

# GALLUP HIGH SCHOOL COURSE DESCRIPTIONS

## ENGLISH/LANGUAGE ARTS/READING

### ENGLISH I 10014

9<sup>th</sup> Grade Credit: 0.5

Course builds upon the students' prior knowledge of grammar, vocabulary, word usage, and mechanics of writing and usually include the four aspects of language usage: reading, writing, speaking, and listening. Usually, the various genres of literature are introduced and defined, with writing exercises often linked to reading selections.

### HONORS ENGLISH I 10013

9<sup>th</sup> Grade Credit: 0.5

This course utilizes the various literary genres drawn from national Advanced Placement guidelines. Students will be given extensive experience in writing essays to explain and analyze ideas and techniques used in literature. Students must maintain a 74% average in order to stay in the AP program.

### ENGLISH II 10024

10<sup>th</sup> Grade Credit: 0.5

This course will build on English I skills and concepts with refinement in the areas of grammatical/mechanical skills, composition, oral communication, reading, and analysis of the elements of literature including: flashback, simile, metaphor, foreshadowing, symbolism, personification, alliteration. Students will compose research-supported essays and technical forms, make presentations involving the audience and using appropriate language to entertain and present technical information, speak/write personal opinions/recommendations on fiction, nonfiction, technical material, listen to form opinions, make recommendations, persuade others, challenge the speaker and the content. English will be taught through recognized ELD approaches and strategies.

### HONORS ENGLISH II 10023

10<sup>th</sup> Grade Credit: 0.5

This course utilizes the various literary genres drawn from national Advanced Placement guidelines. Students will be given extensive experience in writing essays to explain and analyze ideas and techniques used in literature. Students must maintain a 74% average in order to stay in the AP program.

### ENGLISH III 10034

11<sup>th</sup> Grade Credit: 0.5

This course demonstrates continued performance and enhancement of English I and II skills and concepts including the ability to interpret fiction and nonfiction and relate it to personal life and identify ideas, events emotions, and attitudes in fiction and nonfiction with are important to student. Students will write a variety of quality forms with research support, concrete content, graphics, and clear, logical, precise and simple progression of thought, speak for a variety of purposes with a professional style, read/view/listen to form beliefs and goals and to take a stance on issues of importance and with a focus on American *Literature*. English will be taught through recognized ELD approaches and strategies.

### AP LANGUAGE/COMPOSITION 10002

11<sup>th</sup> Grade Credit: 0.5

This course utilizes student reading works in American Literature recommended by the Advanced Placement College Board program. Literary analysis is the major focus of this class. One half of the course work is devoted to composition. Students must maintain 74% average in order to stay in the AP program.

### ENGLISH IV 10044

12<sup>th</sup> Grade Credit: 0.5

This course demonstrates continued performance and enhancement of English I, II, III skills and concepts, with a focus on British and/or World Literature. Skills to be covered include: interpreting fiction and nonfiction and relate it to personal life, identify ideas, events, emotions, and attitudes in fiction and nonfiction. Students will write a variety of quality forms with research support, concrete content, graphics and clear, logical, precise and simple progression of thought, speak for a variety of purposes read/view/listen to form beliefs and goals and to take stances on issues of importance. English will be taught through recognized ELD approaches and strategies.

### AP LITERATURE/COMPOSITION 10003

12<sup>th</sup> Grade Credit: 0.5

Students read works of world literature recommended by the College Board Advanced Placement program. Literary analysis is the major focus of this class. The course will challenge students to examine concepts, practice analysis and synthesis, and develop mature writing skills through papers of varying lengths. One half of the course work is devoted to composition. Students must maintain a 74% average in order to stay in the AP program.

### CREATIVE WRITING 10042

This course is designed to help students write creatively and understand the elements of literature. Students will apply reading, writing, and speaking skills in the classroom. Students will study different types of genres in literature and apply those concepts to their writings

### JOURNALISM 15146

Course is associated with the production of a school newspaper, yearbook, or literary magazine; therefore, they not only emphasize writing style and technique, but also production values and organization. Beginning journalism courses introduce students to the

concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the basics of production design, layout, and printing of a publication. Advanced students learn and practice more refined journalistic techniques, participate to a greater extent in the formation and/or management of the production team, and gain experience in critical evaluation of story content and the publication as a whole. Photography and photojournalism skills may be included.

