|

**Karnes City High School**

2022-2023 Course Guide

**ENGLISH LANGUAGE ARTS**

*The State Board of Education (SBOE) has approved the following courses to substitute for the 4th English/Language arts credit. Karnes City ISD offers the following approved courses: College Preparatory English Language Arts, and Advanced Journalism Yearbook III.*

English I

**English I**

**Credit: 1** **Grade: 9 – 12**

**PEIMS #03220100** **Course #1101**

This course is a study of literature and language. Critical thinking skills are emphasized with literary readings providing models for analysis, discussion, and writing. Composition includes a study of the multi-paragraph essay with emphasis on exposition, narration, literary analysis, and research skills.

**English I Honors** **Course #1111**

English II

**English II**

**Credit: 1** **Grade: 10 – 12**

**PEIMS #03220200** **Course #1102**

In English II, students will use critical thinking skills to analyze literature, poetry, and non-fiction texts for analysis, discussion, and writing. Students will write in the rhetorical, informative, persuasive, and literary analysis modes and build on skills in the areas of grammar, mechanics, vocabulary, oral presentations, listening, speaking, reading, research, and writing.

**English II Honors** **Course #1112**

English III

**English III**

**Credit: 1** **Grade: 11 – 12**

**PEIMS #03220300** **Course #1103**

This course is a study of study of American Literature. Composition skills are developed through multiple opportunities to create short answers as well as multi-paragraph essays based on reader-response, argumentation, rhetorical analysis, and research-based synthesis writing.

**English III** **- CBC Dual Credit**

**Credit: 1** G**rade: 11 – 12**

**PEIMS #03220300** **Course #1105**

Prerequisite: CBC Dual Credit Enrollment Process, TSI Required

English III dual credit is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. The course consists of ENGL 1301 fall semester and ENGL 1302 spring semester with an American Literature overlay. Upon successful completion of the course, students will receive high school English III credit. Students must make at least a 70 in both semesters to receive high school credit. This course is not used to determine grade point average (GPA) at the high school level.

English IV

**English IV**

**Credit: 1** **Grade: 12**

**PEIMS #03220400** **Course #1104**

This course is an extensive study of modern and postmodern reading, writing, speaking, and listening skills with a focus on 21st Century literacy skills. Texts are chosen for their thematic connections to informational articles with real-world relevance. Students will carry out a synthesis-based formal research essay, and a multimedia project on an issue or topic of contemporary significance.

**English IV** **- CBC Dual Credit**

**Credit: 1.5** G**rade: 12**

**PEIMS #03220400** **Course #1109**

*Prerequisite: CBC Dual Credit Enrollment Process*

English IV dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of ENGL 2322 British Literature I fall semester and ENGL 2323 British Literature II spring semester with a British Literature overlay. Upon successful completion of the course, students will receive high school English IV credit. Students must make at least a 70 in both semesters to receive high school credit.

**College Preparatory English (Texas College Bridge)**

**Credit: 1** **Grade: 12**

**PEIMS #CP110100**  **Course #1199**

Prerequisite: TSI taken

In this college preparatory course, students improve their reading and writing skills through engagement with a variety of texts across content areas and genres. As a result, students develop and express ideas clearly and effectively to communicate with different audiences for various purposes and occasions. ELAR College Prep is intended to build the foundation for the study of Freshman Composition.

English Electives

**Yearbook I**

**Credit: 1** **Grade: 9-12**

**PEIMS #** **03230110** **Course #1700**

**Yearbook II**

**Credit: 1** **Grade: 10-12**

**PEIMS #** **03230120** **Course #1701**

**Yearbook III**

**Credit: 1** **Grade: 11-12**

**PEIMS #** **03230130** **Course #1703**

Students are assigned to positions of responsibility on the staff of the yearbook. The class will work as a team to develop a theme and layout plan for the book. Each student will be responsible for covering and reporting on a number of different areas. Skills in reporting, feature writing, headlines, photo work, layout, and editing will be employed as well as marketing skills.

**MATHEMATICS**

*The State Board of Education (SBOE) has approved courses to substitute for math credits. Karnes City ISD offers the following approved math substitution courses: AgMath (CTE) and Financial Mathematics (CTE). Please see your counselor for additional information concerning substitution options/requirements.*

Algebra I

**Algebra I**

**Credit: 1** **Grade: 9 – 12**

**PEIMS #03100500** **Course #2041**

*Prerequisite: Mathematics, Grade 8 or its equivalent*

Algebra 1 is designed to expand the basic arithmetic skills to a more abstract level required for advanced mathematics. Topics studied includes real number operations, function concepts, rational and polynomial concepts, and linear functions, inequalities with one or two variables, graphs in a plane, square roots, and quadratic functions.

