

GANADO HIGH SCHOOL

Course Description Handbook



School Year 2015-2016

Ganado Unified School District #20

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GUSD# 20 Mission Statement

“Ensure all students receive a quality education and strengthen Diné cultural values for life-long learning.

GUSD#20 Vision Statement

“To be a professional learning community that focuses on students exceeding educational expectations.”

Ganado High School Mission Statement

Graduate
On time, on task
Attendance over 90%
Learn
Study

GUSD#20 Governing Board and Administration

Allan Blacksheep, Jr., President
Teresa M. Sells-Gorman, Clerk
Sylvia M. Etsitty-Haskie, Member
Wanda Begay, Member
Dr. Phillip Blueshouse, Member
William Allsbrooks, Superintendent

FORWARD

TO STUDENTS AND PARENTS:

This course description book is to be used as a guide in planning your high school academic program so that you are aware of graduation requirements, course offerings and prerequisites.

As you plan your program be sure to:

1. Select courses that meet graduation requirements and meet the prerequisites. (Take the highest level you can handle successfully.)
2. Check to see if you have met the prerequisite for each course.
3. Make alternative course selections so you will not be randomly placed as courses fill.
4. Obtain teacher's signature for any course requiring prerequisites.
5. Check to see that your registration form is complete, including your parent/guardian signature. Incomplete forms cannot be processed and may delay registration.
6. Discuss your schedule with your parents, teachers and counselor so that the courses are appropriate for your career pathway and/or college plans.

Remember: Schedules will not be changed unless:

Course is cancelled or full.

Course was completed in summer school, Saturday school, or by correspondence.

Course was already passed.

Student is in the wrong level of an academic requirement.

Non-Discrimination Policy

It is the policy of the Ganado Unified School District to prohibit discrimination and harassment in any program and activity including vocational/technical education programs, and to provide equal access to all students regardless of sex, race, color, religion, ancestry, national origin, physical handicap and/or medical condition. The lack of English language skills shall not be a barrier to admission and participation in the district's activities and programs. In addition, the right of a student to participate fully in classroom instruction shall not be abridged or impaired because of any other reason not related to the student's individual capabilities.

GRADUATION REQUIREMENTS

Students and parents should not assume that colleges and universities would recognize Ganado High School's weighted grade in their GPA calculation or admissions formulas. Depending on who is reviewing a student's Grade Point Average (GPA), it can vary widely. High Schools, colleges, scholarships, and grant programs all make their own decisions about how they calculate a student's GPA.

GRADES	PERFORMANCE	UN-WEIGHTED GRADE POINTS	WEIGHTED HONORS GRADE POINTS	WEIGHTED AP GRADE POINTS
A	EXCELLENT	4	4.5	5
B	ABOVE AVERAGE	3	3.5	4
C	AVERAGE	2	2.5	3
D	BELOW AVERAGE	1	1	1
F	FAILING	0	0	0

Current Graduation Requirements 2015-2016

English	4 credits
Mathematics	4 credits
Science	3 credits
Social Studies	3 credits
CTE or Fine Arts	1 credit
PE/Health	1 credit
Electives	6 credits

Total 22 credits

HONORS WEIGHTED COURSES

Honors level courses have higher rigor and expectations for independent student work; therefore, they are given more weight in comparison to general level courses.

The grade received in the following courses will be given the designated weight in the computation of the Grade Point Average (GPA). This will be in accordance with the state universities' academic index of class ranking. Ganado High School reserves the right to add additional classes to this list as we begin to offer more classes in accelerated areas. No student will be denied access to these courses provided they follow the pre-requisites needed to be successful in these courses, and that they and the parents understand the commitment for success.

A= 4.5 B=3.5 C=2.5 D=1.0 F=0

Honors English 11	AP English Language & Composition	Physics
Trig/Pre-Calculus	AP Calculus	All Dual Enrolled CTE classes

The student(s) with the highest GPA/class ranking will be considered for the Valedictorian/Salutatorian at graduation.

*A student who transfer to Ganado High School after their freshman year, will not be given weighted credit for classes taken at another school, unless those classes have been taken in their junior or senior year. They must be the same weighted classes offered at Ganado High School to receive the weighted grade. The Top 10%, Valedictorian, and Salutatorian will be selected from the 2016 cohort.

COURSES OFFERED

English (4 credits required)

English 9/Speech
Honors English 9/Speech
English 10/Speech
Honors English 10/Speech
English 11/Speech
Honors English 11/Speech
English 12/Speech
AP English Language and
Composition

Elective

Reading Intervention

Math (4 credits required)

Algebra I
Geometry
Algebra II

Electives

Career Math
Trigonometry/Pre-Calculus
AP Calculus
Math Intervention

Science (3 credits required)

Biology

Electives

Geology
Chemistry/Lab
Chemistry/Lab II
Physics/Lab
Human Body Systems
Human Anatomy & Physiology
STEM Guitar

Social Studies (3 credits required)

Geography/World History
U.S./Arizona History
US/AZ Government
Free Enterprise

Elective

Navajo History & Government

Fine Arts

Library Science
Computer Applications I
Elements of Art (Art I)
Principals of Design (Art II)
Art Studio (Art III)
Advanced Art Studio (Art IV)

Foreign Language

Spanish I
Spanish II
Navajo Language I
Navajo Language II

Physical Education/Health (1 credit required)

Physical Education
Health
Weights

Other Electives:

Academic Intervention
Computer/Business Application

Career and Technical Education (CTE)

Agricultural-Business Management

Agri-Science

Introduction to Agriculture
Intermediate Agriculture
Agriculture Science I
Agriculture Science II
Veterinary Science I

Architectural Drafting

Introduction to Drafting
Drafting I
Drafting II
Drafting III

Business Operation Support & Assistant Services (BOSAS)

Computer/Business Application
Business Operation I
Business Operation II

Construction Technology

Fundamentals of Construction
Technology
Construction Technology I
Construction Technology II

Culinary Arts

Introduction to Culinary Arts
Fundamentals of Culinary Arts
Culinary Arts I
Culinary Arts II

Graphic Design

Fundamental to Graphic Design
Graphic Design I
Graphic Design II

Nursing Services

Introduction to Health Occupations
Fundamental of Health
Occupations
Medical Terminology
Certified Nursing Assistant

Welding

Fundamentals of Welding
Welding I
Welding II

COURSE DESCRIPTIONS

ENGLISH COURSES

Course Title: **English 9/Speech**
Grade Level: 9th Grade
Length/Credit: Full Year = 1 Credit
Course Status: Required
Prerequisites: None

English/Speech 9 is aligned with Arizona College and Career Ready Standards in Reading, Writing, Speaking and Listening, and Language and is designed to prepare students for college and career readiness. Students will closely read a wide variety of informational and literary texts from diverse perspectives in order to present arguments and write analytically. Writing activities give students practice in organizing and developing narrative writing, writing research papers, and providing evidence for arguments. Yearlong emphasis will be placed on reading strategies for comprehension, literary elements, citing specific text evidence, and mastering the conventions of Standard Written English.