## SOCIAL STUDIES

### NEW MEXICO HISTORY 27173

9<sup>th</sup> Grade Credit: 0.5

This survey course supports students to become more knowledgeable and aware of the historical, cultural, economic, and political history of New Mexico and their geographical connections. Students will analyze the role that New Mexico plays in national and international arenas. The 9-12 Social Studies Content Standards, Benchmarks, and Performance Standards should be included as appropriate to the course. Students will analyze the interrelationships among natural and human processes that shape the geographic connections and characteristics of regions, including connections among economic development, urbanization, population growth, and environmental change. They will do this through map drawing, discussion of videos and textbook sources, short cycle assessments and quarterly exams.

**\*Students will be required to keep a three-ring binder.**

**\*Students will complete an oral history project.**

### HONORS NEW MEXICO HISTORY 27175

9<sup>th</sup> Grade Credit: 0.5

Students will analyze how people and events of New Mexico have influenced United States and world history since statehood. Students will also understand the unique role of New Mexico in the 21<sup>st</sup> century. They will do this through discussion of videos and textbook sources. Student will use this class as a precursor (but not a requirement) for all further Honors/AP classes in Social Studies.

Students will have an advanced study that analyzes the interrelationships among natural and human processes that shape the geographic connections and characteristics of regions, including connections among economic development, urbanization, population growth, and environmental change. They will do this through map drawing, discussion of videos and textbook sources, and essays.

### WORLD HISTORY 27063

10<sup>th</sup> Grade Credit: 0.5

A course of study for understanding historical connections among the past, present, and future. World civilizations, regions of the world, government systems, and the humanities will be studied. Maps, graphs, timelines, charts, and study skills may also be applied. Projects and research papers will be required.

### HONORS WORLD HISTORY 27064

10<sup>th</sup> Grade Credit: 0.5

The purpose of the Honors World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence.

Focused primarily on the past thousand years of global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000C.E. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from that point to the present. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. This prepares the student for the AP World History exam.

**Projects and/or papers will be required.**

### UNITED STATES HISTORY 27293

11<sup>th</sup> Grade Credit: 0.5

Prerequisite: World History

A general course of United States History covering 1850 to Present. Students will examine the past from a perspective that is significant and applicable to the present. This will include chronological structure, cause and effect relationships, and critical analysis of important events and movements. Themes such as political, constitutional, and military topics will be addressed. In addition, geographic economic, religious, cultural, intellectual, and social influences will be integrated into the course curriculum. Projects and/or research papers will be required.

### AP UNITED STATES HISTORY 27255

11<sup>th</sup> Grade Credit: 0.5

Prerequisite: World History

An advanced course of United States History covering from the beginning to Present. Students will examine the past from a perspective that is significant and applicable to the present. This will include chronological structure, cause and effect relationships, and critical analysis of important events and movements. Themes such as political, constitutional, and military topics will be addressed. In addition, geographic economic, religious, cultural, intellectual, and

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social influences will be integrated into the course curriculum. Projects and/or research papers will be required. Prepares students for the AP exam in US History.

## GOVERNMENT/ECONOMICS 27303

12<sup>th</sup> Grade Credit: 0.5

Prerequisite: World History, US History

A study of the Constitution, electorate, elections, agencies and government organizations at the federal, state, and local levels. The free enterprise system and other economic systems will be a component of this course. Projects and/or research papers will be required.

## AP GOVERNMENT/ECONOMICS 27365

12<sup>th</sup> Grade Credit: 0.5

Prerequisite: World History, US History

A study of the Constitution, electorate, elections, agencies and government organizations at the federal, state, and local levels. The free enterprise system and other economic systems will be a component of this course. Projects and/or research papers will be required.