Geometry

**Geometry**

**Credit: 1** **Grade: 9 – 12**

**PEIMS #03100700** **Course #2053**

*Prerequisite: Algebra I*

This course provides a general study of plane and solid geometry. Techniques used in deductive reasoning will be introduced. Topics include geometric properties, postulates and theorems, triangles, polygons, circles, geometric formulas, constructions, coordinate geometry, and transformations.

**Geometry Honors** **Course #2051**

Algebra II

**Algebra II**

**Credit: 1** **Grade: 10 – 12**

**PEIMS #03100600** **Course #2042**

*Recommended Prerequisite: Geometry*

Algebra 2 is designed to increase skills in algebraic operations. Studies include the complex number system, higher-degree polynomials, and exponential and logarithmic functions, and second-degree equations, systems of linear equations, sequence and series, and application of algebraic skills through stated problems.

**Algebra II Honors** **Course #2043**

Other Mathematics

**Math Models with Applications**

**Credit: 1** **Grade: 11-12**

**PEIMS #03102400** **Course #2072**

Mathematical Models with Applications combines algebraic, geometric, and graphical reasoning to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science.

**College Preparatory Mathematics (Texas College Bridge)**

**Credit: 1** **Grade: 12**

**PEIMS #CP111200** **Course #2199**

Prerequisite: TSI Math taken

Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic fractions, complex numbers, graphing linear equations and inequalities, quadratic equations, systems of equations, and an introduction to functions. Emphasis is placed on developing the skills necessary to successfully complete an entry-level college mathematics course. Students will be required to solve problems with and without the use of a calculator.

**College Algebra (Dual Credit)** “Independent Math 1”

**Credit: 1** **Grade: 11**

**PEIMS #03102500** **Course #2310**

*Prerequisite: CBC Dual Credit Enrollment Process, TSIA Math, Algebra I, Geometry and Algebra II*

The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of MATH 1314. Upon successful completion of the course, students will receive high school Independent Study Math 1 credit. Students must make at least a 70 in both semesters to receive high school credit.

**College Pre-Calculus (Dual Credit)**

**Credit: 1** **Grade: 12**

**PEIMS #03102502** **Course #2311**

*Prerequisite: CBC Dual Credit Enrollment Process, TSIA Math and College Algebra*

The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of MATH 2412. Upon successful completion of the course, students will receive high school Independent Study Math 2 credit. Students must make at least a 70 in both semesters to receive high school credit.

**Calculus (Dual Credit)**

**Credit: 1** **Grade: 12**

**PEIMS #03102501** **Course #2312**

*Prerequisite: CBC Dual Credit Enrollment Process, TSIA Math and College Pre-Calculus*

The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of MATH 2413. Upon successful completion of the course, students will receive high school Independent Study Math 3 credit. Students must make at least a 70 in both semesters to receive high school credit.

**Ag Math**

**Credit: 1** **Grade: 11-12**

**PEIMS #** **13001000** **Course #6261**

**SCIENCE**

*The State Board of Education (SBOE) has approved courses to substitute for math credits. Karnes City ISD offers the following approved science substitution courses: Advanced Animal Science (CTE) and Forensic Science (CTE). Please see your counselor for additional information concerning substitution options/requirements.*

Biology

**Biology**

**Credit: 1** **Grade: 9 – 12**

**PEIMS #03010200** **Course #3031**

*Prerequisite: None*

Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; plants and the environment. The student will gain experience in manipulating the conditions of a laboratory investigation and in evaluating the applications of biological principles in everyday life.

**Biology Honors Course #3032**

Chemistry and Physics

**Chemistry**

**Credit: 1** **Grade: 10 – 12**

**PEIMS #03040000** **Course #3051**

*Prerequisite: Biology*

Chemistry is a course in which students will associate chemical principles to real world experiences. This year long, lab-oriented course will allow students to use scientific inquiry techniques for experimentation, data collection and analysis. To be successful in this course, students will need basic knowledge of algebra, the metric system and measurement conversions, and the periodic table.

**Chemistry Honors** **Course #3052**

**Integrated Physics & Chemistry (IPC)**

**Credit: 1** **Grade: 10 – 12**

**PEIMS #03060201** **Course #3021**

*Prerequisite: Biology*

This course integrates the disciplines of physics and chemistry at the introductory level. Topics studied include: force and motion; waves; energy transformations; properties of matter; changes in matter and solution chemistry. Students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving.