Course Title: **Honors English 9/Speech**
Grade Level: 9th Grade
Length/Credit: Full Year = 1 Credit
Course Status: Required
Prerequisites: Standard Recommendation Application

Honors English/Speech 9 is aligned with Arizona College and Career Ready Standards in Reading, Writing, Speaking and Listening, and Language and is designed to develop advanced language, literature, and analysis skills. Students are expected to display higher level thinking skills, and advanced analytical skills in both reading and writing. Prospective students will be assigned summer reading and writing assignments.

Students will closely read a wide variety of informational and literary texts from diverse perspectives in order to present arguments and write analytically. Writing activities give students practice in organizing and developing narrative writing, writing research papers, and providing evidence for arguments. Yearlong emphasis will be placed on reading strategies for comprehension, literary elements, citing specific text evidence, analyzing craft and structure, and mastering the conventions of Standard Written English.

Course Title: **English 10/Speech**
Grade Level: 10th Grade
Length/Credit: Full Year = 1 Credit
Course Status: Required
Prerequisites: English 9 recommended

English/Speech 10 is aligned with Arizona College and Career Ready Standards in Reading, Writing, Speaking and Listening, and Language and is designed to prepare students for college and career readiness. Students will read a variety of challenging texts that focus on World Cultures, Religions, and Political Movements. Students will closely read a variety of informational and literary texts from diverse perspectives in order to present arguments and write analytically. Emphasis is placed on analyzing, evaluating, and composing arguments through reading, writing, class discussions, and presenting in public.

Course Title: **Honors English 10/Speech**
Grade Level: 10th Grade
Length/Credit: Full year = 1 Credit
Course Status: Required
Prerequisites: English 9; Standard recommendation application

Honors English/Speech 10 is aligned with Arizona College and Career Ready Standards in Reading, Writing, Speaking and Listening, and Language and is designed to develop advanced language, literature, and analysis skills. Students are expected to display higher level thinking skills, and advanced analytical skills in both reading and writing. Honors students will read a variety of challenging texts that focus on World Cultures, Religions, and Political Movements. Prospective students will be assigned summer reading and writing assignments.

Students will closely read a variety of informational and literary texts from diverse perspectives in order to present arguments and write analytically. Emphasis is placed on analyzing, evaluating, and composing arguments. Honors students will study the various rhetorical devices in informational and persuasive text to further develop higher-level writing skills.

Course Title: **English 11/Speech**
Grade Level: 11th Grade
Prerequisites: English 10 recommended
Length/Credit: Full Year = 1 Credit
Course Status: Required

English/Speech 11 is aligned with Arizona College and Career Ready Standards – English Language Arts/Literacy in Reading, Writing, Speaking and Listening, and Language and is designed to prepare students for college and career readiness. Students will closely read a variety of challenging literary and informational texts from the diverse cultural perspectives and major historical periods of American Literature. Selections will include novels, short stories, pamphlets, speeches, and articles. Emphasis is placed on analysis of text through rhetorical devices, literary elements, and historical knowledge. Students will write in a variety of modes and for varying purposes with a focus on research skills.

Course Title: **Honors English 11/Speech**
Grade Level: 11th Grade
Length/Credit: Full year = 1 Credit
Prerequisites: English 10; standard recommendation application; passing scores on AIMS Reading and Writing highly recommended
Course Status: Required, may receive dual enrolled credits with approved college.

English/Speech 11 is aligned with Arizona College and Career Ready Standards in Reading, Writing, Speaking and Listening, and Language and is designed to develop advanced language, literature, and analysis skills. Students are expected to display higher level thinking skills, and advanced analytical skills in both reading and writing. A passing score both AIMS Reading and Writing is required. Prospective students will be assigned summer reading and writing assignments.

Students will read a variety of highly challenging texts drawn from the major periods of American Literature, including a wide selection of non-fiction essays, speeches, and articles. Emphasis is placed on advanced comprehension and analysis of American Literature, and students will practice inventing and proving original arguments in timed and independent essays. Research skills are also a major focus of this course.

Course Title: **English 12/Speech**
Grade Level: 12th Grade
Length/Credit: Full year = 1 Credit
Course Status: Required
Prerequisites: English 11 recommended

English 12 is aligned with Arizona College and Career Ready Standards – English Language Arts/Literacy in Reading, Writing, Speaking and Listening, and Language and is designed to prepare students for college and career readiness. Students will closely read a variety of challenging literary and informational texts drawn from the canon of British literature, including a variety of poetic forms, dramas, and essays. Reading instruction will emphasize the conventional elements and techniques of each genre, as well as the historical and cultural contexts of the assigned texts. Students will write in a variety of modes and for varying purposes with a focus on research skills. In addition to the British canon, students will study and write the skills essential to real-world assignments that include essays for college and scholarship essays, resumes, and other functional documents.

Course Title: **Advanced Placement English Language and Composition**
Grade Level: 12
Length/Credit: Full year = 1 Credit
Pre-requisites: Honors English 11/ English Teacher Recommendation Form/ passing scores on AIMS Reading and Writing
Course Status: May receive dual enrolled credits with approved college

Advanced Placement (AP) English Language and Composition is aligned with the Common Core State Standards is a college-level course, replicating the curricular goals of the first-year composition class as outlined by the College Board. The rigor of college-level reading and writing requires students to devote substantial time outside of class to daily assignments and long-term projects during the academic year; prospective students enrolled in the class are required to complete lengthy reading and writing assignments during the summer.

In AP Language and Composition, the students develop the skills essential to researching, creating, and presenting original arguments. Students will study linguistics and the principles of rhetoric and composition as well as examine and evaluate the

methods in which writers and speakers use the English language. Course readings are selected to engage students in world issues/ideas and writing assignments require students to develop and defend their positions in timed and independent essays. Students will also “read” and analyze the rhetorical features of visual texts including editorial cartoons, advertising imagery, and films.

