Henderson ISD

2026-2027
Course Offerings
Grades 8-12

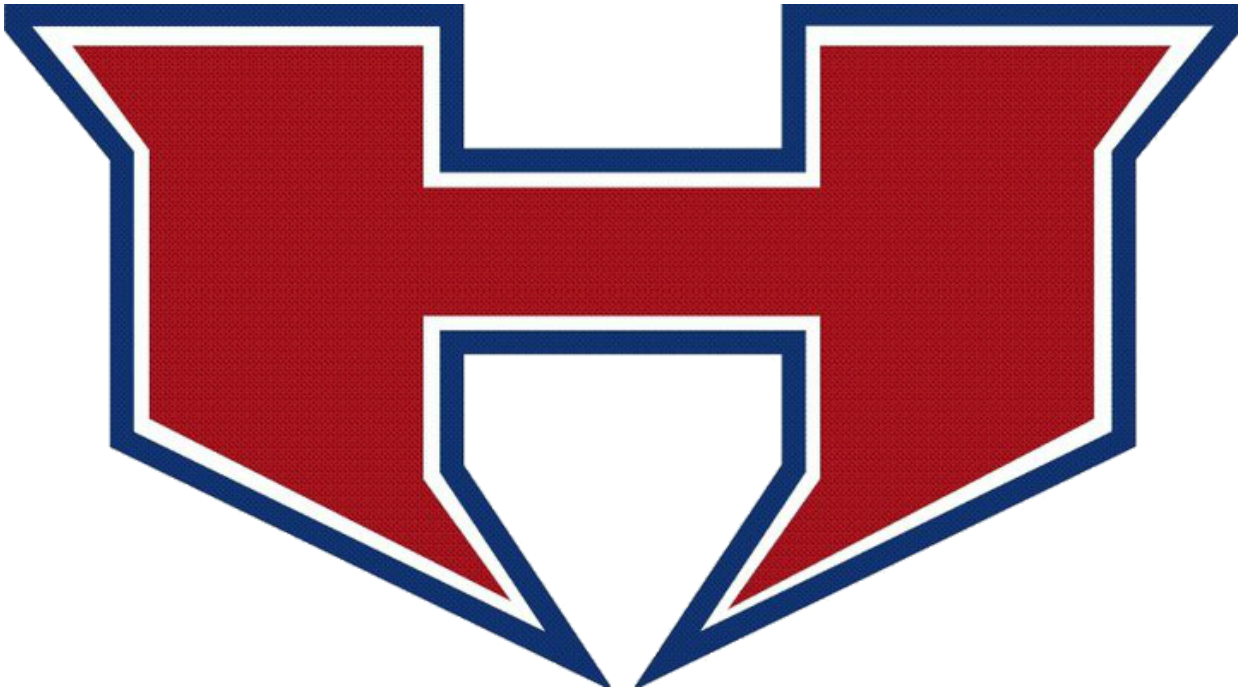

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TABLE OF CONTENTS

The Henderson Independent School District does not discriminate on the basis of race, religion, color, national, origin, sex, or disability in providing educational services. Dea Henry has been designated to coordinate compliance with the non-discrimination requirements of Title IX of the Education Amendments of 1072, as amended Tracy Whitaker has been designated to coordinate compliance with the non-discrimination requirements of Section 504 of The Rehabilitation Act of 1973. The Henderson Independent School District does not discriminate on the basis of disability by denying access to the benefits of district services, programs, or activities. To request information about the applicability of the Title II of The Americans with Disabilities Act (ADA), interested persons should contact Tracy Whitaker.

HB5	Foundation High School Plan	Foundation High School Plan with Endorsement
		A student may earn an endorsement by completing: 4 Mathematics Credits 4 Science Credits And Completing: 3 or more Courses for 4 or more Credits in a chosen Program of Study
English Language Arts	**Four Credits:** English I English II English III Advanced English Course	**Four Credits:** English I English II English III Advanced English Course
Mathematics	**Three Credits:** Algebra I Geometry Advanced Math Course	**Four Credits:** Algebra I Geometry Advanced Math Course Advanced Math Course
Science	**Three Credits:** Biology Lab Based Science Advanced Science	**Four Credits:** Biology Lab Based Science Advanced Science Advanced Science
Social Studies	**Three Credits:** World History US History Government (0.5) Economics (0.5)	**Three Credits:** World History US History Government (0.5) Economics (0.5)
Physical Education	**One Credit**	**One Credit**
Fine Art	**One Credit**	**One Credit**
Languages Other Than English	**Two Credits** in the Same Language	**Two Credits** in the Same Language
Local Requirement	Professional Communications (0.5) One and a Half Elective Credits	Professional Communications (0.5) One and a Half Elective Credits
State Required Electives	**Five Credits**	**Five Credits**
TOTAL	**24**	**26**

ENDORSEMENT AREAS FOR HHS GRADUATES

Requirement:

Choose One Endorsement from the Following List AND an area under Your Chosen Endorsement:

1. **STEM (Science, Technology, Engineering, Math)**
2. **Business & Industry**
3. **Public Service**
4. **Arts & Humanities**
5. **Multidisciplinary**

In selecting courses, students will notice that some courses are for one credit (1), some are for half credit (0.5), and some are for two or three credits (2) or (3). A student must enroll all year for a (1) credit course and one semester for a (0.5) credit course. Courses that are (2) or (3) credits will be taken in a "block" style for more than one class period per day.

(NOTE: TEKS STANDS FOR TEXAS ESSENTIAL KNOWLEDGE AND SKILLS &
EOC STANDS FOR END OF COURSE AND IS PART OF THE STAAR TESTING SYSTEM)

Course availability is subject to change.

LANGUAGE ARTS

ENGLISH I **GRADE: 9 CREDIT: 1**
PREREQUISITE: NONE

English I deals with fundamental concepts and skills of writing, language, reading, and literature. Writing concepts are emphasized in the first semester of study. Conventions of correct grammar usage and mechanics are stressed; descriptive, narrative, expository, and persuasive styles of writing are explored. In the second semester basic reading skills are reinforced and literary appreciation developed through a study of selected works of poetry, drama, fiction, and nonfiction. Literary terms and figurative language are introduced.

ENGLISH I-Honors **GRADE: 9 CREDIT: 1**
PREREQUISITE: NONE

English I - Honors incorporates an enhanced curriculum for Advanced Placement preparation. The course is designed to ensure mastery of basic skills through individualized programs of learning that promote extensive development of higher thought processes. Final mastery of basic skills in language and composition is tested while providing intensive, guided practice to develop mature techniques and styles. Studies require knowledge of literary terminology and characteristics of literary genre while analyzing and evaluating ideas and concepts discovered in literature. Information gathering techniques extend to products requiring synthesis. Students are required to read a specific number of selections from the Advanced Placement Reading List.

ENGLISH I EOC REMEDIATION (APPROVAL ONLY) **GRADE: 10-12 CREDIT: 1 LOCAL CREDIT**
PREREQUISITE: FAILURE OF THE EOC/STAAR ENGLISH 1 EXAM

EOC/STAAR English is designed to reinforce those skills which are necessary to successfully pass the English I EOC/STAAR exam. Any student who has not passed the English I EOC/STAAR will be placed in this course.