**Physics I**

**Credit: 1** **Grade: 11 – 12**

**PEIMS #3050000** **Course #3071**

*Prerequisite: Biology and Chemistry*

Physics 1 is recommended for the college-bound student planning to specialize in any scientific or technical area. Physics deals with interactions and relationships of matter, energy, forces, and motion. Laboratory exercises will be used to evaluate cause-and- effect relationships and to describe physical processes. Since Physics 1 requires extensive problem solving, a good math background is recommended.

Other Science

**Environmental Systems**

**Credit: 1** **Grade: 11-12**

**PEIMS #03020000** **Course #3501**

*Prerequisite: Two credits in science*

In Environmental Systems, 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: biotic and abiotic (living and non-living) factors in habitats, ecosystems and biomes, the relationships among resources, such as land, nutrients and water, and an environmental system, the sources and flow of energy through an environmental system, changes in populations and ecosystems, and changes in environments due to human impact.

**Environmental Science (Dual Credit)**

**Credit: 1** **Grade: 12**

**PEIMS #13037220** **Course #3036**

*Prerequisite: CBC Dual Credit Enrollment Process and College Algebra*

The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of BIOL 2306. Upon successful completion of the course, students will receive high school Scientific Research & Design 3 credit. Students must make at least a 70 in both semesters to receive high school credit.

**Biology (Dual Credit)**

**Credit: 1** **Grade: 12**

**PEIMS #13037200** **Course #3034**

*Prerequisite: CBC Dual Credit Enrollment Process and College Pre-Calculus*

The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of BIOL 1308. Upon successful completion of the course, students will receive high school Scientific Research & Design credit. Students must make at least a 70 in both semesters to receive high school credit.

**Chemistry (Dual Credit)**

**Credit: 1** **Grade: 12**

**PEIMS #13037200** **Course #3035**

*Prerequisite: CBC Dual Credit Enrollment Process and College Pre-Calculus*

The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of CHEM 1306/1111. Upon successful completion of the course, students will receive high school Scientific Research & Design 2 credit. Students must make at least a 70 in both semesters to receive high school credit.

**Anatomy & Physiology**

**Credit: 1** **Grade: 12**

**PEIMS #13037200** **Course #3040**

*Prerequisite: Biology, plus one additional Science credit*

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.

**SOCIAL STUDIES**

*The State Board of Education (SBOE) requires two of the credits must* c*onsist of United States History Studies Since 1877 (one credit), United States Government (one-half credit), and Economics with Emphasis on the Free Enterprise System and Its Benefits (one-half credit). Please see your counselor for additional information concerning substitution options/requirements.*

**World Geography**

**Credit: 1** **Grade: 9**

**PEIMS #03320100** **Course #4020**

*Prerequisite: None*

This course is designed to acquaint the student with the physical and cultural geography of the earth. Physical and cultural geography will be compared. Students will explore geographic principles and themes, the physical setting of the earth, and the world’s regions and cultures.

**World Geography Honors Course #4021**

**World History**

**Credit: 1** **Grade: 10 - 12**

**PEIMS #03340400** **Course #4012**

*Prerequisite: None*

This course will offer students a survey approach to the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Students will analyze important events and issues in western civilizations as well as in civilizations in other parts of the world. Students will examine geographic factors of major historical events, the historic origins of contemporary economic and political systems, the influence and growth of religion and philosophy and the connections between major scientific and technological developments and industrial growth.

**World History Honors** **Course #4013**

**US History**

**Credit: 1** **Grade: 11 – 12**

**PEIMS #03340100** **Course #4001**

*Prerequisite: World Geography or World History*

The history of the United States from 1867 to the present is surveyed. Topics include the emergence of the US as a world power, the geographical influence on historical events, the economic growth and development of the US, social and cultural developments within the country, and the evolution of political processes since the Reconstruction.

**Dual Credit US History**

**Credit: 0.5** **Grade: 11 – 12**

**PEIMS #03340100** **Course #4006**

*Prerequisite: CBC Dual Credit Enrollment Process and World Geography or World History*

The history of the United States prior to 1867 is surveyed. The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of HIST 1302. Upon successful completion of the course, students will receive high school Social Studies Advanced 2 credit. Students must make at least a 70 in both semesters to receive high school credit.

**Dual Credit US History**

**Credit: 1** **Grade: 11 – 12**

**PEIMS #0380021** **Course #4102**

*Prerequisite: CBC Dual Credit Enrollment Process and World Geography or World History*

The history of the United States from 1867 to the present is surveyed. Topics include the emergence of the US as a world power, the geographical influence on historical events, the economic growth and development of the US, social and cultural developments within the country, and the evolution of political processes since the Reconstruction. The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of HIST 1301. Upon successful completion of the course, students will receive high school US History credit. Students must make at least a 70 in both semesters to receive high school credit.