The AP Language and Composition Exam, administered in May, provide students the opportunity to earn college credit; a score of three (on a five-point scale) is required to pass the exam. The exam is comprised of one-hour reading session to test mastery of prose analysis and a two-hour writing session featuring prompts that require students to write a rhetorical analysis of a specific text, an argument essay, and a synthesis essay.

Course Title: Reading Intervention

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

Length/Credit: Semester = 0.5 Credit

Course Status: Elective

Prerequisites: Placement determined by students’ scores on grade 8 AIMS Reading and diagnostic test of reading proficiency.

Reading Intervention provides intensive instruction in the skills essential to reading proficiency. Emphasis is placed on building fluency and comprehension through increased phonemic awareness and understanding of English morphemes. Skills instruction is embedded in the larger exploration of the many academic and personal purposes of reading, writing, speaking, and listening.

MATH COURSES

Course Title: Algebra I

Grade Level: 9th Grade

Pre-Requisites: none

Length/Credit: Full year = 1 Credit

Course Status: Required Math Credit

Algebra I is the beginning algebra course. The course will cover all of Algebra I concepts but will focus on a deep understanding of the first part of the course. Students will master solving and graphing linear equations and inequalities. The course is aligned Arizona’s College and Career Ready Standards – Mathematics.

Course Title: Geometry

Grade Level: 10th Grade

Pre-Requisites: Algebra I

Length/Credit: Full year = 1 Credit

Course Status: Required Math Credit

Geometry is an in-depth study of geometric concepts that were introduced at the lower grades. The course is aligned Arizona’s College and Career Ready Standards – Mathematics.

Course Title: Algebra II

Grade Level: 11th and 12th Grade

Pre-Requisites: Algebra I and Geometry

Length/Credit: Full year = 1 Credit

Course Status: Required Math Credit

Algebra II is a study of advanced algebraic concepts. Units of study include quadratic functions, polynomial functions, exponential functions, logarithmic functions, and rational functions. The course is aligned to Arizona’s College and Career Ready Standards – Mathematics.

Course Title: Career Math

Grade Level: 11th and 12th Grade

Pre-Requisites: Algebra II

Length/Credit: Full Year = 1 Credit

Course Status: Elective; fulfills math requirement

The purpose of this course is for students to make the connection between careers and math as a means for solving problems that occur within those careers. Career Math will be organized by the six career pathways from the CTE Career Exploration course: Arts/Communications/Humanities; Engineering/Industrial Systems; social/human services; Business Systems; Health Services; Natural Resources. In each of those units, students will be presented with typical career-related problems to solve. These problems will range in difficulty from calculating change in a retail position to calculating the strength of a given metal before using it in a construction project. The course is aligned to Arizona’s College and Career Ready Standards – Mathematics.

Course Title: **Trigonometry/Pre-Calculus**
Grade Level: 11th and 12th Grade
Pre-Requisites: Algebra II
Length/Credit: Full year = 1 Credit
Course Status: Elective; fulfills math requirement

During the Trigonometry portion of the course, students will study the following concepts: Trigonometric functions, solving trigonometric equations, and trigonometric identities. During the Pre-Calculus portion of the course students will study the following concepts: Functions and their graphs, polynomial and rational functions, logarithmic functions, equations of circles, hyperbolas, and conic sections. The course is aligned to Arizona's College and Career Ready Standards – Mathematics.

Course Title: **AP Calculus AB**
Grade Level: 11th and 12th Grade
Pre-Requisites: Trigonometry and Pre-Calculus
Length/Credit: Full year = 1 Credit
Course Status: Elective; fulfills math requirement

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

The AP Calculus AB Exam, administered in May, provide students the opportunity to earn college credit; a score of three (on a five-point scale) is required to pass the exam. The exam is comprised of multiple choice -105 minutes and free-response questions – 90 minutes.

Course Title: **Math Intervention**
Grade Level: 9th, 10th, 11th, 12th grade
Pre-Requisites: Placement based on teacher recommendation and/or placement test/AIMS results
Length/Credit: Semester = 0.5 credit
Course Status: Math Elective

9th Grade Math Intervention is an elective course to be taken in conjunction with Algebra I. This course will

focus on reviewing the math skills necessary for success in future math courses and assessments. These skills include but are not limited to: operations with integers, operations with fractions, and math terminology.

SCIENCE COURSES

Course Title: **Biology**
Grade Level: 9th, 10th Grade
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Status: Science credit

Biology is the study of life. Students will examine the fundamental facts and concepts essential to the understanding of life on Earth, as organized in the Arizona State Science Standards. These topics include but are not limited to the Cell, the molecular basis of heredity, interdependence of organism, biological evolution, matter, energy and organization in life systems. The students will learn basic scientific themes and skills important to scientific study. **A science fair project using the scientific method is required.**

Course Title: **Geology**
Grade Level: 11th, and 12th Grade
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Status: Science credit

Geology is the study of the Earth. Students will examine the fundamental facts and concepts essential to the understanding of Earth features and processes, as organized in the Arizona State Science Standards. These topics include but are not limited to Geochemical Cycles, Energy in the Earth System, Origin and Evolution of the Universe. Students will use a variety of methods to begin to understand their home planet more fully. **A science fair project using the scientific method is required.**

Course Title: **Chemistry/Chemistry Lab**
Grade Level: 11th and 12th Grade, College Bound
Prerequisites: Algebra II pre and/or co-requisite, or instructor recommendation
Length/Credit: Full Year = 1 Credit
Course Status: Science credit

Chemistry is the study of matter and its interaction with energy. Students will study concepts as articulated by the Arizona State Science Standard

including but not limited to Structure and Properties of Matter, Conservation of Energy and Increase in Disorder, Chemical reactions, and Interactions of Energy Matter. The students will receive lab credit. **A science fair project using the scientific method is required.**

Course Title: **Chemistry/Chemistry Lab II**

Grade Level: 11th, 12th

Prerequisites: Biology, Chemistry I

Length/Credit: Full Year = 1 Credit

Course Status: Elective; fulfills science requirement

In this course, students will have a deeper understanding about the field of chemistry and its application to living things. The first semester will deal with organic compounds such as hydrocarbons, functional groups and its derivatives. The second semester will deal with biochemistry that involves biomolecules such as carbohydrates, nucleic acids, lipids, and proteins. Experiments will align with the topics and state standards. This course is designed for students who want to pursue a science or medical related degree in college. **A science fair project using the scientific method is required.**

