, income tax, housing, insurance, budgeting, consumer rights, career exploration, the job application process, retirement and savings..

# **Eastern Wyoming College- Concurrent- Business**

## **DESKTOP PUBLISHING 1850**

Grades: 10th, 11th, 12th Grade - Prerequisites: Bus Publish II

2 Semester 1.0 Credits

This course is designed to provide an understanding and practical application of computer desktop publishing emphasizing hands-on learning. Topics include but are not limited to single and multi-page publications, editing text, colors, and graphic design objects to create school newspaper, high school sports programs, brochures, and advertisements for the high school.

# FINE/APPLIED ARTS

1.0 CREDITS NEEDED FOR GRADUATION

## MUSIC

Vocal Music	Instrumental Music
Concert Chorale	Jazz Ensemble
	Beginning Guitar
<b>EWC College Credit</b>	Concert Band
Collegiate Chorale 1400 (11 <sup>th</sup> & 12 <sup>th</sup> Gr only)	<b>EWC College Credit</b>
	College Band 1378 (11 <sup>th</sup> & 12 <sup>th</sup> Gr only)

### **BEGINNING GUITAR**

Grades: 9th, 10th, 11th, 12th

1 Year 1.0 Credits

This is a year-long class in which students will learn the basics about playing acoustic guitar (sometimes known as the classical guitar). The class will include learning how to read printed music as well as chord symbols. There are no pre-requisites - the class is open to anyone who is interested regardless of their musical background. Each student will need their own acoustic guitar (non-electric), though the school does have a few available to rent.

### **JAZZ ENSEMBLE**

Grades: 9th, 10th, 11th, 12th- Prerequisites: Admission by audition only. Seniors graduating at semester must let the director know before signing up.

1 Year 1.0 Credits-

The jazz ensemble is composed of a select group of instrumentalists who study and perform various styles of jazz and rock music. Performances include evening concerts and jazz festivals. All jazz band members are automatically members of the concert band and are strongly encouraged to participate in Pep Band.

### **CONCERT BAND**

Grades: 9th, 10th, 11th, 12th- Prerequisites: Open to any student who has successfully completed Middle School Band.

1 Year 1.0 Credits

This class is for all woodwind (flute, oboe, clarinet, bassoon, saxophone), brass (trumpet, French horn, trombone, baritone, tuba), and percussion players. The Concert Band is the primary instrumental music group at GHS. In Concert Band, students study music theory and history while performing various styles of music. The band gives several evening concerts and also performs at district and other festivals. All band students have the opportunity to audition for different state and national honor groups. Participation in the Pep Band is also encouraged.

### **CONCERT CHORALE**

Grades: 9th, 10th, 11th, 12th - Prerequisites: None

1 Year 1.0 Credits

Chorale participants will study basic vocal production, sight singing, music theory, history, and appreciation. The group will perform a variety of music styles. Performances will include evening concerts, festivals, and civic appearances. Members will have an opportunity to audition for state and national honor groups throughout the year.

## **Eastern Wyoming College- Concurrent- Band/Choir**

### **COLLEGE BAND 1378**

EWC MUSIC 1378 EWC 1 Credit

Grades: 11th, 12th - Prerequisites: 9th & 10th Gr Band

1 Year 1.0 Credits

This class is for all woodwind (flute, oboe, clarinet, bassoon, saxophone), brass (trumpet, French horn, trombone, baritone, tuba), and percussion players. The Concert Band is the primary instrumental music group at GHS. In Concert Band, students study music theory and history while performing various styles of music. The band gives several evening concerts and also performs at district and other festivals. All band students have the opportunity to audition for different state and national honor groups. Participation in the Pep Band is also encouraged.