ENGLISH II **GRADE: 10 CREDIT: 1**
PREREQUISITE: ENGLISH I

The first semester of tenth grade English will focus on language and writing concepts and skills. The study will provide opportunities for the student to practice correct spelling, punctuation, and usage. Further, the student will write sentences and paragraphs of various lengths and patterns. Second semester students will develop the reading literature skills necessary to comprehend nonfiction and fiction. Expanding reading skills, the student will study vocabulary and recognize main ideas, sequence, and details. In addition to reading from the various classifications of literature, the student will be given the opportunities to learn the techniques used in creating these literary forms.

ENGLISH II-Honors **GRADE: 10 CREDIT: 1**
PREREQUISITE: ENGLISH I-Honors OR TEACHER RECOMMENDATION

The student in the English II Honors class will study parts of speech, grammar, and usage in relation to its application to oral and written communication. Skills in reading, interpretation of literature, writing, and vocabulary building will be stressed both semesters. To achieve these objectives, the student will study and write sentences and paragraphs that are complex in pattern; will analyze increasingly complicated works of literature, as prescribed by the Advanced Placement curriculum as organized by genres; and will define, identify in literature, and use in writing literary devices and figures of speech. Students will use higher level and critical thinking skills in their written and oral projects. These projects, both inside and outside of the classroom, will include persuasive essays, fact or opinion, poems, a research paper, and oral explanations. Honors sophomore students will also study an intensive grammar unit and be expected to read numerous works from the AP reading list.

ENGLISH II EOC REMEDIATION (APPROVAL ONLY) **GRADE: 10-12 CREDIT: 1 LOCAL CREDIT**
PREREQUISITE: FAILURE OF THE EOC/STAAR ENGLISH II EXAM

EOC/STAAR English is designed to reinforce those skills which are necessary to successfully pass the English II EOC/STAAR exam. Any student who has not passed the English II EOC/STAAR will be placed in this course.

ENGLISH III **GRADE 11 CREDIT: 1**
PREREQUISITE: ENGLISH II

This course will provide the student opportunities to learn advanced writing concepts and skills, with emphasis upon correct choice of language and syntax to express ideas. Various forms of sentences and paragraphs will be used as models

for student writing. Writing and reading skills are fused in that the experiences allow the student to find the main idea, to discover appropriate point of view, to analyze cause-effect relationships, to understand the art of persuasion, and to distinguish between fact and opinion. The course also includes a survey of American authors and their presentations in poetry, drama, short story, and major works, as well as the corresponding philosophical movements and historical perspectives. The student will also develop skills in research, analysis, and criticism.

AP ENGLISH LANGUAGE AND COMPOSITION III **GRADE: 11 CREDIT: 1**
PREREQUISITE: ENGLISH II-Honors OR TEACHER RECOMMENDATION

The English III-AP course will require students to master TEKS in a more advanced application and at an accelerated pace, as well as use higher level and critical thinking skills in written and oral projects. Stress will be placed upon sophisticated composition styles and purposes. Advanced vocabulary study and advanced reading assignments will be fused into the acquisition and delivery of rhetorical analysis, synthesis, and argument. To achieve these objectives, selections from American literature, both fictional and non-fictional, as well as contemporary essays, theories, and speeches, will be utilized. Advanced concepts of research and presentation will also be explored. Emphasis will be placed on meeting the requirements of the AP College Board exam.

ENGLISH IV **GRADE: 12 CREDIT: 1**
PREREQUISITE: ENGLISH III

This course provides for the development of language and writing concepts and skills in the forms of essays, procedural and work-related documents, research and synthesized information, and criticism and analysis. The second semester focuses on a chronological survey of British literature: its representative genres, philosophical movements and historical perspectives as illustrated in selections by major writers.

COLLEGE PREP ENGLISH **GRADE: 12 CREDIT: 1**
PREREQUISITE: SATISFACTORY SCORES ON ENGLISH I AND II EOC EXAMS

College Preparatory English exists to remediate deficiencies in order that students may excel in their chosen careers.
College Prep courses are designed to prepare students for college-level academic course work. The recommendation to enroll in College Prep courses is made on the basis of diagnostic testing. Although these courses do not satisfy any college degree requirement, they are designed to assure reasonable student success in the college curriculum.

AP ENGLISH LITERATURE IV **GRADE: 12 CREDIT: 1**
PREREQUISITE: ENGLISH III-AP OR TEACHER RECOMMENDATION

The English IV-AP class will require students to master all the TEKS at an accelerated pace. This fused course will include the study and mastery of more complicated literary terminology and figurative language as the students analyze, classify, and evaluate complex works of literature and contemporary essay. Also, the course will include advanced vocabulary study, a study of discursive and analytical writings, and extensive grammar study. Students will use all the higher level and critical thinking skills in their written and oral presentations. The English AP class will achieve these objectives through the implementation of a chronologically arranged curriculum which begins with the Anglo-Saxon Period in English literature and concludes with the Twentieth Century through the use of advanced vocabulary list, through the study of contemporary essays which will challenge the student's analytical thinking, writing, and his grammar skills, and through an accelerated reading program.

ENGLISH IV DUAL CREDIT 1301, 1302 **GRADE: 12 CREDIT: 1**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

ENGL 1301- Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

ENGL 1302- Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Prerequisite: "C" or better in ENGL 1301.

READING 1 & READING II **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: APPROVAL REQUIRED

Reading I, II offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning.

PROFESSIONAL COMMUNICATION/ SPEECH

PROFESSIONAL COMMUNICATIONS **GRADE: 9-12 CREDIT: .5**
PREREQUISITE: NONE

For successful participation in professional and social life, students must develop effective communication skills. Rapidly expanding technologies and changing social and corporate systems demand that students send clear verbal messages, choose effective nonverbal behaviors, listen for desired results, and apply valid critical-thinking and problem solving processes. Students enrolled in Professional Communications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning.

PUBLIC SPEAKING DUAL CREDIT 1315 **GRADE: 12 CREDIT: .5**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

MATHEMATICS

ADVANCED QUANTITATIVE REASONING **GRADE: 12 CREDIT: 1**
PREREQUISITE: ALGEBRA II

In Advanced Quantitative Reasoning, students continue to build upon the K-8, Algebra I, Algebra II, and Geometry foundations as they expand their understanding through further mathematical experiences. Advanced Quantitative Reasoning includes the analysis of information using statistical methods and probability, modeling change and mathematical relationships, and spatial and geometric modeling for mathematical reasoning.

ALGEBRA I **GRADE: 8-9 CREDIT: 1**
PREREQUISITE: 8TH GRADE MATH

This course is for students functioning on grade level who have successfully completed 8TH grade TEKS. Algebra I is to provide a foundation for higher level mathematics courses. Topics covered: concepts and skills involving operations with real numbers, properties of real numbers, polynomials, rational expressions, quadratic equations; linear equations, and inequalities in one variable and in two variables; and properties of roots and operations with radicals.

ALGEBRAIC REASONING **GRADE: 10-11 CREDIT: 1**
PREREQUISITE: ALGEBRA I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses.