**US Government**

**Credit: 0.5** **Grade: 12**

**PEIMS #03330100** **Course #4500**

*Prerequisite: US History*

This course is designed to provide an understanding of the functions of federal, state, and local governments. Major focus is placed on the Constitution and its influence on all governmental levels, and the rights and responsibilities of American citizenship.

**Dual Credit US Government**

**Credit: 0.5** **Grade: 12**

**PEIMS #03330100** **Course #4506**

*Prerequisite: CBC Dual Credit Enrollment Process and US History*

This course is designed to provide an understanding of the functions of federal, state, and local governments. Major focus is placed on the Constitution and its influence on all governmental levels, and the rights and responsibilities of American citizenship. The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of GOVT 2305. Upon successful completion of the course, students will receive high school US Government credit. Students must make at least a 70 to receive high school credit.

**Economics**

**Credit: 0.5** **Grade: 12**

**PEIMS #03310300** **Course #4502**

*Prerequisite: US History*

Economics emphasizes the free enterprise system of the United States. Topics include the theory of supply and demand, price factors of production, income distribution, the organization and function of the Federal Reserve System, and government regulation of the market system. Comparative economic systems are studied.

**Dual Credit Economics**

**Credit: 0.5** **Grade: 12**

**PEIMS #03310300** **Course #4507**

*Prerequisite: CBC Dual Credit Enrollment Process and US History*

Economics emphasizes the free enterprise system of the United States. Topics include the theory of supply and demand, price factors of production, income distribution, the organization and function of the Federal Reserve System, and government regulation of the market system. Comparative economic systems are studied. The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of GOVT 2305. Upon successful completion of the course, students will receive high school US Government credit. Students must make at least a 70 to receive high school credit.

**Personal Financial Literacy (elective course)**

**Credit: 0.5** **Grade: 10-12**

**PEIMS #03380082** **Course #4590**

*Prerequisite: None*

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. It is designed to be an interactive and research-based course. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and postsecondary education and training. This elective course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education. Students analyze the relationship between education and training and earnings potential; evaluate the quality of potential college, postsecondary education, and training courses; evaluate the total cost of these programs; and analyze the advantages and disadvantages of various sources of funds to pay for their education.

**Psychology (Dual Credit)**

**Credit: 0.5** **Grade: 11-12**

**PEIMS #03350100** **Course #8611**

*Prerequisite: CBC Dual Credit Enrollment Process, TSI Reading & Writing*

Psychology will include the nature of psychology, human growth and development and behavior. In addition, students will learn stages of human growth and development; understand factors involved in learning and language development; describe thinking and creative processes; explain motivation and emotion and understand personality theories, disorder theories, and personality testing and assessment. Students also will analyze the development of self-concept, understand relationships of individuals with other individuals and with groups, and establish individual long range and short-range goals.The dual credit is taught by an adjunct CBC professor and is scheduled during the regular school day. The course consists of PSYC 2301. Upon successful completion of the course, students will receive high school Psychology credit. Students must make at least a 70 in both semesters to receive high school credit.

**Sociology (Dual Credit)**

**Credit: 0.5** **Grade: 9-12**

**PEIMS #** **03370100** **Course #4621**

*Prerequisite: CBC Dual Credit Enrollment Process, TSI Reading & Writing*

The scientific study of human society, including ways in which groups, social institutions and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance..Students will receive a high school Sociology credit and SOCI 1301 credit at CBC.

**Texas Government (Dual Credit)** “SSADV 1”

**Credit: 0.5** **Grade: 11-12**

**PEIMS #03380001** **Course #4101**

*Prerequisite: CBC Dual Credit Enrollment Process, TSI Reading & Writing*

Origin and development of the Texas Constitution, structure and powers of the state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. Students will receive a high school Advanced Social Studies 1 credit and GOVT 2306 credit at CBC.

**PHYSICAL EDUCATION AND RELATED ELECTIVES**

Physical Education

**Physical Education**

**Credit: 1** **Grade: 9-12**

**PEIMS #PES00055** **Course #7000**

*Prerequisite: None*

Students will study the history, rules, and techniques of different sports, as well as participate in friendly competition in these sports. Sports include football, basketball, baseball, track, tennis, volleyball, and other team and individual sports.