### **COLLEGIATE CHORALE 1400**

EWC MUSIC 1400 EWC 1 Credit

Grades: 11th, 12th - Prerequisites: 9th & 10th Gr Choir

1 Year 1.0 Credits

This class is for all woodwind (flute, oboe, clarinet, bassoon, saxophone), brass (trumpet, French horn, trombone, baritone, tuba), and percussion players. The Concert Band is the primary instrumental music group at GHS. In Concert Band, students study music theory and history while performing various styles of music. The band gives several evening concerts and also performs at district and other festivals. All band students have the opportunity to audition for different state and national honor groups. Participation in the Pep Band is also encouraged.

# AGRICULTURE

Grade 9	Grade 10	Grade 11	Grade 12
AG- Food and NR	AG- Food and NR	AG- Food and NR	AG- Food and NR
AG- Power and Structural	AG- Animal Science	AG- Animal Science	AG- Animal Science
	AG- Power and Structural	AG- Power and Structural	AG- Power and Structural
	AG - Business	AG - Business	AG - Business

## AG- FOOD AND NATURAL RESOURCES

Grades: 9th, 10th, 11th, 12th

Two Semesters 1.0 Credits

Introduction to agriculture is a beginning level course in the area of agriculture. The class is designed to introduce the areas of Animal, Meat, Crop, Horticulture and Soil Sciences, Agriculture Mechanics, as well as enhance leadership and public communication skills.

## AG-BUSINESS

Grades: 10th, 11th, 12th

Two Semesters 1.0 Credit

Prerequisites: Agriculture Education I

This course introduces the fundamental concepts of agriculture business within the framework of how the agriculture industry operates and functions in a global economy. It focuses on the basic principles of the issues and concepts that agricultural businesses and markets encounter.

## AG-ANIMAL SCIENCE

Grades: 10th, 11th, 12th

Two Semesters 1.0 Credit

Lectures focus on the selection, nutrition, reproduction and management of horses, beef cattle, goats, swine and sheep. Other topics taught in a general animal science course include animal anatomy and physiology, animal diseases and animal research. General animal science courses typically require laboratory hours.

## AG-POWER AND STUCTURAL (Welding 1)

Grades: 9th, 10th, 11th, 12th - Prerequisites: None

1 Semester 0.5 Credits

This course is designed to give the student basic knowledge in sheet-metal, oxygen-acetylene welding, and wrought metal. Written tests, shop performance, and projects are basic areas of grading in this course. Required projects are assigned to demonstrate learned skills in the operation of various machines.

Welding is designed to acquaint the students with the safe use of oxyacetylene, M.I.G., T.I.G., and stick arc welding equipment. Students will be required to construct several types of welds in each area. **A fee will be charged for the actual cost of the materials for a large or extra project you are taking home.**



## INDUSTRIAL ARTS

Grade 9	Grade 10	Grade 11	Grade 12
Basic Woods	Basic Woods	Basic Woods	Basic Woods
Drafting I	Drafting I	Drafting I	Drafting I
AG- Power and Structural	AG- Power and Structural	AG- Power and Structural	AG- Power and Structural
	Machine Woods	Machine Woods	Machine Woods
	Mechanical Drafting	Mechanical Drafting	Mechanical Drafting
	Welding II	Welding II	Welding II
		<b>EWC College Credit</b>	<b>EWC College Credit</b>
		Welding III	Welding III
		Woods III	Woods III

### **BASIC WOODS**

Grades: 9th, 10th, 11th, 12th - Prerequisites: None

1 Semester 0.5 Credits

The beginning woods course is designed to give the student basic knowledge in wood technology, safe hand tool operation, joinery, and basic machine operation. Written tests, shop performance, and projects are the basic areas of grading in this course. Required projects are assigned to demonstrate skills in the use of the various hand tools and machines

### **BASIC DRAFTING**

Grades: 9th, 10th, 11th, 12th - Prerequisites: None

1 Semester 0.5 Credits

Drafting I (Basic Technical Drawing) is designed to provide students with a working knowledge of drafting tools, equipment, sheet format, geometric construction, isometric construction and the ability to visualize objects in three dimensions. The course will also give the student an introduction to AutoCAD. **THE ABILITY TO DRAW IS NOT NECESSARY TO BE SUCCESSFUL IN THIS CLASS.**