GEOMETRY **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: ALGEBRA I

This course is for students on grade level who have successfully completed Algebra I TEKS and foundation for higher-level mathematics courses. It involves recognition and study of two and three dimensional geometric figures,

review of algebraic skills used, and development of formal proofs. Topics covered: Nature of deductive reasoning, geometry of the real world, fundamental ideas of lines and angles, basic postulates and theorems, congruent triangles, transformations, inequalities, parallel lines, quadrilaterals, area, similarity, right angles, coordinate geometry, circles, regular polygons, and geometric solids.

GEOMETRY-Honors **GRADE: 9-10 CREDIT: 1**
PREREQUISITE: ALGEBRA I Honors OR TEACHER RECOMMENDATION

Geometry-Honors provides the student with an in-depth study of the basic concepts of Euclidean geometry and pre-trigonometry. Students are expected to prove theorems independently using the direct and indirect method of proof, as well as develop an understanding of the properties of the various types of geometric figures. Students are also exposed to a study of non-Euclidean geometries.

ALGEBRA II **GRADE: 11-12 CREDIT: 1 PREREQUISITE: ALGEBRA I**

This course is for students on grade level who have completed mastery of Algebra I & Geometry TEKS. Algebra II is to provide a foundation for higher-level math courses. Topics covered: Concepts and skills associated with open sentences, polynomials and rational expressions, matrices and determinants, quadratic functions, conic sections and systems of quadratics, exponential and logarithmic functions, higher degree polynomial functions, and sequences and series; properties of relations and functions complex number system, and points and planes in space.

ALGEBRA II-Honors **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: GEOMETRY Honors OR TEACHER RECOMMENDATION

Algebra II-Honors is designed for those students who have an advanced aptitude in mathematics and plan to follow the Advanced Placement course sequencing of Geometry Honors, Pre-Calculus Honors, and Calculus AP. The curriculum covers all aspects of regular Algebra II with additional topics related to 3-space, probability, permutations, and combinations. The number and difficulty of word problems will be increased, thus leading to a wider range of practical applications. The course will prepare the student for the more rigorous study required of the AP student.

PRE-CALCULUS **GRADE: 12 CREDIT: 1**
PREREQUISITE: ALGEBRA I, GEOMETRY, ALGEBRA II

This course is for students on grade level with completed appropriate prerequisites and desiring a foundation for higher-level mathematics. Topics covered: Trigonometry, real numbers and coordinates, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, vectors, complex numbers, sequences and series, and use of the Binomial Theorem.

PRE-CALCULUS-Honors **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: ALGEBRA I, GEOMETRY, ALGEBRA II

The Honors student in Pre-Calculus defines and evaluates trigonometric functions, solves triangles, proves identifies, solves trig equations, graphs trig functions, and works with polar equations. The student will also solve and graph algebraic functions, use logarithms to solve problems, study the conic sections and work with sequences and series, vectors, and three-space. The Honors student is issued a TI-82 graphing calculator and will be expected to use it throughout the entire course. This course is the final preparation class before taking AP Calculus.

AP PRE-CALCULUS
GRADE: 11-12 CREDIT: 1
PREREQUISITE: ALGEBRA I, GEOMETRY, ALGEBRA II

AP Precalculus is a college-level course offered by the College Board as part of the Advanced Placement (AP) program. Introduced in the 2023–24 school year, it is designed to prepare high school students for college calculus and other STEM courses by providing a rigorous foundation in precalculus topics. AP Precalculus is ideal for students who have completed Algebra 2 (or equivalent) and plan to pursue calculus or STEM fields in college. It bridges the gap between Algebra 2 and AP Calculus AB/BC, ensuring students enter calculus with strong function understanding and modeling skills.The course is less proof-heavy than traditional precalculus honors courses and more focused on conceptual understanding and practical application, making it accessible yet challenging for a wide range of students.

AP CALCULUS **GRADE: 12 CREDIT: 1**

PREREQUISITE: PRE-CALCULUS-Honors OR TEACHER RECOMMENDATION

This course is for students above grade level who have successfully completed TEKS of the prerequisites and are college bound requiring a strong mathematics background. A college-level calculus course covering these topics: concepts associated with the limit of a function, concepts and skills associated with the derivative and with integral and techniques of integration, application of calculus to special functions, concepts and skills associated with infinite series.

COLLEGE ALGEBRA DUAL CREDIT 1314 **GRADE: 12 CREDIT: 1**

PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

This course is an in-depth study and application of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. An instructor-approved graphing calculator will be required.

MATH MODELS (OFFERED AT PRIDE) **GRADE: 11 CREDIT: 1**

PREREQUISITE: ALGEBRA I & GEOMETRY

This is a practical course for those who want to become knowledgeable about handling personal money. It emphasizes real-world, problem-solving approaches on such topics as earnings, deductions, budgets, investments, credit, mortgages, and secured loans.

STATISTICS AND BUSINESS DECISION MAKING **GRADE: 12 CREDIT: 1**

PREREQUISITE: Algebra II

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Note: This course satisfies a math credit requirement for students on the Foundation High School Program. (CTE Course)

COLLEGE PREP MATH **GRADE: 12 CREDIT: 1**

PREREQUISITE: ALGEBRA I AND SATISFACTORY SCORE ON ALGEBRA I EOC EXAM

College Preparatory Math exists to remediate deficiencies in order that students may excel in their chosen careers.
College Prep courses are designed to prepare students for college-level academic course work. The recommendation to enroll in College Prep courses is made on the basis of diagnostic testing and THEA. Although these courses do not satisfy any college degree requirement, they are designed to assure reasonable student success in the college curriculum. The courses do qualify for high school elective credit.

STATISTICS DUAL CREDIT 1342 **GRADE: 12 CREDIT: 1**

PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

This course is a study of collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing. An instructor- approved graphing calculator is required.

HEALTH

HEALTH EDUCATION **GRADE: 9-12 CREDIT: .5**

PREREQUISITE: NONE

This course is a study of mental and physical health information, attitudes, and practices. Topics include psychological aspects of drug abuse, alcohol and tobacco, mental health, infectious and chronic diseases, dental health, grooming, human sexuality, consumerism and health careers. This course is required for graduation.

SCIENCE

BIOLOGY I **GRADE: 9-10 CREDIT: 1**

PREREQUISITE: NONE

Biology is the study of living things. The course begins with the fundamental concepts of life on the cellular level and proceeds to the most complex organisms, the human being. Corresponding laboratory experience is an integral part of

each concept. Special projects that allow students individual investigations are required during the year. This course is intended for the average to above average student.

BIOLOGY I-Honors **GRADE: 9 CREDIT: 1**
PREREQUISITE: NONE

Biology I-Honors will involve a comprehensive study of biological principles including ecology, cells, genetics, evolution, microorganisms, plants, invertebrates, vertebrates and biochemistry. Higher level thinking skills will be used in problem solving exercises. Two separate collections will be required: an insect collection in the fall and a wildflower collection in the spring.