**Athletics 1 (PE Credit)**

**Credit: 1** **Grade: 9-12**

**PEIMS #PES00000** **Course #7001 Girls/#7011 Boys**

**Athletics 2**

**Credit: 1** **Grade: 10-12**

**PEIMS #PES00001** **Course #7002 Girls/#7012 Boys**

**Athletics 3**

**Credit: 1** **Grade:11-12**

**PEIMS #PES00002** **Course #7003 Girls/#7013 Boys**

**Athletics 4**

**Credit: 1** **Grade: 12**

**PEIMS #PES00003** **Course #7004 Girls/#7014 Boys**

Karnes City High School offers a variety of competitive sports for both girls and boys. Athletic activities are operated under guidelines of the University Interscholastic League. Participation requires approval of the head coach of the respective sport, parent permission, a physical examination by a licensed physician, evidence of insurance, and maintenance of a satisfactory academic record.

**INTERDISCIPLINARY COURSES AND SPECIAL TOPICS**

**Leadworthy**

**Credit: 0.5** **Grade: 10-12**

**PEIMS #N1290012** **Course #8741**

*Prerequisite: None*

This course is designed to develop student leadership, professional, and interpersonal skills. Students learn to develop a healthy self- concept, while at the same time developing skills in public speaking, decision making, and goal-setting. This course is highly interactive with students learning in a cooperative atmosphere.

**Robotics I**

**Credit: 1** **Grade: 9-12**

**PEIMS #1303700** **Course #6891**

*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**

**Credit: 1** **Grade: 10-12**

**PEIMS #13037050** **Course #6892**

*Prerequisite: Robotics 1*

This course is designed to develop student leadership, professional, and interpersonal skills. Students learn to develop a healthy self- concept, while at the same time developing skills in public speaking, decision making, and goal-setting. This course is highly interactive with students learning in a cooperative atmosphere.

**Professional Communications (Dual Credit)**

**Credit: 0.5** **Grade: 9-12**

**PEIMS #13009900** **Course #6625**

*Prerequisite: CBC Dual Credit Enrollment Process*

Professional Communications blends written, oral, and graphic communication in a career-based environment. Employers in the global economy list communications as the number one skill they look for in a potential employee when hiring. The ability to communicate professionally includes having a clear understanding of communication strategies, interpersonally and in a group, as well as in professional presentation. In this course students will study how and why we communicate in a professional setting as well as within our personal relationships. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, and conduct Internet research. Students will receive a high school Professional Communications credit and SPCH 1311 credit at CBC.

**LANGUAGES OTHER THAN ENGLISH**

*Two credits of LOTE are required for graduation.*

Spanish

**Spanish 1**

**Credit: 1** **Grade: 9-12**

**PEIMS #03440100** **Course #1901**

*Prerequisite: None*

Spanish 1 is an introductory course in the language with emphasis on communication. Communication is the overarching goal of world language instruction. Students will be provided ample opportunities to engage in conversations, to present information to an audience, and to interpret culturally authentic materials in the language of study using three models of communication. The American Council on the Teaching of Foreign Languages (ACTFL) identifies three modes of communication: interpersonal, interpretive, and presentational.

**Spanish 2**

**Credit: 1** **Grade: 9-12**

**PEIMS #03440200** **Course #1902**

*Prerequisite: Spanish 1*

Spanish 2 is an extension of Spanish 1. Communication is the overarching goal of world language instruction. Students will be provided ample opportunities to engage in conversation, to present information to an audience, and to interpret culturally authentic materials in the language of study using the three modes of communication. Students are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course. The American Council on the Teaching of Foreign Languages (ACTFL) identifies three modes of communication: interpersonal, interpretive, and presentational.

**Spanish 3 HONORS**

**Credit: 1** **Grade: 10-12**

**PEIMS #03440300** **Course #1903**

*Prerequisite: None*

Communication is the overarching goal of world language instruction. Students will be provided ample opportunities to engage in conversation, to present information to an audience, and to interpret culturally authentic materials in the language of study using the three modes of communication. Students are expected to reach a proficiency level of Novice High to Intermediate low by the end of the course. Students in Level III are expected to reach a proficiency level of Intermediate to Low to Intermediate Mid, as defined in the ACTFL Proficiency Guidelines..

**FINE ARTS**

Art

**Art 1**

**Credit: 1** **Grade: 9-12**

**PEIMS #03500100** **Course #8204**

*Prerequisite: None*

Students will explore all types of visual artistic expression through written and studio art projects. No prior art experience is necessary. Topics include basic design, painting, printmaking, sculpture, ceramics, art history, and art appreciation. Art 1 is a prerequisite course for all other level 2,3, and 4 courses.