Course Title: **Physics/Physics Lab**

Grade Level: 11th and 12th Grade

Prerequisites: Geometry, Algebra II, Chemistry or instructor's recommendation

Length/Credit: Full Year = 1 Credit

Course Status: Science credit

Physics is the study of matter in motion. Students will study concepts as articulated by the Arizona State Science Standard including but not limited to Structure and Properties of Matter, Motions and Forces, Conservation of Energy and increase in Disorder, and Interaction of energy and Matter. The students will receive lab credit. **A science fair project using the scientific method is required.**

Course Title: **STEM Guitar**

Grade Level: 11th and 12th Grade

Prerequisites: Any two science credits

Length/Credit: Full Year = 1 credit

Course Status: Elective, fulfills science credit

In this class students will utilize the science, technology, engineering and math of the electric guitar while building one for themselves. Specific

assignments will focus upon the science of sound and waves, the mathematics of the guitar fingerboard, basic electricity and guitar electronics, and mathematical music theory. In addition students will use basic tools to learn simple woodworking practices including sawing, sanding, carving, drilling, routing and fastening. Students will also demonstrate proficiency in guitar maintenance, setup and tuning. There will be a lab fee to take this course, and it is open only to Juniors or Seniors who have at least 2 science credits. The fee is used to pay for the parts used in construction of the student's guitar, with some sponsorships available.

Course Title: **Human Body Systems**

Grade Level: 10th, 11th and 12th Grade

Prerequisites: Algebra I, Biology and instructor's recommendation

Length/Credit: Full Year = 1 Credit

Course Status: Science credit

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on MANIKEN[®] skeletal models; use data acquisition software to monitor body functions, such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. **A science fair project using the scientific method is required.**

Course Title: **Human Anatomy/Physiology**

Grade Level: 11th and 12th Grade

Prerequisites: Geometry, Algebra II, Chemistry or instructor's recommendation

Length/Credit: Full Year = 1 Credit

Course Status: Science or CTE credit

Anatomy Physiology is a curriculum intended for the college bound, health-oriented student. Each student will learn the subject of Human Anatomy and Physiology, as well as proficient skills, such as critical thinking, creative thinking, reading recall and comprehension, writing, research, and presentation. The intent is to improve the student's high level thinking skills that are essential to the development of science literacy. Students can expect to learn human body orientation, basic chemistry, cells and tissues, skin and body membranes, skeletal system, muscular system, nervous system with

special senses, endocrine system, circulatory system with blood, body defenses, respiratory system, digestive system including body metabolism, urinary system and a unit on human body reproduction. **A science fair project using the scientific method is required.**

SOCIAL STUDIES COURSES

Course Title: **World History/Geography**
Grade Level: 10th Grade
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Status: Required

The topics and units for this course include: the location of important physical and political features; using and interpreting maps; regions of the World; the Developed and Developing World; World Issues and Problems; and Major Eras in World History. This course of World History and World Geography is by studying the relationship of man this environment both chronologically and spatially. The emphasis of this class will be on the study of governments, economics, cultures, societies and religions. Classroom discussion and project will consist of the major emphasis, which include the Ancient World, the Enlightenment era, the Industrial Revolution, the Nineteenth Century, The Effects of WWI and WWII, the Cold War and the many other ideologies and independent movement in the developing and modern world.

Course Title: **US/AZ History**
Grade Level: 11th and 12th Grade
Prerequisites: Successful Completion of World History
Length/Credit: Full Year = 1 Credit
Course Status: Required

In this course, students examine important people, events, institutions, and concept in the development of the United States and the state of Arizona. Units include Native American (pre-contact). Colonial America; the constitution; westward expansion; slavery; the Civil War; Reconstruction; big business; World War I; The “Roaring 20’s”; the Great Depression; World War II; and post-war America. The students are graded on group projects, individual assignments, quizzes and exams.

Course Title: **Free Enterprise**
Grade Level: 11th and 12th Grade
Prerequisites: None
Length/Credit: Semester = 0.5 Credit
Course Status: Required

Free Enterprise is an introduction to the fundamentals of a market-based economy. The course object is for students to understand how market forces work in the production and consumption of good and labor markets. Topic includes: economic scarcity; supply and demand; alternative economic systems; the role of unions; international; trade; taxation and the role of government in the American economy. The course will include both theoretical and practical applications.

Course Title: **US/AZ Government**
Grade Level: 12th Grade
Prerequisites: Successful completion of U.S./Arizona History
Length/Credit: Semester = 0.5 Credit
Course Status: Required

The United States Government course explores the structure and the function of federal, state and local governments. There will be six units discussed that explore: the foundations of American government; their political behavior; the legislative, executive and judicial branches; the Arizona government; and tribal government. Outside projects include civic duty and reading, writing, and research; with high emphasis on current event awareness. Students are required to take a civics exam similar to the exam given to individuals that wish to become citizens of the United States.

Course Title: **Navajo History and Government**
Grade Level: 9th, 10th, 11th, and 12th
Prerequisites: None
Length/Credit: Semester = 0.5 Credit
Course Status: Elective

The Dine Government course covering aspects of traditional and contemporary Navajo governmental system such as treaties, tribal codes, resolutions, election process, three branches of government, etc. Students will also gain an understanding of Navajo history & culture from oral tradition to European contact as a way of better conceptualizing the Navajo government. The Navajo tribal Government

course outline is used as a guide. **This course is required for the Chief Manuelito Scholarship.*

FINE ARTS COURSES

Course Title: **Library Science**

Grade Level: 12th Grade

Pre-Requisites: Must meet all graduation credit requirements

Length/Credit: Semester = 0.5 Credit

Course Status: Elective

This course is designed to give students knowledge of school library including policy & procedures, collection development, facilities, and personnel. Emphasis will be placed on the exploration of available resources and the creative use of these resources in problem solving within library media centers. The role of the library aid as a collaborator, partner, teacher, and resource within the school community will be addressed.

Course Title: **Computer/Business Applications**

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

Pre-requisites: None

Length/Credit: Semester = 0.5 Credit

Course Status: Elective

This course will incorporate keyboard, functions of the computer, and the use of Microsoft Office application using Word, Access, Excel, and PowerPoint. Students will have access to software application such as Photoshop, Internet, and email for skills training. The students will be evaluated on hands-on activities from the Standards Attainment, quizzes/tests and projects.