Prepare students for the AP exam in US government and politics.

## MATH

### ALGEBRA I 20313

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades Credit: 0.5

This course will develop the connection between arithmetic and algebraic principles, students will be able to simplify expressions using real numbers, determine solve and graph linear equations with one or more variables, polynomials, solve and graph linear inequalities, solve equations which contain rational expressions, solve quadratic equations by factoring. Appropriate use of calculators and technology will be interwoven to enhance the curriculum.

### GEOMETRY 20343

Prerequisite: Algebra I Credit: 0.5

This course emphasizes abstract and logical thinking through inductive and deductive reasoning. Concepts of space geometry will be integrated with plane geometry throughout the course. This course will cover the basic structure of geometry and proficiency in developing formal proofs. Algebraic skills will be reviewed, as well as an introduction to reflections, and rotations and practical theoretical applications.

### HONORS GEOMETRY 20344

Credit: 0.5

Incoming 9<sup>th</sup> Graders with completion of Algebra I in 8<sup>th</sup> grade

This course includes the extension studies of the structure of geometry and will emphasize the development of formal deductive proofs. Algebraic skills (including use of systems of equations and quadratic equations) will be reviewed and strengthened. Other areas emphasized will be right angle trigonometry, areas and volumes, constructions, coordinate geometry, transformation. Student will be required to prepare a special project each 9 weeks, such as a research paper, a computer generated project or a science fair project.

### ALGEBRA II 20413

Prerequisite: Algebra I, Geometry Credit: 0.5

This course will cover the following topics: solving, graphing and analyzing linear equations and inequalities, solving, graphing and analyzing equations/inequalities by various methods, solving, graphing and analyzing systems of equations/inequalities by various methods, applying functions, using exponential and logarithmic functions, performing operations and solving equations using complex numbers, and performing operations and solving equations using radicals.

### HONORS ALGEBRA II 20415

10<sup>th</sup>, 11<sup>th</sup> Grades Credit: 0.5

Prerequisite: Honors Geometry with a B or higher, teacher recommendation.

This course is designed for the advanced level student who desires a more challenging course of study. Throughout this course, students will develop a more in-depth study of the concepts of analyzing and interpreting data, problem solving, and functions. This course will move at an accelerated pace allowing additional topics to be incorporated into the curriculum.

### HONORS TRIGONOMETRY/PRE-CALCULUS 20435

11<sup>th</sup>, 12<sup>th</sup> Grade Credit: 0.5

Prerequisite: Algebra II, Geometry

This course is designed to provide a solid preparation for students who intend to continue their study beyond the high school level. The study of the six trigonometric functions, their values, graphs inverses and relationships to one another, as well as their application to solving triangles and trigonometric functions that are developed with use of the Law of Cosines and the Law of Sines. Students will also develop, prove graphing circular functions and their inverses and a review of Algebra II. This course is designed to provide a solid preparation for students who intend to continue their study beyond the high school level. It includes the following areas: functions, theory of equations, circular and trigonometric functions and their inverses, and complex numbers, logs exponential functions.

### TRANSITION TO COLLEGE MATH 20453

12<sup>TH</sup> Grade Credit: 0.5

Prerequisite: Algebra II

This course is designed to help seniors whose intention is to improve their math skills and their understanding of concepts in order to place

into credited college math courses. The primary emphasis of the course is to strengthen, review and extend algebraic topics. This course will help prepare students for the ACT.

## APPLIED MATH 20121

This course aligns to the high school standards for Algebra I and Algebra II, with an emphasis on application. The standards are used in a contextual environment. The fundamental purpose of this course is to extend the mathematics that students learned in Algebra I and Algebra II through applications. This course is strategically utilized as a bridge between Algebra I and Algebra II to increase math skills in order to be successful in Algebra II.