**Art 2**

**Credit: 1** **Grade: 10-12**

**PEIMS #03500500** **Course #8206**

*Prerequisite: Art 1*

**Art 3**

**Credit: 1** **Grade: 11-12**

**PEIMS #03501300** **Course #8210**

*Prerequisite: Art 2*

**Art 4**

**Credit: 1** **Grade: 11-12**

**PEIMS #03502300** **Course #8212**

*Prerequisite: Art 3*

Theater Arts

**Theater Arts 1**

**Credit: 1** **Grade: 9-12**

**PEIMS #03250100** **Course #8201**

*Prerequisite: None*

This is the basic introduction to acting and design. Students will build their confidence and performance skills while also developing their creativity.

**Theater Arts 2**

**Credit: 1** **Grade:10-12**

**PEIMS #03250200** **Course #8202**

*Prerequisite: Theater Arts 1*

**Theater Arts 3**

**Credit: 1** **Grade:11-12**

**PEIMS #03250300** **Course #8203**

*Prerequisite: Theater Arts 2*

Band

**Band 1**

**Credit: 1** **Grade: 9-12**

**PEIMS #03150100** **Course #8001**

*Prerequisite: None*

The band performs at a number of school events, including all varsity football games, pep rallies, civic functions, parades, marching and concert contests, and competes with other bands in University Interscholastic League (UIL) events, therefore all members must retain academic eligibility. Participation in performances and practices outside normal school hours are mandatory for the success of the band program. Placement is accomplished through auditions consisting of scales, etudes, and sight reading. All members of the marching band program must participate in one of the concert organizations. These groups meet separately during the school day. All rehearsals, sectionals and performances must be attended (if eligible) in order to remain a performing member of the band program. This is a full year course.

**Band 2**

**Credit: 1** **Grade:10-12**

**PEIMS #03150200** **Course #8002**

*Prerequisite: Band 1*

**Band 3**

**Credit: 1** **Grade:11-12**

**PEIMS #03150300** **Course #8003**

*Prerequisite: Band 2*

**Band 4**

**Credit: 1** **Grade:11-12**

**PEIMS #03150400** **Course #8004**

*Prerequisite: Band 3*

Music

**Music Appreciation**

**Credit: 1** **Grade: 9-12**

**PEIMS #03155600** **Course #8011**

*Prerequisite: None*

Students will grow in their understanding of music as they listen to classics from different time periods.

Students will develop their ear to identify instruments, musical pieces, and musical periods by their sound. Students will also learn music terminology and music theory in order to express in writing accurate descriptions of music.

**Music Appreciation (Dual Credit)**

**Credit: 1** **Grade:10-12**

**PEIMS #03155600** **Course #8012**

*Prerequisite: CBC Dual Credit Enrollment Process*

**CAREER AND TECHNICAL EDUCATION**

Agriculture, Food, and Natural Resources Cluster

**Principles of Agriculture, Food and Natural Resources**

**Credit: 1** **Grade: 9-12**

**PEIMS #13000200** **Course #6200**

*Prerequisite: None*

Be a part of the world's most important industry! This is a basic class that will allow you to find your area of interest in animal, plant, food, or mechanical systems. Students will learn about global agriculture, career development, leadership, communications, personal finance, mechanized agriculture, and project programs. Other topics covered will include soils, plants, shop construction and animal science. This is where your FFA career begins!

**Equine Science**

**Credit: 0.5** **Grade: 10-12**

**PEIMS #13000500** **Course #6225**

*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.

**Small Animal Management**

**Credit: 0.5** **Grade: 10-12**

**PEIMS #13000400** **Course #6911**

*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. Examine health issues, selection, training, breeding, and social issues.

**Livestock Production**

**Credit: 1** **Grade: 10-12**

**PEIMS #13000300** **Course #6212**

*Prerequisite: None*

To be prepared for careers in the field of animal science, students need to attain academic skills, acquire knowledge

related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry

requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply,

and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include,

but are not limited to, beef cattle, dairy cattle, swine, etc.

**Advanced Animal Science**

**Credit: 1** **Grade: 11-12**

**PEIMS #13000700** **Course #6220**

*Prerequisite: Biology and Chemistry or IPC, Algebra and Geometry, and Small Animal Management, Equine Science, or Livestock Production*

Advanced Animal Science will prepare students for careers in the field of animal science. The course examines how man and animal interrelate. Students must have taken Horse Management, Small Animal Care, Livestock Production or Vet Tech prior to Advanced Animal Science. If taken as a fourth science, students may receive a science credit.

**Floral Design**

**Credit: 1** **Grade: 9-12**

**PEIMS #13001800** **Course #6251**

*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.

**Horticultural Science**

**Credit: 1** **Grade: 10-12**

**PEIMS #13002000** **Course #6301**

*Prerequisite: None*

Horticulture Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Learn about plants and how to grow, manage, and market them.