Course Title: **Elements of Art (Art I)**

Grade Level: 9th, 10th, 11th & 12th

Prerequisites: None

Length/Credit: Semester = 0.5 Credit

Course Status: Elective. Fulfills Fine Arts and Elective requirement

This course is based on the exploration of the art elements. Basic art skills will be taught sequentially using a variety of media including printmaking, drawing, painting and collage. This course will build appreciation for the habits of mind of creative people and will encourage students to become adept at basic art studio practice. Students will learn to make connections between art in a historical context through the study of artists and their techniques.

Course Title: **Principles of Design (Art II)**

Grade Level: 10th, 11th & 12th

Prerequisites: Elements of Art

Length/Credit: Semester = 0.5 Credit

Course Status: Elective. Fulfills Fine Arts and Elective requirement

This course will build upon students' skills and the understanding of the elements of art to explore the principles of design. There will be a focus on understanding aesthetics, the creative process and on students' developing personal connections to their art using the principles of design as a springboard for visual communication. Students will learn to make connections between art in a historical context through the study of artists and their techniques. There will be further exploration of printmaking, drawing, painting and collage. This class will also include three-dimensional design and students will explore art related career options.

Course Title: **Art Studio (Art III)**

Grade Level: 10th, 11th & 12th

Prerequisites: Principles of Design

Length/Credit: Semester = 0.5 Credit

Course Status: Elective. Fulfills Fine Arts and Elective requirement

This course is designed for the serious art student. Students will study art history movements within the European art traditions as well as Indigenous Art from the Americas and the Pacific Rim. There will be a focus on interpreting artwork verbally in numerous classroom discussions and in writing a final survey of the artist or movement of their own choosing. Students will learn to prepare artwork for presentation and participate in several art shows throughout the year. Students will begin to amass a professional looking portfolio that they can build on throughout Art Studio & Advanced Art Studio. Most art schools and college art departments will require a substantial portfolio for acceptance.

Course Title: **Advanced Art Studio (Art IV)**

Grade Level: 10th, 11th & 12th

Prerequisites: Art Studio

Length/Credit: Semester = 0.5 Credit

Course Status: Elective. Fulfills Fine Arts and Elective requirement

Students will be given the instruction, information, context and freedom to create art projects that

require long-term commitment. For example: students may create a mural, a suite of relief prints, a series of paintings, a body of work in clay or a graphic novel. The emphasis of this class will be on gaining the skills, attitude and understanding of historical context and studio practice to become a working artist.

FOREIGN LANGUAGE COURSES

Course Title: **Spanish I**
Grade Level: 10th, 11th, and 12th
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Statue: Elective

This is a highly interactive beginning level course that focuses on communication in the Spanish language. Student will develop their listening, speaking, reading and writing skills in Spanish, as well as develop their cultural literacy of Latin American culture. By the end of the course, students will be able to hold a limited conversation in the target language that includes times, dates, likes and dislikes, favorites activities and describing self, family and friends.

Course Title: **Spanish II**
Grade Level: 11th and 12th
Prerequisites: Spanish I
Length/Credit: Full Year = 1 Credit
Course Status: Elective

Much of the focus will be on oral communication in the target language, although listening; writing and reading skills will be developed as well. Cultural literacy of Latin American culture will also be emphasized. By the end of the course, student will be able to make comparison, describe and discuss things that have happened in the past. Describe activities, and express them in extended conversation in the target language.

Course Title: **Navajo Language I**
Grade Level: 10th, 11th and 12th
Prerequisites: None
Length/Credit: Full year = 1 Credit
Course status: Elective

This course will introduce students to basic conversational Navajo. This course is specially designed for students who do not know how to speak Navajo. Students will develop basic knowledge of speaking, reading and writing Navajo language. Some culture and history will also be covered. Students will

be graded primarily on tests, usage and understanding of Navajo Language. *This course is required for the Chief Manuelito Scholarship.*

Course Title: **Navajo Language II**
Grade Level: 10th, 11th and 12th
Prerequisites: Navajo Language I
Length/Credit: Full year = 1 Credit
Course status: Elective

This course will prepare students to read, write, and speak in the Navajo Language. This course is specially designed for students who have taken Navajo Language I. This course will provide students with the necessary requirement to qualify for the Chief Manuelito Scholarship by the Navajo Nation. Students will be evaluated on classroom activities, test/quizzes, and projects according to the Navajo language standards adopted by the Dine Division of Education.

PHYSICAL EDUCATION/HEALTH COURSES

Course Title: **Physical Education**
Grade Level: 9th, 10th, 11th and 12th
Prerequisites: None
Length/Credit: Semester = 0.5 Credit
Course Status: Required

This course is designed to introduce exercise and conditioning procedures. Students will earn basic skills necessary to participate in a variety of individual and team sports throughout the semester. Course concepts include fitness, total wellness, conditioning and sportsmanship. Units include volleyball, basketball, soccer, and football. Health course is designed to help students fully understand health and wellness. Unit topics include nutrition, mental and social health, body system, tobacco, alcohol and communicable and non-communicable diseases. Students will research units and discuss their find with the class. Students will be assessed by their daily work, test and their research project. Grades are based on class attendance, class participation.

Course Title: **Health**
Grade Level: 9th, 10th, 11th, and 12th
Prerequisites: None (focus on incoming 9th)
Length/Credit: Semester = 0.5 Credit
Course Status: Required

This class will cover a wide range of health topics, such as a diseases, sexuality, bones, muscles, first aid, and personal health. There will be extensive coverage of drug awareness. The students' grade will be based on written report, lesson reviews, chapter review, vocabulary and test. Group participation and attendance will also figure into the overall grade.

Course Title: **Weights**
Grade Level: 9th, 10th, 11th, and 12th
Prerequisites: None
Length/Credit: Semester = 0.5 Credit
Course Status: Elective, fulfills Physical Education requirements

This course is for the beginner or recreational weightlifter. The emphasis is on the proper form for the basic movements, safety, terminology and overall fitness. The students will be exposed to various types of lifting (circuit, power, and speed and agility training). Strength levels and cardiovascular fitness will be tested throughout the course of the semester.