## HONORS CALCULUS 11039

11<sup>TH</sup>, 12<sup>TH</sup> Grade Credit: 0.5

Prerequisite: Algebra II & Pre-Calculus

This course includes but is not limited to derivative as a rate of change, intuitive, numerical and theoretical concepts, applications to graphing, trigonometric and exponential functions, integral as a sum relation between integral and derivative, applications, mean value theorem.

## SCIENCE

### GENERAL BIOLOGY 17114

ALL 9<sup>th</sup> grade Credit: 0.5

This lab course teaches the four big ideas in modern biology; including cell biology, genetics, ecology and evolution. Students will become proficient in the scientific method and laboratory skills. Students will appreciate the importance of biology in his/her daily life. Students will gain experience and skill in critical and creative thinking and problem solving.

### HONORS BIOLOGY 17115

9<sup>TH</sup> Grade Credit: 0.5

Prerequisite: Teacher Recommendation

This course is an accelerated Biology Lab course that will emphasize scientific investigation and inquiry. Students will learn cell structure and function, ecology and biological interaction, the importance of diversity among species, the basis of genetics and how and why organisms change over time. In addition, students will explore the flow of matter and energy through an ecosystem. Some basic chemistry and biochemistry will also be covered. This course will increase the student's awareness of the importance of living ecosystems.

### PHYSICAL SCIENCE 17033

ALL 10<sup>th</sup> Grade Credit: 0.5

Prerequisite: Teacher Recommendation

This course involves the study of the structures and state of matter. Typically, this is (but not always) an introductory survey course. Topics covered may include forms of energy, wave phenomenon, electromagnetism, physical and chemical interactions, motion and forces.

### HONORS PHYSICAL SCIENCE 17035

10<sup>th</sup> Grade Credit: 0.5

Prerequisite: 10<sup>th</sup> graders may take this class if recommended by teacher, IEP Team or parent because it is an accelerated course.

This course involves the study of the structures and state of matter. Typically, this is (but not always) an introductory survey course. Topics covered may include forms of energy, wave phenomenon, electromagnetism, physical and chemical interactions, motion and forces.

### AP CHEMISTRY 12003

10<sup>th</sup> Grade Credit: 0.5

Prerequisite: Algebra I "B" or better, Teacher Recommendation

AP Chemistry is designed to prepare students with the strong academic background and skills required to pursue science related careers and university-level studies in science. The study of chemistry deals with matter, its structure and composition and how it changes. The principles learned will be applied to the physical states of matter, chemical reactions and bonding. Laboratory experiments and demonstrations are used to teach safety procedures, the use of the lab equipment and various experimental techniques. Math is applied in the calculation of chemical quantities. This a college preparatory course of serious students designed to develop scientifically literate citizens through an understanding of the methods of science and role of chemistry in society and everyday life. Chemistry is a rigorous course requiring motivation, attention, effort, study time and responsibility. This course satisfies the laboratory science requirement for graduation.

### ANATOMY AND PHYSIOLOGY 17133

11<sup>th</sup> & 12<sup>th</sup> Grade Credit: 0.5

Prerequisite: Biology

A laboratory oriented study of the human body. It includes the structure and function of the integumentary, skeletal, muscular, nervous, endocrine, digestive, respiratory, urinary, circulatory, lymphatic, and reproductive (male & female) systems. Appropriate vocabulary and terminology is stressed.

# GALLUP HIGH SCHOOL COURSE DESCRIPTIONS

## EARTH AND SPACE SCIENCE 17063

11<sup>th</sup> & 12<sup>th</sup> Grade Credit: 0.5

### **Prerequisite: Teacher Recommendation**

This course offers opportunities to study the earth-moon system, solar system, stars, galaxies and interstellar bodies through the use of actual observations, models and model making and technique in basic astrophysics and geometry. Astronomical instruments will be introduced and used. Theories regarding the origin and evolution of the universe, space and time might be explored. The concepts and principles essential to an understanding of the dynamics and history of the earth may be explored including these topics: oceanography, geology, meteorology and geography.