**Greenhouse Operation and Production**

**Credit: 1** **Grade: 10-12**

**PEIMS #13002050** **Course #6302**

*Prerequisite: None*

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

**Advanced Floral Design**

**Credit: 1** **Grade: 11-12**

**PEIMS #N1300270** **Course #6252**

*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.

**Agricultural Mechanics and Metal Technologies**

**Credit: 1** **Grade: 10-12**

**PEIMS #13002200** **Course #6221**

*Recommended Prerequisite: Principles of AFNR*

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. This course will prepare students for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. Students will have opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

**Agricultural Structures Design and Fabrication**

**Credit: 1** **Grade: 11-12**

**PEIMS #13002300** **Course #6271**

*Recommended Prerequisite: Agricultural Mechanics and Metal Techniques or Principals of AG*

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. In order to prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. Students will have opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

**Agricultural Equipment Design and Fabrication**

**Credit: 1** **Grade: 11-12**

**PEIMS #13002350** **Course #6272**

*Recommended Prerequisite: Agricultural Structures and Design*

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. In order to prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. Students will reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

Arts, A/V Technology, and Communication Cluster

**Principles of Arts, Audio Video Technology, and Communications**

**Credit: 1** **Grade: 9-12**

**PEIMS #13008200** **Course #5095**

*Prerequisite: None*

Students will work with technology applications, including image editing, basic animation, graphics, audio mixing, and video. The course will also lay a foundation for professional communication skills and an understanding of career opportunities.

**Digital Media**

**Credit: 1** **Grade: 10-12**

**PEIMS #13027800** **Course #5096**

*Prerequisite: None*

In this course, students will identify the basic principles of graphic design. Students will acquire an understanding of high-resolution images and be able to differentiate between a raster and a vector image. Additionally, students will explore appropriate uses of typography (font), additive and subtractive color. Finally, students will embark upon career exploration for the graphics industry.

**Audio/Video Production I**

**Credit: 1** **Grade: 10-12**

**PEIMS #13008500** **Course #5080**

*Prerequisite: None, Recommended Principles of Arts, Audio Video Tech, & Communication*

Designed to begin the preparation for a career in A/V technology and film production through in-class activities and long-term projects that students write, shoot, and edit. Students will develop an understanding of the industry, their technical skills, and creative instincts.

**Audio/Video Production II**

**Credit: 2** **Grade: 11-12**

**PEIMS #13008610** **Course #5081**

*Prerequisite: Audio/Video Production I*

This two-hour course is an extension of AVP1. Students will develop an advanced understanding of the industry with a focus on pre- production, production, and post-production techniques. Work includes ECTV, live broadcasts, and short filmmaking.

Aviation Regional Program Cluster

**Introduction to Aviation**

**Credit: 1** **Grade: 9-12**

**PEIMS #N1304672** **Course #3061**

*Prerequisite: None*

The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci’s ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today’s aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration. Students will also learn about the wide variety of exciting and rewarding careers available to them. The Introduction to Aerospace and Aviation course will inspire students to consider aviation and other aerospace careers while laying the foundation for continued study in grades 10-12.

**Introduction to Unmanned Aerial Vehicles**

**Credit: 1** **Grade: 10 -12**

**PEIMS #N1304670** **Course #3063**

*Prerequisite: Introduction to Aviation*

The Introduction to Unmanned Aerial Vehicle (UAV) Flight course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. Principles of UAV is designed to instruct students in UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry.

**Aviation Ground School**

**Credit: 1** **Grade: 11-12**

**PEIMS #N1304675** **Course #3062**

*Prerequisite: None*

This course is designed to extend student interests in all aspects of aviation while preparing students to take the formal ground requisite exam for the Federal Aviation Administration (FAA) FAA Airman Knowledge Test which is required to obtain a private pilot’s license. The rigor of the course challenges students with complex aeronautical, engineering, weather, management and judgement concepts. Rules, regulations, obligations, and commitments to discipline and focus are foundational throughout the course. The ability to grasp flight without actually flying a real aircraft extends well beyond the classroom as students learn navigation, weather science, attention to detail (mathematical fuel and load planning), health and mental well-being related to flight planning and piloting aircraft.

**Practicum in Transportation**

**Credit: 2** **Grade: 12**

**PEIMS #13040450** **Course #3064**

*Prerequisite: None*

Practicum in Transportation Systems 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 experience such as internships, mentorships, independent study, or laboratories.

Business, Marketing, and Finance Cluster

**Principles of Business, Marketing and Finance**

**Credit: 1** **Grade: 9-12**

**PEIMS #13011200** **Course #6614**

*Prerequisite: None*

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. We will focus on the roles of business in the lives of individuals, consumers, workers and citizens.