### **WOODS II**

Grades - 10th, 11th, 12th - Prerequisites: Basic Woods and Drafting I

1 Semester 0.5 Credits

Machine woodworking is designed for the student who successfully achieved the basic skills of safety, machine operation, and joinery in the beginning woodworking class. Students are required to build projects of their own design using the skills previously mentioned. Written tests, shop performance and projects are the basic areas of grading for this course. **A fee will be charged for the actual cost of the materials for a large or extra project you are taking home.**

### **MECHANICAL DRAFT -1** (Offered 2019-2020)

Grades: 10th, 11th, and 12th -Prerequisites: Drafting I with a passing grade (ONLY offered alternate years)

1 Year 1.0 Credits

This course is designed to give the student experiences in Technical Drawing using the computer to make drawings of gears, weldments, fasteners and isometrics. Students will work with computer operated lathes and mills to produce projects such as chess pieces.

### **ARCHITECT DRAFT/CONSTRUCTION TECH (Offered 2020-2021)**

Grades: 10th, 11th, 12th -Prerequisites: Drafting I with a passing grade (ONLY offered alternate years)

1 Year 1.0 Credits

This course is designed to give an overview of the architecture and construction industry. The class will be split into part classroom and part hands-on. Students will prepare drawings using 3D CAD programs to design a residential house on the computer. Students will also learn hands-on introductory skills into the particulars of construction; including concrete, framing, plumbing, electrical, drywall, tiling, and roofing. **A fee will be charged for the actual cost of the materials for a large or extra project you are taking home.**

### **WELDING II**

Grades: 10th, 11th, 12th - Prerequisites: Welding I

1 Year 1.0 Credits

Welding is designed to acquaint the students with the safe use of oxyacetylene, M.I.G., T.I.G., and stick arc welding equipment. Students will be required to construct several types of welds in each area. **A fee will be charged for the actual cost of the materials for a large or extra project you are taking home.**

## **Eastern Wyoming College- Concurrent- CTE**

### **CNTK 1860 WOODWORKING FUNDAMENTALS (Woods 3)**

Grades: 11th, 12<sup>th</sup> - Perquisites: Successful completion of Basic Woods, Machine Woods and Drafting I

1 Year 1.0 Credits – EWC 4 Credits

Students taking this course will design and construct projects using skills developed in the earlier woodworking classes. Grading will be based on shop performance and projects.

**A fee will be charged for the actual cost of the materials for a large or extra project you are taking home.**

### **WELD 1700 GENERAL WELDING (Welding 3)**

Grades: 11th, 12<sup>th</sup> – Prerequisites: Welding I and either be enrolled in Drafting or have passed Drafting I

1 Semester 1.0 Credits- EWC 3 Credits

The study of shielded metal arc welding, oxyacetylene welding, cutting and brazing processes. The student will develop the skills necessary to produce good quality welds on mild steel joints using filler materials commonly used in industry. Manual oxyacetylene cutting of straight and bevel cuts. Safety practices will be included. 1 hour lecture, 5 hours lab.

### **WELD 1755 METAL ARC WELDING**

Grades: 11-12<sup>th</sup>

1 Semester 1.0 Credits- EWC 5 Credits

Training to develop the manual skill necessary to make high quality shielded metal arc welds in the flat and horizontal positions on mild steel plate, single and multiple pass. To weld using mild steel electrodes, low hydrogen electrodes and iron power electrodes using AC and DC welding power sources. 1 hour lecture, 9 hours lab.

### **ENTK 1510 MECHANICAL DRAFTING**

Grades: 11-12<sup>th</sup>

1 Semester .5 Credits- EWC 1 Credits

This course is an introduction to the fundamental techniques of drafting with the use of drafting instruments and freehand sketching of pictorial and multiview drawings, including the skills of dimensioning and lettering. 1/2 hour lecture, 1 hour lab.