INTEGRATED PHYSICS AND CHEMISTRY **GRADE: 9-10 CREDIT: 1**
PREREQUISITE: NONE

This course offers the student an introduction to basic physics and chemistry. The student will use skills in acquiring data through the senses, in classification of data, and in measurement. Drawing logical inferences, predicting outcomes, forming generalizations, and relating objects and events to their objects and events will be stressed. Lab skills will be used in observations and manipulating the conditions of investigations. The application of science in daily life will be an important aspect of the course. Selection must be approved by the science department and/or counselor and principals.

BIOLOGY AP **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: BIOLOGY I, CHEMISTRY I, & PHYSICS I (AT LEAST ONE COURSE MUST BE Honors) OR TEACHER RECOMMENDATION

A lab-oriented course with independent studies designed to prepare college-bound students for a more in depth study of microbiology, morphology, genetics, cytology of plants, and animals, comparative anatomy, and endocrinology. Contemporary issues as they relate to biological concepts will be examined in the course of study.

CHEMISTRY I **GRADE: 10-11 CREDIT: 1**
PREREQUISITE: ALGEBRA 1, BIOLOGY

Chemistry 1 is the study of the composition of substances (matter), the changes that substances undergo, and the causes for these changes. It is a deeper study of physical science content with more extensive individual lab experience than encountered in earlier sciences. Students should have a good mathematical background.

CHEMISTRY I-Honors **GRADE: 10 CREDIT: 1**
PREREQUISITE: ALGEBRA I, BIOLOGY Honors OR TEACHER RECOMMENDATION

In chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that may include: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gasses; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives. The Honors Chemistry includes higher level thinking skills, a more difficult grading system, and students are required to present several projects throughout the class.

AP CHEMISTRY **GRADE: 12 CREDIT: 1**
PREREQUISITE: BIOLOGY I, CHEMISTRY I, & PHYSICS I (AT LEAST ONE COURSE MUST BE Honors) OR TEACHER RECOMMENDATION

The Chemistry II-AP program builds on the basic principles studied in Chemistry I-Honors. It includes more laboratory investigations, with an emphasis on quantitative results; and a higher degree of mastery or concepts. Part of the course will be an individualized research project chosen by the student with the help of the teacher.

PATHOPHYSIOLOGY **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: BIOLOGY AND CHEMISTRY

Pathophysiology is the study of the disturbance of norm, physical, and biochemical functions, either caused by a disease, or resulting from a disease or abnormal syndrome, or condition that may not qualify to be called a disease.

PHYSICS **GRADE: 11-12 CREDIT: 1**
CO/PREREQUISITE: CHEMISTRY, ALGEBRA II

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

PHYSICS I-Honors **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: ALGEBRA I, CHEMISTRY

Physics-Honors is the study of mechanics, wave phenomena, heat, light, sound, electricity and magnetism. The course also includes atomic and particle physics.

PHYSICS for ENGINEERING
GRADE: 11-12 CREDIT: 1
PREREQUISITE: ONE CREDIT OF HS SCIENCE, ALGEBRA 1

Students conduct laboratory and field investigations, use scientific and engineering practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems are described in terms of space, time, energy, and matter. Students study topics, including laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices
Note: This course satisfies a science credit requirement for students on the Foundation High School Program. (CTE Course)

AP PHYSICS **GRADE: 12 CREDIT: 1**
PREREQUISITE: BIOLOGY I, CHEMISTRY I, & PHYSICS I (AT LEAST ONE COURSE MUST BE Honors) OR TEACHER RECOMMENDATION

This course extends the basic physics principles learned in Physics I to more complex investigations. Parts of the course are tailored to the particular interests of the individual student.

FORENSIC SCIENCE **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: BIOLOGY AND CHEMISTRY

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Scientific methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.
Note: This course satisfies a science credit requirement for students on the Foundation High School Program. (CTE Course)

ANATOMY AND PHYSIOLOGY **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: BIOLOGY AND A SECOND SCIENCE

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.
Note: This course satisfies a science credit requirement for students on the Foundation High School Program. (CTE Course)

ADVANCED ANIMAL SCIENCE **GRADE: 12 CREDIT: 1**
PREREQUISITE: SMALL ANIMAL, EQUINE SCIENCE, OR LIVESTOCK PRODUCTION

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program. (CTE Course)

SOCIAL STUDIES

WORLD GEOGRAPHY **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

World Geography is a study of earth and its people with an emphasis on world affairs, both historically and currently. Topics of study include physical features of the earth, including map study, cultural features of the various continents and the role of politics in geography and world affairs.

WORLD GEOGRAPHY Honors **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

World Geography is a study of earth and its people with an emphasis on world affairs, both historically and currently. Topics of study include physical features of the earth, including map study, cultural features of the various continents and the role of politics in geography and world affairs.

WORLD HISTORY **GRADE: 10 CREDIT: 1**
PREREQUISITE: NONE

World History encompasses location of major physical features; a survey of the ancient civilizations of Greece, Rome, China, and Japan; the rise of Judaism, Islam, Christianity and African history; formation of the medieval period of the Renaissance and the reformation; analysis of the Byzantine and Moslem societies on Western civilization; and expansion of European influence around the world through exploration, investment and colonization. Emphasis on the developments of the 20th century such as the revolutions, movements of social protest and the world wars are covered through a study of nationalism, imperialism, capitalism, socialism, and communism. Analysis of worldwide economic interdependence on the world today is made through a study of energy resources and the American market system.

WORLD HISTORY Honors **GRADE: 10 CREDIT: 1**
PREREQUISITE: NONE

The student in the World History Honors class will obtain an in-depth study of the world which encompasses location of major physical features; a survey of the ancient civilizations of Greece, Rome, China, and Japan; the rise of Judaism, Islam, Christianity and African history; formation of the medieval period of the Renaissance and the reformation; analysis of the Byzantine and Moslem societies on Western civilization; and expansion of European influence around the world through exploration, investment and colonization. Emphasis on the developments of the 20th century such as the revolutions, movements of social protest and the world wars are covered through a study of nationalism, imperialism, capitalism, socialism, and communism. Analysis of worldwide economic interdependence on the world today is made through a study of energy resources and the American market system. The Honors student will be expected to produce original projects, both inside and outside the classroom.

PSYCHOLOGY **GRADE: 10-12 CREDIT: .5**
PREREQUISITE: NONE

The psychology course scientifically studies human and animal behavior through the six approaches to present day mental, physical, and behavioral development. The course covers six to eight chapters ranging from a basic introduction through ways of experimentation; the brain and the body to sensation and perception; principles of learning to abnormal/clinical psychological diseases. Projects include bi-monthly current events, brain anatomy model, virtual rat training, and 2-3 in-class presentations. This is a cross-discipline elective that relies heavily on biology and general science.

PSYCHOLOGY DUAL CREDIT **GRADE: 10-12 CREDIT: .5**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

The psychology course scientifically studies human and animal behavior through the six approaches to present day mental, physical, and behavioral development.

SOCIOLOGY **GRADE: 10-12 CREDIT: .5**
PREREQUISITE: NONE

Sociology, a companion course to Psychology, concerns itself with human group interaction on several levels. Looking at groups as large as entire cultures or as small as a family, the course covers such diverse topics as adolescence, conformity, education, religion, race/racism, and wealth and poverty, to name a few. Class is discussion oriented and student participation is encouraged.