**Business Information Management I**

**Credit: 1** **Grade: 9-12**

**PEIMS #13011400** **Course #5001**

*Prerequisite: None*

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.

**Business Information Management I (Dual Credit)**

**Credit: 1** **Grade: 9-12**

**PEIMS #13011400** **Course #5005**

*Prerequisite: Dual Credit Enrollment Process*

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.

**Financial Mathematics**

**Credit: 1** **Grade: 10-12**

**PEIMS #13011800** **Course #6616**

*Prerequisite: Algebra I*

This is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Additionally, students will learn about financial planning, services for financial and investment planning, banking, insurance, and business financial management.

Education and Training Cluster

**Principles of Education and Training**

**Credit: 1** **Grade: 9-12**

**PEIMS #13014200** **Course #6701**

*Prerequisite: None*

This course 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 and Development (Dual Credit)**

**Credit: 1** **Grade: 10-12**

**PEIMS #13014300** **Course #8608**

*Prerequisite: None*

Human Growth and Development is an examination of human development across the lifespan with emphasis on 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.

Health Science Cluster

**Principles of Health Science**

**Credit: 1** **Grade: 9-12**

**PEIMS #13020200** **Course #6671**

*Prerequisite: None*

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

**Medical Terminology**

**Credit: 1** **Grade: 10-12**

**PEIMS #13020300** **Course #6640**

*Prerequisite: None*

A course designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Relating terms to body systems, students identify proper use of the word in a medical environment. Knowledge of medical terminology enhances the student’s ability to successfully secure employment or pursue advanced education in health care.

**Health Science Theory/Health Science Clinical**

**Credit: 2** **Grade: 11-12**

**PEIMS #13020410** **Course #6672**

*Prerequisite: Biology and Dual Credit Enrollment Process*

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. This course prepares the student for the transition to clinical or work-based experiences in healthcare.

Hospitality and Tourism Cluster

**Introduction to Culinary Arts**

**Credit: 1** **Grade: 9-12**

**PEIMS #13022550** **Course #6881**

*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.

**Culinary Arts 2**

**Credit: 2** **Grade: 10-12**

**PEIMS #13022600** **Course #6882**

*Prerequisite: Introduction to Culinary Arts*

Culinary Arts explores the art and science of cooking and baking, as well as the anthropology of the foodservice industry. Culinary Arts is offered as a laboratory-based course that focuses on traditional and modern culinary industry professionalism standards, management and production methods, techniques, and soft skills. This includes the opportunity to earn a nationally recognized safety and sanitation certificate through the National Restaurant Association and potentially other industry-appropriate certifications.

**Advanced Culinary Arts**

**Credit: 2** **Grade: 11-12**

**PEIMS #13022650** **Course #6883**

*Prerequisite: Culinary Arts 2s*

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. We will cover the restaurant industry, global cuisines, presentation methods, and baking and pastry arts. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular activities.

Law and Public Service Cluster

**Principles of Law, Public Safety, Corrections and Security**

**Credit: 1** **Grade: 9-12**

**PEIMS #13029200** **Course #6111**

*Prerequisite: None*

This course introduces students to professions in law enforcement, security, corrections and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections and private security.

**Law Enforcement I (Dual Credit)**

**Credit: 1** **Grade: 10-12**

**PEIMS #13029300** **Course #6761/6762**

*Prerequisite: CBC Dual Credit Enrollment Process*

This course is an overview of the history, organization, functions of local, state, and federal law enforcement. The course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

**Law Enforcement II (Dual Credit)**

**Credit: 1** **Grade: 11-12**

**PEIMS #13029400** **Course #6763/6764**

*Prerequisite: CBC Dual Credit Enrollment Process*

This course provides the knowledge and skills necessary to prepare for a career in law enforcement. It includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

**Correctional Services**

**Credit: 1** **Grade: 11-12**

**PEIMS #13029700** **Course #6768**

*Prerequisite: Principles of Law, Public Safety, Corrections and Security*

**Forensic Science**

**Credit: 1** **Grade: 11-12**

**PEIMS #13029500** **Course #6767**

*Prerequisite: Principles of Law, Public Safety, Corrections and Security; Biology & Chemistry or IPC*

Forensic science is a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminalist behavior. Students will learn basic terminology and investigative procedures related to crime scene, question building, interviewing, criminal behavior characteristics, truth detection methodology, and scientific procedures used to solve crimes. Students will have the opportunity to collect and analyze evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios and analyzing fingerprints, ballistics, and blood spatter. Students will learn about the history, legal aspects of forensic science, and career options available in the forensic field. This course will count as an additional science credit.