## CULINARY ARTS

Grade 9	Grade 10	Grade 11	Grade 12
Culinary Arts I	Culinary Arts I	Culinary Arts I	Culinary Arts I
	Culinary Arts II	Culinary Arts II	Culinary Arts II
		<b>EWC College Credit</b>	<b>EWC College Credit</b>
		Basic Culinary Skills 1505	Basic Culinary Skills 1510

### **CULINARY ART I**

Grades: 9-12 - Prerequisites: None

1 Year 1.0 Credits–

This course will prepare students for culinary schools, positions in the restaurant industry, as well as restaurant management at a 2 year college, tech school, or 4 year universities. The professional cooking class includes classic preparation and presentation techniques, restaurant management functions and simulation. Labs will include: meat, poultry, seafood preparation, breakfast foods, sandwiches, salads, garnishes, fruits and vegetables. Job shadowing and a community internship will also be a component of this program. Successful completion of Culinary I allows a student to go on to Culinary II which can lead to national certification by the Education Foundation at the National Restaurant Association.

### **CULINARY ART II**

Grades: 10th, 11th, 12th - Prerequisites: Culinary I

1 Year 1.0 Credits–

This course will prepare students for culinary schools, positions in the restaurant industry, as well as restaurant management at a 2 year college, tech school, or 4 year universities. The professional cooking class includes classic preparation and presentation techniques, restaurant management functions and simulation. Labs will include: meat, poultry, seafood preparation, breakfast foods, sandwiches, salads, garnishes, fruits and vegetables. Job shadowing and a community internship will also be a component of this program. Successful completion of Culinary I allows a student to go on to Culinary II which can lead to national certification by the Education Foundation at the National Restaurant Association.

## **Eastern Wyoming College- Concurrent-**

### **CULA 1505 -BASIC CULINARY SKILLS**

Grades: 11th, 12th - Prerequisites: Culinary Art I

1 Year 1.0 Credits –

After learning the fundamentals of general culinary arts, you will expand on these techniques and skills by adding rich new flavors and various cultures to your meals. Throughout an exciting one year period, students study in the classroom, participate in mentoring work experiences, and test their skills in local and national competitions. This class will give students skills to use in the future whether entering the job market or attending college.

### **CULA 1510 SANITATION**

Grades: 11-12

Credits EWC 1 credit

Applied Food Service Sanitation covers the latest developments, procedures, current government standards and emerging issues in Food Services Sanitation. Students will get a head start in understanding Hazardous Analysis Critical Control Point (HACCP), a cutting-edge system that is the hospitality industry's system-of-choice.

## ART

Grade 9	Grade 10	Grade 11	Grade 12
Drawing I	Drawing I	Drawing I	Drawing I
Painting I	Painting I	Painting I	Painting I
	Pottery I	Pottery I	Pottery I
	Drawing II	Drawing II	Drawing II
	Painting II	Painting II	Painting II
	Pottery II	Pottery II	Pottery II

### **POTTERY I**

Grades: 10th, 11th, 12th

1 Semester 0.5 Credits

The elements and principles of design will be introduced and applied to hand built and wheel thrown pottery. The student will be exposed to the variety of techniques in creating hand built and wheel thrown pottery. The mixing and application of glazes will be applied to both areas.

### **POTTERY II**

Grades: 10th, 11th, 12th - Prerequisites: "B" in beginning pottery

1 Semester 0.5 Credits

This course will offer the student who has taken pottery a chance to approach a more in-depth study of hand built or wheel pottery. Experimentation with glazes and clays will be possible. This is an advanced class. You must be able to center and pull pots without help.

### **DRAWING I**

Grades: 9th, 10th, 11th, 12th

1 Semester 0.5 Credits

Subjects studied: One and 2 point perspective, picture plane and scale, still-life and sketching, scaling up a drawing by using squares, animal drawing, sketching, and critiquing art. Materials used: pencil, pen and ink, charcoal, conte, markers. Students will supply a pencil, eraser and sketch book. Sketches will be required!