UNITED STATES HISTORY **GRADE: 11 CREDIT: 1**
PREREQUISITE: NONE

U.S. History deals briefly with the formation of the reunification of our nation. The course also illustrates the geographic, social, cultural, economic, and political influences and how these elements affect the historical development of our nation. An in-depth study covers industrialization's influence on society, reform movements, overseas expansion, World War I, prosperity of the 1920's, Depression and World War II, Challenges of the Postwar Era, Inflationary Economy, the World of the Future, and environmental problems.

AP UNITED STATES HISTORY **GRADE: 11 CREDIT: 1**
PREREQUISITE: WORLD HISTORY-Honors OR TEACHER RECOMMENDATION

U.S. History-AP is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials-their relevance to a given interpretive problem, their reliability, and their importance-and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

U.S. HISTORY/ ADVANCED SOCIAL STUDIES DUAL CREDIT 1301, 1302 **GRADE: 11 CREDIT: 1**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

HIST 1301- A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

HIST 1302- A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

UNITED STATES GOVERNMENT **GRADE: 12 CREDIT: .5**
PREREQUISITE: NONE

Places emphasis on the development and foundations of the U.S. Political system, its structures and functions, recognizes significant individuals who played important roles in establishing the U.S. Government. The student is given opportunities to participate and make decisions in civic affairs.

ECONOMICS **GRADE: 12 CREDIT: .5**
PREREQUISITE: NONE

To provide a basic understanding for an appreciation of the American Free Enterprise System, which is characterized by private ownership of the means of production and distribution of goods and services. Topics of study in this course include private decision-making in the investment process, business cycles of inflation and deflation, consumerism, the Federal Reserve System, the profit motive, competition, economic interdependence, and the role of business, labor, government, and individuals in the American Free Enterprise System.

AP ECONOMICS **GRADE: 12 CREDIT: .5 PREREQUISITE: NONE**

AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

TEXAS GOVERNMENT DUAL CREDIT 2306 **GRADE: 12 CREDIT: .5**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

UNITED STATES GOVERNMENT DUAL CREDIT 2305 **GRADE: 12 CREDIT: .5**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

PHYSICAL EDUCATION

P. E. **CREDIT: 1**

PREREQUISITE: COURSES WILL BE TAKEN IN A SEQUENCE

The Physical Education program consists of a variety of activities that provide students with (1) knowledge and motor skills basic to efficient movement, (2) rules, knowledge, and skill basic to proficient and team sports, (3) motivation and development of a high level of knowledge and fitness and the ability to maintain this level, and (4) knowledge and skills for leisure and lifetime sports activities. *

CREDIT: (A MAXIMUM OF 4 CREDITS MAY BE EARNED IN PHYSICAL EDUCATION)

LIFETIME RECREATION AND OUTDOOR PURSUITS

GRADE: 8-12 CREDIT: 1

PREREQUISITE: NONE

The Lifetime Recreation and Outdoor Pursuits course provides opportunities for students to develop competency in five or more lifelong recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits participate in activities that promote physical literacy, respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

CREDIT: (A MAXIMUM OF 4 CREDITS MAY BE EARNED IN PHYSICAL EDUCATION)

DRILL TEAM

GIRLS' P.E.: (DRILL TEAM) **GRADE: 9-12 CREDIT: 1**

PREREQUISITE: PLACEMENT ON DRILL TEAM

A Physical Education course specializing in drill team dancing will be offered in the fall for all drill team members and the spring for members and anyone interested in trying out for the drill team. This class will offer practice time for routines, stretching techniques, fundamentals of dance, and some routine choreography.

J.V. GIRLS' DRILL TEAM **GRADE: 10-12 CREDIT: 1 (DANCE OR PE CREDIT)**

PREREQUISITE: PLACEMENT ON DRILL TEAM

VARSITY GIRLS' DRILL TEAM I **GRADE: 10-12 CREDIT: 1 (DANCE OR PE CREDIT)**

PREREQUISITE: PLACEMENT ON DRILL TEAM

VARSITY GIRLS' DRILL TEAM II **GRADE: 10-12 CREDIT: 1 (DANCE OR PE CREDIT)**

PREREQUISITE: PLACEMENT ON DRILL TEAM

CHEERLEADING

VARSITY CHEERLEADING I **GRADE: 11-12 CREDIT: .5-1**

PREREQUISITE: PLACEMENT ON CHEER SQUAD

VARSITY CHEERLEADING II **GRADE: 12 CREDIT: .5-1**

PREREQUISITE: PLACEMENT ON CHEER SQUAD

ATHLETICS

CREDIT: 1 PREREQUISITE: COACH'S APPROVAL

712300—GIRLS' ATHLETICS (9TH GRADE)
722300—GIRLS' ATHLETICS (10TH GRADE)
732300—GIRLS' ATHLETICS (11TH GRADE)
742300—GIRLS' ATHLETICS (12TH GRADE)

711300—BOYS' ATHLETICS (9TH GRADE)
721300—BOYS' ATHLETICS (10TH GRADE)
731300—BOYS' ATHLETICS (11TH GRADE)
741300---BOYS' ATHLETICS (12TH GRADE)

711430—BOYS' SOCCER (9TH GRADE)
721430-- BOYS' SOCCER (10TH GRADE)
731430-- BOYS' SOCCER (11TH GRADE)
741430-- BOYS' SOCCER (12TH GRADE)

OTHER P.E. CREDITS: The first year of BAND counts as a PE credit and the second year of BAND counts as a FINE ART credit.

FINE ARTS

ART I **GRADE 9-12 CREDIT: 1**
PREREQUISITE: NONE

This is a survey class that is a foundation for the concentrated study on the Fine Arts and includes Crafts, the awareness of the environment through the study of the art elements and principles in design which include: drawing, painting, printmaking, sculpture and major crafts. Finally, the appreciation of self and others through the study of art history, and aesthetic growth through visual discrimination are the goals of this course.

ART II **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: ART I

This course covers design, drawing, and sculpture. This course will cover the elements and principles of design, historical background in Graphic Arts, and different mediums such as: charcoal, paint, water media, ink, color pencil, clay, plaster, cement, wood, paper mache, and synthetic clays.

ART III **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: ART II

This course includes advanced study in 3D works of art, drawing, and a variety of media. Students are independently working while expressing thoughts and ideas creatively, fostering creative thinking, and developing disciplined effort and progressive problem solving skills.

LEVEL FOUR ART/AP ART

The PREREQUISITE for all level 4 courses: The student must have TEACHER APPROVAL and at least a B average in lower level ART Courses. If a student wishes to enter an AP course without prior Art Courses they must submit a portfolio of no less than 12 works of art that prove understanding of the element and principles of design as well as above average techniques in at least three different mediums.

ART IV **GRADE: 12 CREDIT: 1**
PREREQUISITE: LEVEL 3

This course includes advanced study in 3D works of art, drawing, and a variety of media. Students are independently working while expressing thoughts and ideas creatively, fostering creative thinking, and developing disciplined effort and progressive problem solving skills

AP STUDIO ART – DRAWING

This portfolio is intended to address a very broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc.