## HONORS EARTH AND SPACE SCIENCE 17055

11<sup>th</sup> & 12<sup>th</sup> Grade Credit: 0.5

### **Prerequisite: 11<sup>th</sup> & 12<sup>th</sup> graders may take this class if recommended by teacher, IEP Team or parent because it is an accelerated course.**

This course offers opportunities to study the earth-moon system, solar system, stars, galaxies and interstellar bodies through the use of actual observations, models and model making and technique in basic astrophysics and geometry. Astronomical instruments will be introduced and used. Theories regarding the origin and evolution of the universe, space and time might be explored. The concepts and principles essential to an understanding of the dynamics and history of the earth may be explored including these topics: oceanography, geology, meteorology and geography.

## AP PHYSICS 17355

11<sup>th</sup> & 12<sup>th</sup> Grade Credit: 0.5

### **Prerequisite: Previous science class or Algebra II "B" or better High school introductory physics course covering: Velocity, acceleration, forces, vectors, static, electricity magnetism.**

## DUAL CREDIT BIOLOGY BIOL112L

11<sup>th</sup> & 12<sup>th</sup> Grade

### **Prerequisite: Previous science class "B" or better or Teacher Recommendation**

This lab course is an accelerated curriculum in biological science to help prepare students for their college biology requirement. The curriculum includes in-depth study of cell structure, biochemistry as related to photosynthesis and respiration, genetics, plant and animal physiology, reproduction, development, behavior and ecology.

## DUAL CREDIT ANATOMY & PHYSIOLOGY BIOL139L

11<sup>th</sup> & 12<sup>th</sup> Grade

### **Prerequisite: Previous science class "B" or better or Teacher Recommendation**

This is a college freshman level course for students desiring a rigorous challenging presentation of anatomy and physiology concepts. Dual Credit for B101 136/139L may be earned with UNMG. This laboratory oriented study of the human body will focus on biochemistry, cells, histology and the integumentary, skeletal, muscular, and nervous systems. Appropriate vocabulary and terminology is stressed.

## MESA (Math, Engineering, Science Achievement) 07002

### **ELECTIVE CREDIT**

A pre-college program that prepares students for college and careers in science, technology, engineering and math (STEM) fields. MESA supports student clubs and classes, administered by Advisors (teachers), in middle and high schools throughout New Mexico. NM MESA students participate in a variety of enriched STEM activities including field trips, speakers, workshops, regional and statewide academic competitions, and community service and leadership development projects. NM MESA provides funding and logistical support for these and other activities. The student participates in a variety of inquiry based projects, competitions, for those interested in mathematics, engineering, science, and related fields (e.g. robotics, tower/bridge construction and boat design).

## PHYSICAL EDUCATION

### PHYSICAL EDUCATION I 23053

This course provides experience and develops skills in a range of activities, from more than one of the following areas: team, individual, dual or recreational sports, or fitness and conditioning activities.

### WEIGHTS CONDITIONING 19120

A **strength and conditioning class** that emphasizes constantly-varied, high-intensity functional movement. Work cardiovascular endurance, stamina, **strength**, flexibility, power, speed, coordination, agility, balance, and accuracy, maximizing your performance and fitness for any physical challenge or activity!

### DRIVERS EDUCATION 19036

#### **Prerequisite- open to 10th graders and above because of age requirements.**

This course provides students with the knowledge to become safe drivers on roadways. Legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting driver's capability (including alcohol and other drugs) are all included as topics of this course.

## HEALTH 14014

9<sup>th</sup> Grade

This course provides knowledge and skills practice in a variety of health topics including the six CDC health risk behaviors, and must be aligned with the 9-12 PED Health Education content standards with benchmarks and performance standards. This course will meet the graduation requirement for Health Education.