### **DRAWING II**

Grades: 10th, 11th, 12th Prerequisites: Drawing I (maintained "C" average)

1 Semester 0.5 Credits

Work with a variety of media on a more in-depth level. Charcoal, colored pencil, and pen and ink are just a few types of media used. Realistic and abstract subject matter will be explored as well as the traditional landscape, still life, the human figure, and portraits. This class is designed for the more serious artist.

### **PAINTING I**

Grades: 9th, 10th, 11th, 12th

1 Semester 0.5 Credits

This class is designed to cover several different mediums such as watercolor, mixed media, and acrylic painting. The elements and principles of design will be covered and the student will get a chance to experiment with a variety of paints and painting techniques. You must draw as well.

### **PAINTING II**

Grades: 10th, 11th, 12th Prerequisites: Painting I and permission of the instructor

1 Semester 0.5 Credits

This course will explore advanced techniques of painting in various media. Critiquing art will also be explored.

OTHER

Grade 9	Grade 10	Grade 11	Grade 12
Yearbook I	Yearbook I	Yearbook I	Yearbook I
	Yearbook II	Yearbook II	Yearbook II
		Yearbook III	Yearbook III

**YEARBOOK I, YEARBOOK II, YEARBOOK III**

Grades 11th, 12th - Prerequisites: 9th, 10th grade English and instructor approval

1 Year 1.0 Credits

Yearbook is a course designed to offer students the opportunity to compile a yearbook for the school year. It covers design, layout, copywriting, headline writing, financing, and editing. Because this course involves the publishing of a book, students will be expected to complete both semesters of the class and possibly return following graduation to complete the book. Journalism and photography experience is helpful.

**CNA – Nurse Assistant 1510**

Taught by our school nurse second semester @ GHS

Prerequisite: Student must be 16 years old to take class.

In CNA classes, you'll learn about infection control, taking vital signs and delivering personal care. Topics might also include communication skills and patients' rights. Upon completing your coursework, you'll take the CNA certification exam, which usually includes a multiple-choice exam and a manual skills test

## EASTERN WYOMING COLLEGE CLASSES

# **Glenrock Concurrent Class List**

<b>College Title</b>	<b>Course No.</b>	<b>Class Name</b>	<b>College Credits</b>	<b>HS Credits Per Sem.</b>	<b>Teacher</b>
BIOL	1000	Biology 1000	4	0.5	Mark Steward-Douglas
CNTK	1860	Woodworking Fundamentals	4	0.5	Dever
CO/M	2010	Public Speaking	3	1	Rademacher
CULA	1505	Basic Culinary Skills	3	1	Hopper
CULA	1510	Sanitation 1510	1	0.5	Hopper
ENGL	1010	English 1010	3	1	Rademacher
ENGL	2020	English 2020	3	1	Rademacher
TECH	1005	Technical Writing	3	1	Rademacher
ENTK	1510	Mechanical Drafting 1510	1	0.5	Dever
GEOL	1100	Physical Geology	4	0.5	Schubert
HLTK	1510	Nurse Assistant	4	1	Mrs. Beer
MATH	920	Elementary Algebra 920	3	0.5	W. Kelly
MATH	1000	Problem Solving 1000	3	1	W. Kelly
MATH	1400	Algebra 1400	4	1	W. Kelly
MUSC	1378	College Band-1378	1	0.5	B. Wehr
MUSC	1400	Collegiate Choral-1400	1	0.5	B. Wehr
PEAC	1273	Heavy Resistance 1273	1	0.5	Kumpula
POLS	1000	American & WY Government	3	1	P. Geary
POLS	2000	Current Issues Am. Gov.	3	1	P. Geary
PSYC	1000	PSYC 1000	3	1	Dahlke
PSYC	2300	Developmental PSYC 2300	3	1	Dahlke
PSYC	2340	Abnormal PSYC 2340	3	1	Dahlke
PSYC	2380	Social PSYC 2380	3	1	Dahlke
STAT	2050	Fundamental of Statistics	4	1	W. Kelly
WELD	1700	General Welding	3	0.5	Wondra
WELD	1755	Metal Arc Welding	5	0.5	Wondra