OTHER ELECTIVES

Course Title: **Academic Intervention**
Grade Level: 9th, 10th, 11th, and 12th
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course status: Elective, Intervention

This class focuses on academic success for all students, topics to be covered include, but not limited to: transition to high school, study skills, state exam readiness & preparation, reading and math strategies based on specific areas of need, ACT readiness & preparation and college/career readiness & preparation.

CAREER AND TECHNICAL EDUCATION PROGRAMS (CTE)

AGRI-SCIENCES

Course Title: **Introduction to Agriculture**
Grade Level: 9th Grade
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Status: Required for course concentrator

This is the introductory level agricultural course. Upon establishing safe procedures for the classroom, laboratory and workplace the course develop into the biological functioning of animals and plants. Students

will gain understand of animal and plant health needs, they will grow more aware of how provision of these health needs is limited by environmental health. The course builds upon this foundation to explore how methods of animal and plant production combined with methods of food processing are ultimately related to human health. Career exploration and advancements in biotechnology are regularly addressed as they relate to topic areas throughout the course. The first level of Future Farmers of America of Greenland membership is explored in depth to prepare students for the next level of FFA.

Course Title: **Intermediate Agriculture**
Grade Level: 10th Grade
Prerequisites: Introduction to Agriculture
Length/Credit: Full Year = 1 Credit
Course Status: Required for course concentrator

This is the Intermediate Agricultural course. Students will continue to build upon their understanding from the introductory level course. Particular emphasis will be placed on the advantages and disadvantages of technology, a multitude of ethical issues associated with biotechnology, understanding how to be successful individually while also being a "team player", and developing professional practices. Additional Agri-science Standards are taught.

Course Title: **Agricultural Science I (Plant/Animal Science)**
Grade Level: 11th/12th Grade
Prerequisites: Intermediate Agriculture
Length/Credit: Year Long = 1 Credit
Course Status: Required for Agriscience Program Concentrator

Students will explore the more complex biological functions of plants and animals to understand how they translate into the nutritional demands of each respective organism. Understanding the interactions of biological systems within the environment will also be emphasized. These students will be able to complete in N.A.T.I.V.E skills and FFA State and National level competitions.

Course Title: **Agricultural Science II (Plant/Animal Science)**
Grade Level: 11th/12th Grade
Prerequisites: Agricultural Science I

Length/Credit: Full Year = 1 Credit
Course Status: Required for Agriscience Program
Concentrator

The use of the scientific process to record and analyze data will be highlighted throughout the course. Emphasis will also be placed on the analysis of relationships within living systems. The application of biotechnology techniques to plant and animal propagation will be explored. Students will also investigate approved nutritional practices, the environmental and economic impacts of integrated pest management, and an analysis of the interaction among the environmental and natural resources sciences. These students will be able to complete in N.A.T.I.V.E skills and FFA State and National competitions.

Course Title: **Veterinary Science I**
Grade Level: 12th Grade
Prerequisites: AG I
Length/Credit: Full Year = 1 Credit
Course Status: Coherent Sequence

This course provides students with the knowledge, motivation, and skills necessary to pursue a career in veterinary science. Instructional time will be spent with a Veterinarian to ensure the students gain knowledge in attaining skills in identifying anatomy and physiology, as well as, diagnosing diseases and treatments. It is recommended that the student(s) pass the Animal Science course prior to enrolling. Participation in the Ganado FFA Chapter is an integral part of the curriculum.

ARCHITECTURAL DRAFTING SERVICE

Course Title: **Introduction to Drafting**
Grade Level: 9th Grade
Length/Credit: Full Year = 1 Credit
Course Status: Coherent Sequence

This course will be offered as a basic skill to Technical Drafting. Students will focus on the field of Architectural Drafting occupations by research in the using AzCIS and ECAP. Topics include language of industry, drafting skills, theory of shape description, applied geometry, basic dimensioning, work drawing.

Course Title: **Drafting I**
Grade Level: 10th Grade
Prerequisites: Introduction to Drafting

Length/Credit: Full Year = 1 Credit
Course Status: Required for Drafting Program
Concentrator
Dual Enrollment: NPC – DRF 120 (Technical Drafting I), DRF 130 (Architectural Drafting I), BOC 140 (Print Reading I)

In this course the student will learn how to develop both Technical drafting review and Architectural Board Drafting Skills. The students will be prepared to demonstrate in Graphic form as well as apply their newly acquired technical drafting skills to complete projects and begin design and develop architectural working drawings by developing Print Reading Skills. The program includes instruction in delineation and drafting projects to various scales. The students will learn technical drawing, the residential design process, plan layouts, lettering skills, sketching skills, dimensioning techniques, math in (Basic Construction Math & Geometry) as related to Drafting and Design Technology.

Course Title: **Drafting II**
Grade Level: 11th Grade
Prerequisites: Drafting I
Length/Credit: Full Year = 1 Credit
Course Status: Required for Drafting Program
Concentrator
Dual Enrollment: NPC – BOC 240 (Print Reading II), DRF 145 (Auto Sketch) CAD Drafting

In this course the student will learn to apply technical knowledge and skills necessary to plan and prepare scale interpretations of Engineering, and Architectural Board Drafting Projects, enhance the 5 step design process necessary in creating Residential Designs and continue developing and enhancing their Reading Blueprints skills, begin the use of computer-assisted design programs as they relate to drafting and design technology. In addition to increasing the knowledge of drafting techniques, this Architectural Board Drafting Program will be focusing on Civil, Electrical, Plumbing & HVAC drafting as they apply to architectural working drawings. This course also includes obtaining a Working Knowledge of the Elements of Construction, Structural Layouts, Details and Designs, Building Material Recognition, Door Schedules, Room Finish Schedules Window Schedules and layouts of other related Crafts as they relate to Architectural Drafting and Design. This

course will allow students to be introduced the CAD Drafting Courseware. The students will also compete in SkillsUSA at the state and national level.

Course Title: **Drafting III**
Grade Level: 12th Grade
Prerequisites: Drafting II
Length/Credit: Full Year = 1 Credit
Course Status: Required for Drafting Program Concentrator
Dual Enrollment: NPC – DRF 230 (Architectural Drafting II) DRF 150 (AutoCAD I)

In this course the student will complete both all Board Drafting Projects and the CAD drafting courseware. They will then begin combining their Technical Skills and working knowledge of Design and the Elements of Construction to develop working drawings electronically on the CAD Drafting Programs for both Architectural and related Construction Projects. The student will also apply all previously attained Board Drafting Techniques as they relate to CAD Drafting. In addition to this the student will continue sharpening their Print Reading Skills. The students will also compete in SkillsUSA at the state and national level.