## FAMILY & CONSUMER SCIENCE

### INTRODUCTION TO CULINARY ARTS I 05083

This course introduces the student to Standard for the Food Service Industry. The curriculum covers Food Safety and Sanitation, proper workstation set up for production of food. Proper knife skills and maintenance of knives is taught and practiced. Basic nutrition and recipe reading is concluded along with familiarizing students to the vocabulary and math skills needed to alter recipes using the conversion factor so that production of food is scaled to the quantity needed. Food costing math is introduced and practiced throughout the course. Students will create a portfolio to include a resume cover letter, writing of memos all in the context of worksite communication. The soft skills needed to succeed in the work force are taught and practice, for example: greeting customers, handling complaints, team building and problem resolution. Students have the opportunity to take the NM Food Handlers Permit exam and receive that certification when they pass the exam. ProStart Yr 1 exam is also offered for the National Restaurant Education Foundation.

### INTERMEDIATE CULINARY ARTS II 05123

#### **Prerequisite: Culinary Arts I with "C" or better**

This course continues building on the cooking skills introduced in the first course. Course includes, fabrication of meats, breakfast, salads, and the production of various salad dressings and vinaigrettes. Several business concepts are introduced that apply to the successful operation of a business to conclude cost control, purchasing, inventory, marketing and market analysis. Students will apply this knowledge to creating a business plan for the creation of a restaurant. They will create a menu for this restaurant and present their plans to the class as final project. Sustainability in the food service industry will be introduced along with global cuisine. Students have the option to take this class as dual credit offer by ENMU and are encouraged to take the ServSafe manager exam and/or ProStart Yr 2 exam for certification. Successful completion of this course enables the student to go on an off campus work study/internship to acquire the 400 hrs work experience that the National Restaurant Education Foundation offers in order to take their certification exam which is a qualifier for scholarships with the National and State Restaurant Associations.

### BAKING AND PASTRY III 05124

#### **Prerequisite: Culinary Art I and II with "C" or better**

This course focuses on the baking and pastry arts component of the culinary world. The focus is on production of Quick Bread, Yeast Breads, Cakes, pies and pastry, candy production and work with chocolate, desert sauce and plating techniques. Measurement and scaling of ingredients is very important in this course as this is the corner student to successes in the baking industry along with mixing techniques and proper handling of each formula. Students practice each technique several times to become familiar and competent in the production of each item.

## FINE ARTS & MUSIC

### ART I (Beginning) 11503

This is a foundation art course and is the prerequisite for all other art classes. The focus is on elements and principles of design using a variety of two-dimensional and three-dimensional media. Hands-on experiences will be stressed with art history and careers. This is a prerequisite for all other visual art courses.

### ART II (Intermediate) 11613

#### **Prerequisite: Art I with a "B" or better.**

This course is for students with previous Fine Arts experience who wish to expand and refine their skills. Problems are selected to encourage experimentation and expression using a variety of media and topics.

### ART III (Advanced) 11633

#### **Prerequisite: Art II with a "B" or better or Instructors Approval**

This course is designed for students with exceptional ability desiring to refine their personal style and expression. Various materials and problems are presented to the students. student to develop and refine personal style and plan on furthering their education in the art field.

### APPLIED MUSIC 11493

Open to students who already play an instrument or sing. This is open to any instrument or vocal type. Students will practice their craft during and outside of school and participate in monthly performances as well as the Solo and Ensemble competition in April. Students will advance their knowledge of music theory and literacy. Prerequisites include providing your own instrument and musical experience.

### BAND 11203

Performing group that features wind, brass and percussion instruments. Marching band and concert band performances are all required. Musical experience is preferred and private lessons are highly encouraged for all participants.

# GALLUP HIGH SCHOOL COURSE DESCRIPTIONS

## FOREIGN LANGUAGE

### NAVAJO LANGUAGE I 10296

These courses teach the language of the native people, the Dine' usually through a series of sequential courses. First year courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write and speak on a basic level. Second-year courses enable students to expand upon what they have learned, increasing their skills and depth of knowledge.

### NAVAJO LANGUAGE II 10297

#### **Prerequisite: Navajo I**

These courses teach the language of the native people, the Dine' usually through a series of sequential courses. First year courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write and speak on a basic level. Second-year courses enable students to expand upon what they have learned, increasing their skills and depth of knowledge.