AP STUDIO 2-D DESIGN

For this portfolio, students are asked to demonstrate understanding of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking.

BAND

MUSIC/ BAND **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: APPROVAL OF DIRECTOR

APPLIED MUSIC I	MUSIC 1, JAZZ
APPLIED MUSIC II	MUSIC 2, JAZZ
APPLIED MUSIC III	MUSIC 3, JAZZ
APPLIED MUSIC IV	MUSIC 4, JAZZ

Advanced instrumental instruction is provided in solo and ensemble preparation. Performance requirements will be met through participation in U.I.L. Contests and All-Region additions.

BAND I - IV **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: 8TH GRADE BAND MEMBER

The band will stress music theory, proper instrumental technique and creative self-expression. Students will be given opportunities to develop musically in preparing for individual and group parts demanding memorization of music and marching drills. Members of the band will be involved in marching and all-region participation in the fall semester. The spring semester will focus on solo, ensemble and concert playing.

CHOIR

CREDIT: 1
PREREQUISITE: TRYOUTS AND APPROVAL OF DIRECTOR

J.V. TREBLE CHOIR

J. V. GIRLS' CHOIR (9TH GRADE)	J. V. GIRLS' CHOIR (11TH GRADE)
J. V. GIRLS' CHOIR (10TH GRADE)	J. V. GIRLS' CHOIR (12TH GRADE)

This course is designed to continue building choral skills; with emphasis on sight reading and part singing. Students will be encouraged to participate in all-region tryouts and U.I.L. contests. All members will be required to perform in at least one major concert each semester.

VARSITY CHOIR

VARSITY GIRLS' CHOIR (9TH GRADE)	VARSITY GIRLS' CHOIR (11TH GRADE)
VARSITY GIRLS' CHOIR (10TH GRADE)	VARSITY GIRLS' CHOIR (12TH GRADE)

Members of these groups are selected through tryouts and must have a certain degree of musical ability and experience. More advanced vocal training will build on prior knowledge of music fundamentals and sight reading. There will be more opportunities for performances, contests, festivals, civic and community events, as well as all-region and U.I.L. events. Students are required to enroll for the entire year.

MEN'S ENSEMBLE CHOIR (9TH GRADE)	MEN'S ENSEMBLE CHOIR (10TH GRADE)

These courses are designed to continue building choral skills; with emphasis on sight reading and part singing. Students will be encouraged to participate in all-region tryouts and U.I.L. contests. All members will be required to perform in at least one major concert each semester.

MEN'S ENSEMBLE CHOIR (11TH GRADE)	MEN'S ENSEMBLE CHOIR (12TH GRADE)

These courses are considered advanced choir. Students will perform music covering a wide variety of musical styles, forms and time periods. This will be the most demanding class on vocal students' time and talent. This group participates in all contests and concerts.

MUSIC APPRECIATION

MUSIC APPRECIATION (DUAL CREDIT 1306) **GRADE: 11 CREDIT: 1**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

A course training the student in the art of creative listening and acquainting him with composers and their works.

DANCE

DANCE I-IV **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

Dance offers the student the opportunities to learn beginning ballet, jazz, hip hop, modern and social dancing techniques, as well as acquire a vocabulary of dance movement, a knowledge of factors that influence movement, the ability to creatively express themselves through movement, an awareness of space, time, and energy in dance technique or composition. Students will develop self-confidence through the use of the body as an expressive instrument and will develop an appreciation of dance as an art form.

THEATRE

THEATRE ARTS I **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

An introductory course to theatre that includes the study of basic acting concepts and skills, expressive use of the body and voice, theatre production concepts and aesthetic growth in thorough appreciation of theatrical events.

THEATRE ARTS II **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: THEATRE ARTS I AND TEACHER APPROVAL

A continuation course utilizing Theatre Arts I skills, plus the study of advanced characterization, and career opportunities.

THEATRE ARTS III **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: THEATRE ARTS II AND TEACHER APPROVAL

This course presents opportunities to progress in all levels of theatrics. The students will be introduced to the four basic strands of theatrical study (perception, creative expression/performance, historical and cultural heritage, and critical evaluation) which are extended through a variety of theatrical experiences.

THEATRE ARTS IV **GRADE: 12 CREDIT: 1**
PREREQUISITE: THEATRE ARTS I-III AND TEACHER APPROVAL

This course is an advanced course, which provides opportunities for developing directing techniques and playwriting techniques. The student shall be provided opportunities to recognize career opportunities, attend live theatrical events, and evaluate theatrical experiences.

TECHNICAL THEATRE I **GRADE: 9 CREDIT: 1**
PREREQUISITE: NONE

Technical theatre I introduces the basics of costume design/construction, makeup design/application including special effect makeup, and set design. Technical theatre students assist with these aspects of student productions and may also serve as technical crew for the lighting and sound design/implementation for those productions.

GRADE: 10-12 CREDIT: 1
PREREQUISITE: TEACHER APPROVAL

TECHNICAL THEATRE II
TECHNICAL THEATRE III
TECHNICAL THEATRE IV

Technical Theatre II, III, & IV will afford students the opportunity to continue to study and develop their knowledge of technical theatre arts on a more challenging level. Students explore and apply a myriad of technical theatre concepts and skills. Students will exercise and develop creativity, intellectual curiosity, critical thinking, problem solving, and collaborative skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.

LANGUAGES OTHER THAN ENGLISH

SPANISH I **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

Through development of listening, speaking, reading, and writing skills, students learn to communicate on everyday topics. They also have the opportunities to experience various aspects of another culture. Through the study of a foreign language, students will gain the skills necessary for learning any foreign language.

SPANISH II **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: SPANISH I

This course broadens the scope of the students' communication skills. Students further their knowledge of the history and culture of the countries in which the language is spoken. They also further develop language learning techniques.

CAREER AND TECHNOLOGY EDUCATION

BUSINESS AND INDUSTRY

AGRICULTURE SCIENCE AND TECHNOLOGY EDUCATION

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

SMALL ANIMAL MANAGEMENT **GRADE: 10-12 CREDIT: .5**
PREREQUISITE: NONE

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

EQUINE SCIENCE **GRADE: 10-12 CREDIT: .5**
PREREQUISITE: NONE

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules.

LIVESTOCK PRODUCTION **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

VETERINARY MEDICAL APPLICATIONS **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: SMALL ANIMAL, EQUINE, LIVESTOCK OR TEACHER APPROVAL

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species.

AGRIBUSINESS MANAGEMENT AND MARKETING **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

PROFESSIONAL STANDARDS IN AGRIBUSINESS **GRADE: 10–12 Credit: 0.5**
PREREQUISITE: NONE

Professional Standards in Agribusiness primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

FLORAL DESIGN **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.
Note: This course satisfies a fine arts credit requirement for students on the Foundation High School Program.