BUSINESS OPERATIONS SUPPORT and ASSISTANT SERVICES (BOSAS)

Course Title: **Business Operations I**
Grade Level: 11th Grade
Prerequisites: Computer/Business Application
Length/Credit: Full Year =1 Credit
Course Status: Required for BOSAS Program Concentrator
Dual Enrollment: NPC –BUS 100 Into to Business (3 credits)

This course is to prepare students for instruction in business communications, principles of business law, word processing, data entry, office machine operations, office procedures, public relations, file, records managements, and report preparation. The students will utilize the Workplace Employability Skills and technical knowledge. It will be delivered as a coherent sequence to school-based and work-based supervised learning. Participation in the state-recognized CTE, (Future Business Leaders of America-FBLA)

Course Title: **Business Operation II**
Grade Level: 12th Grade
Prerequisite: Business Operation I

Length/Credit: Full Year =1 Credit
Course Status: Required for Program Concentrator
Dual Enrollment: NPC –BUS 232 Management Information Systems (3 credits)

Students enrolled in this course will develop advanced knowledge and skills in office procedures, transcription, public relations, records managements, and customer services while integrating the skills attained in the Business Operation I course. It will be delivered as a coherent sequence to school-based and work-based supervised learning. Participation in the state-recognized CTE, (Future Business Leaders of America-FBLA)

CONSTRUCTION TECHNOLOGY

Course Title: **Fundamentals of Construction Technology**
Grade Level: 10th Grade
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Status: Required for Program Concentrator

This course introduces the students to basic woodworking skills. Students will explore individual strengths, values and personality traits. Explore a variety of occupational areas, demonstrate planning skills, develops leaders and teamwork skills required for the workplace. Demonstrate an understanding of academic achievement and performance required for meeting their career goals; evaluate factors contributing to a safe and health work environment.

Course Title: **Construction Technology I**
Grade Level: 10th/11th Grade
Prerequisites: Fundamentals to Construction Technology
Length/Credit: Full Year = 1 Credit
Course Status: Required for Construction Program Concentrator

This course will advance students from Introduction to Woodworking class and begin more hands-on experience in planning, designing, construction principles and methods. Students will continue to learn the different operations of more advanced hand tools and power tools. Students will demonstrate written and oral communication skills, evaluate in leadership and teamwork styles appropriate for the

workplace, practice safe healthy work environment. Students will also learn valuable job skills for filling out job applications, resumes, and interviews. These students will be able to compete in N.A.T.I.V.E skills and SkillsUSA State/National competition.

Course Title: **Construction Technology II**
Grade Level: 11th/12th Grade
Prerequisites: Construction Technology I
Length/Credit: Full Year = 1 Credit
Course Status: Required for Construction Program Concentrator

This course will advance students to have prior knowledge of hand tools and power tools. But will being proper usage of stationary machines. Students will develop a career plan focus on the woodworking industries, prepare for employment, demonstration oral and written communication skills. Students will also compete in Native skills and Skills USA competitions to demonstrate their knowledge in woodworking and skills. Students will have the opportunity to become certified in different vocation fields that will further their job opportunities. These students will be able to complete in N.A.T.I.V.E skills and SkillsUSA State/National competition.

CULINARY ARTS PROGRAM

Course Title: **Introduction to Culinary Arts**
Grade Level: 9th Grade
Prerequisites: None
Length/Credit: Full Year = 1 Credit
Course Status: Required for Culinary Arts Program Concentrator

In this course, the students will explore career option in the field of culinary arts and practice employability skills for job success. Student will demonstrate accountability for materials, equipment and facilities, identify workers' rights regarding the workplace issues, examine legal issues, explore economic principles of the culinary arts field, and practice effective communication skills. Student will receive hands-on instruction to problem solve, demonstrate knowledge in common measurement of equipment and perform in the contest of culinary arts. Student will have the opportunity to demonstrate leadership skills in a recognized state student organization (Skills USA).

Course Title: **Fundamentals of Culinary Arts**
Grade Level: 10th Grade

Prerequisites: Introduction to Culinary Arts
Length/Credit: Full Year = 1 Credit
Course Status: Required for Culinary Arts Program Concentrator

This level II course, students learn to use basic science concepts and practices, exercise safety and sanitation practices in the laboratory, analyze nutritional problems, validate chemical and physical changes in food, examine the use of technology in food production development, develop an employment plan and demonstrate job search skills. The assessment will base on competency attainment such as quizzes/tests, observation, and workplace learning.

Course Title: **Culinary Arts I**
Grade Level: 11th/12th Grade
Prerequisites: Fundamentals of Culinary Arts
Length/Credit: Semester Block = 1 Credit
Course Status: Required for program concentrator
Dual Enrollment: Coconino CCC- HRM 140

This course will allow students to spend lab days in our professionally equipped commercial kitchen learning safe food handling, safe equipment operation and knife skills, preparation of health restaurant menus, breakfast foods, sandwiches, salads, garnishes, fruits and vegetables. The National Restaurant Associate provides Pro-Start I learning materials. Opportunities are provided for industry-related field trips to restaurants and food shows as well as culinary competition in FCCLA. Students will pay for their FCCLA dues. The assessment will base on competency attainment such as quizzes/tests, observation, and workplace learning. These students will be able to complete in N.A.T.I.V.E skills. Online assessment is required for all students.

Course Title: **Culinary Arts II**
Grade Level: 11th/12th Grade
Prerequisites: Culinary Arts I
Length/Credit: Semester Block = 1 Credit
Course Status: Required for program concentrator
Dual Enrollment: Coconino CC – HRM 240

This course allow students to spend lab days in our professionally equipped commercial kitchen learning customer service, inventory control, preparation of potatoes, grains, desserts, baked goods, meat, poultry, seafood, stocks, soups and

sauces. The National Restaurant Associate provides Pros-Start II learning materials. Hands-on experiences include food prep for small and large community groups and catering. Opportunities are provided for industry-related field trips to restaurants and food shows as well as culinary competition in FCCLA. Students will pay for their FCCLA dues. The assessment will base on competency attainment such as quizzes/tests, observation, and workplace learning. These students will be able to complete in N.A.T.I.V.E skills and state level competitions. Online assessment is required for all students.