### NAVAJO GOVERNMENT 27403

The class will present an overview of Navajo Government, history, traditions, and myths; from origins of the tribe to the present. The class is required for those who anticipate receiving a Chief Manuelito Scholarship. Projects and/or papers will be required.

### SPANISH I 12523

These sequential courses teach the Spanish language and the richness of Hispanic culture. First year courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write and speak on a basic level.

### SPANISH II 12533

#### **Prerequisite: Spanish I**

These sequential courses teach the Spanish language and richness of Hispanic culture. Second-year courses enable students to expand upon what they have learned, increasing their skills and depth of knowledge.

## VOCATIONAL/CAREER TRADES

### CONSTRUCTION TRADES I 15357

This course is designed to introduce the student to Construction Trades. During the year, students will learn workshop safety, construction math, construction drawings and be introduced to the use of hand and power tools. Students will follow a series of wood projects to demonstrate the knowledge and understanding of the equipment in the workshop. Students will be tested at appropriate intervals to demonstrate knowledge and understanding. This course is intended to lead to a Safety Certification under the NCCER system

### CONSTRUCTION TRADES II 15358

#### **Prerequisite: Construction Trades I**

Second year of this course will build/construct a series of demonstration joints used in the construction industry. Students will build a scale size building using methods learned in CT I. Student will be tested at appropriate intervals to demonstrate knowledge and understanding. This course is intended to lead to the completion of the Safety Certification under the NCCER system.

### CONSTRUCTION TRADE III 15355

#### **Prerequisite: Construction Trades II**

During the final year of this course, students will learn to use the latest techniques and equipment in the plumbing industry. Students will learn how electricity is generated and the stages it goes through before it reaches a home, they will also learn basic wiring as used in the home. Students will investigate alternative forms of energy production, (wind, solar, etc.). Student will be tested at appropriate intervals to demonstrate knowledge and understanding. During the latter part of this course, students will learn interview skills and will take part in a series of mock interviews.

### WELDING I 15258

Introduction to craft skills, with a focus on the metal working industry. Students will be working towards the National Center for Construction Education and Research Core Certification. Projects will be building and basic metalworking for practical skill development.

### WELDING II 15257

#### **Prerequisite: Welding I**

Students will complete and earn the NCCER Core Certification and start working towards a NCCER Welding I Certification. Practical skill development will be intermediate metal working projects, with a focus on welding and machining.

### WELDING III 15256

#### **Prerequisite: Welding II**

Students will work towards the NCCER Welding Level I Certification earning transferable credits for complete learning modules. Practical skill development will be using welding and machinery for advanced metal working projects.

### AUTO CAD DRAFTING 15022

CAD Design and Software courses introduce students to the computer aided drafting systems available in the industry. Prerequisite- Computer applications

### GRAPHIC COMMUNICATIONS: 13137

Students will learn how print media is designed and produced. Print media is anything that has an image on it: posters, CD covers, business cards, t-shirts and a million other things. This class incorporates the ideas about Information Technology which is about the tools and technologies we use to create digital media. Digital media includes

images, video, audio, animation, multimedia and the internet. Students will take on the role of "media producer." This class is a computer intensive. Project-based, hands-on course.

### COMPUTER APPLICATIONS 03020

Designed for students with an interest in exploring the uses of the personal computer, General Computer Applications courses provide experience in the proper use of previously written software packages. A wide range of applications is explored, including (but not limited to) word processing, spreadsheet, graphics, and database programs. Electronic mail, desktop publishing, surveillance and detection tech may also be included. Exercises and problems integrate data and manipulation and are tied to student career interests.

## OTHER COURSE ELECTIVES

### LIBRARY SCIENCE 08253

#### **Prerequisite: Librarian Permission**

This course provides students with the opportunity to work in the library or media center. Duties may include collecting, distributing and categorizing materials; operating audiovisual equipment; assisting students and teacher; and clerical duties. Students typically gain experience in library science and/or media and audiovisual technology.