ADVANCED FLORAL DESIGN **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: FLORAL DESIGN

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

INTRODUCTION TO WELDING **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

AGRICULTURE STRUCTURES DESIGN AND FABRICATION/LAB **GRADE: 11–12 Credit: 1**
PREREQUISITE: NONE

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

AGRICULTURE EQUIPMENT DESIGN AND FABRICATION/LAB **GRADE: 11–12 Credit: 1**
PREREQUISITE: NONE

Recommended Prerequisites: Agricultural Mechanics and Metal Technologies. In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

ADVANCED ANIMAL SCIENCE **GRADE: 12 CREDIT: 1**
PREREQUISITE: BIOLOGY AND CHEMISTRY OR INTEGRATED PHYSICS AND CHEMISTRY (IPC); ALGEBRA L AND GEOMETRY; SMALL ANIMAL, EQUINE SCIENCE, OR LIVESTOCK PRODUCTION

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences..

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES **GRADE: 12 CREDIT: 2**
PREREQUISITE: NONE

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.

WELDING DUAL CREDIT 1421, 1428 **GRADE: 11-12 CREDIT: 3**
PREREQUISITE: MEET QUALIFICATIONS FOR ACCEPTANCE INTO KILGORE COLLEGE

1421- An introduction to the fundamentals of equipment used in oxy-fuel and arc welding, including welding and cutting safety, basic oxy-fuel welding and cutting, basic arc welding processes and basic metallurgy.

1428- An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxy-fuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

PROFESSIONAL STANDARDS IN AGRIBUSINESS **GRADE: 10–12 Credit: 0.5**
PREREQUISITE: NONE

Professional Standards in Agribusiness primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

ARCHITECTURE AND CONSTRUCTION

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

CONSTRUCTION TECHNOLOGY 1 **GRADE: 10-12 CREDIT: 2**
PREREQUISITE: NONE

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

CONSTRUCTION TECHNOLOGY 1I **GRADE: 11-12 CREDIT: 2**
PREREQUISITE: CONSTRUCTION TECHNOLOGY I

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction

management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

PRACTICUM IN CONSTRUCTION TECHNOLOGY **GRADE: 12 CREDIT: 2**
PREREQUISITE: CONSTRUCTION TECHNOLOGY II

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

BUSINESS

PRINCIPLES OF BUSINESS, MARKETING & FINANCE **GRADE: 9-11 CREDIT: 1**
PREREQUISITE: NONE

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

BUSINESS INFORMATION MANAGEMENT I **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

ACCOUNTING I **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.

ACCOUNTING II **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: ACCOUNTING I

In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.
Note: This course satisfies a math credit requirement for students on the Foundation High School Program.

BUSINESS LAW **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: NONE

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

BUSINESS MANAGEMENT **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: None

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

SOCIAL MEDIA MARKETING **GRADE: 9-12 CREDIT: .5**
PREREQUISITE: NONE

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

BANKING & FINANCIAL SERVICES **GRADE: 10-12 CREDIT: .5**
PREREQUISITE: NONE

In Banking and Financial Services, students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent employees and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

STATISTICS AND BUSINESS DECISION MAKING **GRADE: 12 CREDIT: 1**
PREREQUISITE: ALGEBRA II

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.
Note: This course satisfies a math credit requirement for students on the Foundation High School Program. (CTE Course)

PRACTICUM IN BUSINESS MANAGEMENT **GRADE: 12 CREDIT: 2**
PREREQUISITE: NONE

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

DOLLARS AND SENSE **GRADE: 11-12 CREDIT: .5**
PREREQUISITE: NONE

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

CAREER PREPARATION I **GRADE: 11-12 CREDIT: 2**
PREREQUISITE: TEACHER APPROVAL

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

CAREER PREPARATION II **GRADE: 12 CREDIT: 2 OR 3**
PREREQUISITE: CAREER PREP I

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.

BUSINESS MANAGEMENT **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: None

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

INFORMATION TECHNOLOGY

PRINCIPLES OF INFORMATION TECHNOLOGY **GRADE: 8-10 CREDITS: 1**
PREREQUISITE: NONE

In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

FOUNDATIONS OF CYBERSECURITY **GRADE: 9-12 CREDIT: 1**
PREREQUISITE: NONE

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

COMPUTER MAINTENANCE **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

In Computer Maintenance, students will acquire knowledge of computer maintenance and create appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

COMPUTER SCIENCE I **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: ALGEBRA I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

COMPUTER SCIENCE II **GRADE: 11-12 CREDIT: 1**

PREREQUISITE: ALGEBRA I and either COMPUTER SCIENCE I or FUNDAMENTALS OF COMPUTER SCIENCE I

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

COMPUTER TECHNICIAN PRACTICUM I **GRADE: 11-12 CREDIT: 2**

PREREQUISITE: NONE

In the Computer Technician Practicum, students will gain knowledge and skills in computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both.

COMPUTER TECHNICIAN PRACTICUM II **GRADE: 12 CREDIT: 2**

PREREQUISITE: NONE

In the Extended Computer Technician Practicum, students will gain knowledge and skills in computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both. Students shall be awarded one credit for successful completion of this course..

PRACTICUM IN INFORMATION TECHNOLOGY **GRADE: 12 CREDIT: 2**

PREREQUISITE: TWO IT COURSES

In Extended Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both.

STEM

PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

GRADE: 12 CREDIT: 2

PREREQUISITE: ALGEBRA I AND GEOMETRY

RECOMMENDED PREREQUISITES: TWO SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) CAREER CLUSTER CREDITS

Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills.

DIGITAL ARTS

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS GRADE:8-9 CREDITS: 1

PREREQUISITE: NONE

The goal of this course is that the student understands arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

AUDIO/VIDEO PRODUCTION I/LAB GRADE: 10-12 CREDIT: 1 OR 2

PREREQUISITE: NONE

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products.

AUDIO/VIDEO PRODUCTION II/LAB GRADE: 11-12 CREDIT: 1 OR 2

PREREQUISITE: AUDIO/VIDEO PRODUCTION I

Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and postproduction products. This course may be implemented in an audio format or a format with both audio and video

GRAPHIC DESIGN AND ILLUSTRATION I/LAB GRADE: 10-12 CREDIT: 1 OR 2

PREREQUISITE: NONE

Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

GRAPHIC DESIGN AND ILLUSTRATION II/LAB GRADE: 11-12 CREDIT: 1 OR 2

PREREQUISITE: GRAPHIC DESIGN AND ILLUSTRATION I

Within this context, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

PRACTICUM IN AUDIO/VIDEO PRODUCTION GRADE: 12 CREDIT: 2

PREREQUISITE: AUDIO/VIDEO PRODUCTION II/LAB

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION GRADE: 12 CREDIT: 2

PREREQUISITE: GRAPHIC DESIGN AND ILLUSTRATION II/LAB

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

CULINARY ARTS

INTRODUCTION TO CULINARY GRADE: 9-10 CREDIT: 1

PREREQUISITE: NONE

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run

restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

CULINARY ARTS **GRADE: 10-12 CREDIT: 2**
PREREQUISITE: NONE

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

ADVANCED CULINARY ART **GRADES: 11-12 CREDIT: 2**
PREREQUISITE: CULINARY ARTS

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

PRACTICUM IN CULINARY ARTS **GRADES: 12 CREDIT: 2**
PREREQUISITE: CULINARY ARTS

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing culinary art based workplace.