GRAPHIC DESIGN

Course Title: **Fundamental to Graphic Design**
Grade Level: 10th Grade
Prerequisites: Business/Computer Application
Length/Credit: Full Year = 1 Credit
Course Status: Required for Program Concentrator

This program is designed as a state-recognized sequence of courses. Each CTE standards are cross-walked with the Arizona Academic standards. This course is an instructional experience that provides the students to explore the field of Multimedia Technology through career survey, job search strategies, employability skills, communication skills, participate in leadership activities in a state recognized student organization (SkillsUSA), understand problem solving and critical thinking skills, basic knowledge in safety procedures, recognize security issues in computer usage, economic principles and legal and ethical issues.

Course Title: **Graphic Design I**
Grade Level: 11th/12th Grade
Prerequisites: Introduction to Graphic Design
Length/Credit: Full Year =1 Credit
Course Status: Required for Program Concentrator

This course involves students in career preparation activities such as individual career planning, preparation for employment, the demonstration of both oral and written communication skills, the demonstration of work ethics, the evolution of the desktop publishing and printing industry, the use of Apple computers with the latest software for desktop publishing and the opportunity to participate in leadership activities in SkillsUSA. These students will be able to compete in Skills N.A.T.I.V.E and SkillsUSA state/national competitions.

Course Title: **Graphic Design II**
Grade Level: 11th/12th Grade
Prerequisites: Graphic Design I
Length/Credit: Full Year =1 Credit
Course Status: Required for Program Concentrator

In this course students are preparing their basic skills in desktop publishing using Adobe Creative Suite 5 to produce various assigned projects such as logos, resort flyers, identity suites, CD covers, graduation announcements, community fliers, business cards, magazine covers. Students will be able to participate in a work-based field experience. These students will be able to compete in Skills N.A.T.I.V.E and SkillsUSA state/national competitions. Students will also produce a work ready portfolio to present to perspective employers.

NURSING SERVICES

Course Title: **Introduction to Health Occupations**
Grade Level: 10th
Prerequisites: None
Length/Credits: Full Year = 1 Credit
Course Status: Required for Program Concentrator

In this course the students will examine career opportunities in the nursing service industry. Students will research employment opportunities, prepare an employment resume, portfolio, practice leadership skills, participate in a state recognize student organization (HOSA), and explore the legal and ethical standards in the health care delivery system. Students will demonstrate oral and written communication skills, problem solving and critical thinking skills applicable to the health care situations.

Course Title: **Fundamental of Health Occupations**
Grade Level: 11th Grade
Prerequisites: Introduction to Health Occupations
Length/Credits: Full Year=1 Credit
Course Status: Required for Program Concentrator

This course will ensure students to explore more advance Health Occupational Field and prepare for the Advance Nursing Service Program in performing actual hands-on projects. These students will be able to complete in N.A.T.I.V.E skills and HOSA state/national competitions.

Course Title: **Medical Terminology**
Grade Level: 12th Grade
Prerequisites: Fundamental to Health Occupations
Length/Credits: Semester Block = 1 Credit
& 2 College Credits
Course Status: Required for Program Concentrator
Dual Enrollment: NPC/ N.A.T.I.V.E. Dual
Enrollment Credit for 1008 Medical Terminology

This course will provide students an overview of medical terminology. The medical terms will be divided into four categories: disease and disorder, surgical, diagnostic, and complementary terms. There will be a focus on anatomy, word parts, and medical terms. An introduction to word parts and human body structure will be the focus of Part I. Part II will deal with body systems. The book provides a pronunciation guide, common skin lesions, types of diagnostic procedures, and plural endings. Appendixes will be helpful in building medical terms. Students will be using an interactive CD Rom and Flash cards for the terms. These students will be able to complete in N.A.T.I.V.E skills and HOSA state/national competitions.

Course Title: **Certified Nursing Assistant**
Grade Level: 12th Grade
Prerequisites: Medical Terminology and Human Anatomy and Physiology
Length/Credits: Semester Block = 1 Credit, 4 College Credit
Course Status: Required for Program Concentrator
Dual Enrollment: NPC/N.A.T.I.V.E. Dual Enrollment Credit for 1000 Certified Nursing Assistant

This is an exciting course that focuses on the basic principles and procedures of patient care. The course prepares individuals to work under the supervision of licensed health care professionals in performing nursing care and services for persons of all ages. After completion of this course, the student can apply to take the state Nurse Aide Competency Test. Upon successful completion of this test, the student becomes a Certified Nursing Assistant (CNA). These students will be able to complete in N.A.T.I.V.E skills and HOSA state/national competitions.

WELDING TECHNOLOGY

Course Title: **Fundamentals of Welding**
Grade Level: 10th Grade
Prerequisites: None

Length/Credits: Full Year = 1 Credit
Course Status: Required for Program Concentrator

Fundamentals of Welding students will study and practice basic welding principles involving shielded metal arc welding, oxyacetylene welding, and oxyacetylene cutting processes in the flat, horizontal, and vertical positions. Safe industry work practices will be taught with emphasis on Proper Protection Equipment (PPE). Basic units of measurement will be covered. This course will serve as an introduction to the welding field. Student will have the opportunity to demonstrate leadership skills in a recognized state student organization (Skills USA).

Course Title: **Welding I**
Grade Level: 11th/12th Grade
Prerequisites: Fundamentals of Welding
Length/Credits: Full Year = 1 Credit
Course Status: Required for Program Concentrator

Welding I students will study and practice basic welding principles involving shielded metal arc welding, oxyacetylene welding, and oxyacetylene cutting processes in the flat, horizontal, and vertical positions. Safe industry work practices will be taught with emphasis on Proper Protection Equipment (PPE). Basic units of measurement will be covered. This course will serve as an introduction to the welding field. These students will be able to complete in N.A.T.I.V.E skills and SkillsUSA state/national competitions.

Course Title: **Welding II**
Grade Level: 11th/12th Grade
Prerequisites: Welding I
Length/Credits: Full Year = 1 Credit
Course Status: Required for Program Concentrator

Welding II students will study and practice basic welding principles involving shielded metal arc welding, oxyacetylene welding, and oxyacetylene cutting processes in the flat, horizontal, and vertical positions. Safe industry work practices will be taught with emphasis on Proper Protection Equipment (PPE). Basic units of measurement will be covered. This course will serve as an introduction to the welding field. These students will be able to complete in N.A.T.I.V.E skills and SkillsUSA state/national competitions.