### ROTC I: 19180

### ROTC II: 19181

### ROTC III: 19182

### ROTC IV: 19185

To motivate and develop young people is the goal of ROTC. To accomplish this goal, it combines classroom instruction and extracurricular activities oriented on attaining an awareness of the rights, responsibilities, and privileges of citizenship; developing the student's (cadet's) sense of personal responsibility; building life skills; and providing leadership opportunities. Students achieve recognition for academic performance, leadership, athletic accomplishments, community service, and participation in extracurricular activities.

### ROTC DRILL 21213

**Prerequisite: Must be in ROTC and get recommended by ROTC instructor.**

Course provides students with an additional opportunity to improve their skills in military precision. Marching and rifle manipulation, body coordination and mechanics, and performing as a member of an orchestrated team are particularly emphasized. Members of these classes may take part in ceremonies and competitions.

## UNM CCTE-12<sup>TH</sup> GRADE ONLY

**CCTE students receive both high school credit and college credit. You must be in good standing at GHS to enroll in any CCTE class.**

**Generally, each class earns 2 credits per semester.**

### AUTO TECHNOLOGY 01026

#### **Prerequisite: 12<sup>th</sup> grade only**

Description: Basic theory and hands-on experience in the automotive field.

### AUTO BODY I 16021

#### **Prerequisite: 12<sup>th</sup> grade only**

Description: Theory of repairing collision damage to automobiles.

### WELDING 16017

#### **Prerequisite: 12<sup>th</sup> grade only**

Description: Methods of welding aluminum, mild steel, cast iron, and stainless steel.

### CONSTRUCTION TRADES 16023

#### **Prerequisite: 12<sup>th</sup> grade only**

Description: Skills needed to enter the construction business.

### CRIMINAL JUSTICE 16006

**Prerequisite: 12<sup>th</sup> grade; 2.8 or better GPA/cumulative; must take a physical fitness test**

Description: Functions of major components of the criminal justice system, and the legal aspects.

### COSMETOLOGY 16025

#### **Prerequisite: 12<sup>th</sup> grade only (must have uniform and shoes)**

Description: Theory and related skill areas to prepare for success in the working environment.

### DESIGN & DIGITAL MEDIA 13999

#### **Prerequisite: 12<sup>th</sup> grade only**

Description: Use of Macintosh computers to create graphics, digital photographs, digital videos and 3D imaging and rendering. Afternoon session will have web publishing emphasis.

### MVSO - Multi-Vocational Service Occupations 16067

#### **Prerequisite: 10 - 12**

Description: Acquire skills needed to secure and maintain employment.

### SAND - Students Achieving New Directions 16019

#### **Prerequisite: 10 - 12**

Description: Develop job seeking and employment skills through classroom instruction and on-the-job training.

### FIRE SCIENCE 01842

#### **Prerequisite: 12<sup>th</sup> grade only**

Description: Students will learn basic wild land fire suppression management and be provided entry-level firefighting skills, as well as the fitness training to prepare them for a "pack test."

# GALLUP HIGH SCHOOL COURSE DESCRIPTIONS

## CULINARY ARTS 16031

### **Prerequisite: 12<sup>th</sup> grade only**

Description: Provides a basic knowledge of food preparation in a variety of settings from fast food to fine dining. Students will spend three weeks in local restaurants and businesses to gain knowledge for entry-level cooking positions.

## INTRO TO HEALTH CAREERS/NURSING 15102

### **Prerequisite: 12<sup>th</sup> grade only**

Description: Introduces students to the wide-ranging and varied occupations that fall under the umbrella of health careers. Students learn standard medical language as well as basic functions and structures of human anatomy. Job shadowing is also part of the process. The top students in the class will go on to Nursing Assistant during 2<sup>nd</sup> Semester. Space is limited. Preference given to students with 3.0 GPA and above.

## ECMCE 16000

### Early Childhood Multicultural Educations

### **Prerequisite: 12<sup>th</sup> grade only**

Description: This program addresses the seven general early childhood education competency areas required as partial fulfillment of the New Mexico Department of Education licensure in Early Childhood Education (birth to third grade).