PUBLIC SERVICES

EDUCATION

PRINCIPLES OF EDUCATION & TRAINING **GRADE: 9-10 CREDIT: 1**
PREREQUISITE: NONE

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

HUMAN GROWTH & DEVELOPMENT **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING **GRADE: 11 CREDIT: 2**
PREREQUISITE: NONE

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

PRACTICUM IN EDUCATION & TRAINING **GRADE: 12 CREDIT: 2**
PREREQUISITE: INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

HEALTH SCIENCE

PRINCIPLES OF HEALTH SCIENCE **GRADE: 9-10 CREDIT: 1**
PREREQUISITE: NONE

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

HEALTH SCIENCE THEORY **GRADE: 10-12 CREDIT: 2**
PREREQUISITE: BIOLOGY

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

PRACTICUM IN HEALTH SCIENCE I **GRADE: 11-12 CREDIT: 2**
PRACTICUM—HEALTH SCIENCE II **GRADE: 12 CREDIT: 3**
PREREQUISITE: HEALTH SCIENCE THEORY AND BIOLOGY

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

ANATOMY AND PHYSIOLOGY **GRADE: 11-12 CREDIT: 1**
PREREQUISITE: BIOLOGY AND A SECOND SCIENCE

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.
Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

MEDICAL TERMINOLOGY **GRADE: 10-12 CREDIT: 1**
PREREQUISITE: NONE

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

HUMAN SERVICES

DOLLARS AND SENSE **GRADE: 11-12 CREDIT: .5**
PREREQUISITE: NONE

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

LIFETIME NUTRITION AND WELLNESS **GRADE: 9-12 CREDIT: .5**
PREREQUISITE: NONE

This course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services and health sciences.

INTERPERSONAL STUDIES

GRADE 9-12 CREDIT: .5
PREREQUISITE: NONE

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

LAW

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY GRADE: 9-12 CREDIT: 1
PREREQUISITE: NONE

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

COURT SYSTEMS AND PRACTICES GRADE: 10-12 CREDIT: 1
PREREQUISITE: NONE

Recommended Prerequisite: Law Enforcement l or Principles of Government or Public Administration. Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

BUSINESS LAW GRADE: 11-12 CREDIT: 1
PREREQUISITE: NONE

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable

LAW ENFORCEMENT I GRADE: 10-12 CREDIT: 1
PREREQUISITE: NONE

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security. Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

LAW ENFORCEMENT II GRADE: 10-12 CREDIT: 1
PREREQUISITE: NONE

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

FORENSIC SCIENCE GRADE: 11-12 CREDIT: 1
PREREQUISITE: BIOLOGY AND CHEMISTRY

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic

science. Scientific methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked. Note: This course satisfies a science credit requirement for students on the Foundation High School Program. (CTE Course)

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY GRADE: 12 CREDIT: 2
PREREQUISITE: PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. The Law, Public Safety, Corrections, and Security Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services.

STEM

PRINCIPLES OF APPLIED ENGINEERING GRADE: 9-10 CREDIT: 1
PREREQUISITE: NONE

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will understand the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

ENGINEERING DESIGN AND PRESENTATION I GRADE: 10-12 CREDIT: 1
PREREQUISITE: ALGEBRA I

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

ENGINEERING DESIGN AND PROBLEM SOLVING GRADE: 11-12 CREDIT: 1
PREREQUISITE: ALGEBRA I AND GEOMETRY

The Engineering Design and Problem-Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines.
Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

ROBOTICS I GRADE: 9-10 CREDIT: 1
PREREQUISITE: NONE

In Robotics I, students will transfer academic skills to component designs in a project based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

ROBOTICS II GRADE: 10-12 CREDIT: 1
PREREQUISITE: ROBOTICS I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.
Note: This course satisfies a math credit requirement for students on the Foundation High School Program.

SCIENTIFIC RESEARCH AND DESIGN **GRADE: 12 CREDIT 1**

PREREQUISITE: BIOLOGY, CHEMISTRY, INTEGRATED PHYSICS, CHEMISTRY (IPC), OR PHYSICS

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. These components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education. Students must meet the 40% laboratory and fieldwork requirement. Students may take this course with different course content for a maximum of three credits.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

GRADE: 12 CREDIT: 2

PREREQUISITE: ALGEBRA I AND GEOMETRY

RECOMMENDED PREREQUISITES: TWO SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) CAREER CLUSTER CREDITS

Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills.

CAREER DEVELOPMENT

GENERAL EMPLOYABILITY SKILLS **GRADE: 9-12 CREDIT: 2**

PREREQUISITE: NONE

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time.

STUDENT TO INDUSTRY CONNECTION

GRADE: 11-12 CREDIT: 1

PREREQUISITE: SUCCESSFUL COMPLETION OF TWO CAREER AND TECHNICAL EDUCATION COURSES

The Student to Industry Connection course provides students with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of study and to demonstrate necessary skills for an online virtual workplace. Students will learn acceptable virtual etiquette and professionalism for a teleworking environment. The central focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment. The course is recommended for students 16 years of age or older.

In extenuating circumstances, prerequisites for CTE courses can be waived with the approval of the teacher, CTE director, and principal.

LOCAL CREDITS

(Local credits do not count toward graduation)

OFFICE ASSISTANT (Application Process Required; SENIORS only)

LIBRARY ASSISTANT (Application Process Required; SENIORS only)

COUNSELOR ASSISTANT (Application Process Required; SENIORS only)

TEACHER ASSISTANT (Application Process Required; SENIORS only)

NCAA PROCESS

9th Grade

- Student asks counselor for a list of high school's core courses to ensure he or she takes the right classes.

10th Grade

- Student registers with the NCAA Eligibility Center at eligibilitycenter.org.
- At the end of the year, counselor provides student's official transcript to the NCAA Eligibility Center.

11th Grade

- Students checks with counselor to make sure he or she will graduate on time with all required NCAA core courses.
- Student takes the ACT or SAT, submitting his or her scores to the NCAA using code 9999.
- At the end of the year, counselor provides student's official transcript to the NCAA Eligibility Center.

12th Grade

- Student finishes last NCAA core courses.
- Student takes the ACT or SAT again, if necessary, submitting his or her scores to the NCAA using code 9999.
- After April 1, student requests final amateurism certification decision from the NCAA Eligibility Center.
- After graduation, counselor provides student's final official transcript with proof of graduation to the NCAA Eligibility Center.

DUAL CREDIT

Kilgore College requirements for acceptance into Dual Credit courses:

Test Method	Required Score	Courses
EOC English II	4000 or higher	Any academic course except Statistics
TSIA 2 English w/ Essay Score	945 or greater English Score with Essay score of 5 or greater	Any academic course except Statistics
EOC Algebra I	4000 or higher	Statistics
TSIA 2 Math	950 or greater; If less than 950, Diagnostic Score of 6	Statistics

Available Academic Dual Credit courses:

Grade Level	Academic Course	Found on Page
11th grade	Music History	20
	Professional Communications	12
	U.S. History	17
12th grade	Texas Government	17
	U.S. Government	17
	English 4	11
	Psychology	16
	Statistics	14