

# Friona High School

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2016-2017 COURSE BULLETIN

**Friona ISD is an equal opportunity/equal access district, and is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, or sexual orientation.**

## **English**

*Note: 4 credits of English are required for graduation at Friona High School*

### **0101 English 1**

**Unit Credit: 1**

**Grade Placement: 9**

English 1 will stress the writing process in a variety of types of discourse, culminating in multi-paragraph composition. Effective and correct language usage, vocabulary development, and word functions are studied. With an increased emphasis on the interpretation of literature, attention is given to literary topics, universal themes, and literary terminology.

### **0105 Pre-AP English 1**

**Unit Credit: 1**

**Grade Placement: 9**

**Prerequisite: Teacher recommendation, STAAR Scores, previous grades**

This course is designed to prepare students for the AP English Literature Exam. Students read a variety of literary genres – short stories, epic poetry, novels, and plays – and write literary analyses about their readings. Emphasis is also placed on expository and persuasive writing. Independent study and summer reading are strongly recommended.

### **0102 English 2**

**Unit Credit: 1**

**Grade Placement: 10**

English 2 reviews and extends the basic concepts of language study and continues work in applied spelling and vocabulary. Emphasis is placed upon the writing process to generate increasingly complex multi-paragraph compositions in response to literature. A sampling of literary types as they illustrate relevant themes gives students

the opportunity to develop more sophisticated reading skills.

### **0106 Pre-AP English 2**

**Unit Credit: 1**

**Grade Placement: 10**

**Prerequisite: Teacher recommendation, STAAR Scores, previous grades**

This course is designed to prepare students for the AP English Literature Exam. Students read a variety of literary genres – novels, plays, and short stories – and will be required to write literary analyses about their readings. Emphasis will be placed on persuasive writing, but other types will be required as well. Students will learn and use vocabulary pertaining to literature in preparation for the AP Exam. Independent study and summer reading are strongly recommended.

### **0103 English 3**

**Unit Credit: 1**

**Grade Placement: 11**

Literature study is focused on American writers in all genres- fiction, nonfiction, poetry, and drama. A chronological, thematic approach presents the American dream as well as the reality. Selections reveal a search for values important in realization of individual potential. Language study involves sentence structure, standard expression, and sociological function. Vocabulary study uses words in context and analogical relationships.

### **0106 AP English Literature**

**Unit Credit: 1**

**Grade Placement: 11**

**Prerequisite: Teacher recommendation, STAAR Scores, previous grades**

Course content centers on a variety of literature which demonstrates universal

concerns and themes. This course is designed to prepare students for the AP English Literature Exam. Independent study and summer reading are strongly recommended.

#### **0104 English 4**

**Unit Credit: 1**

**Grade Placement: 12**

Students in English 4 will read from literature which explores themes and characteristics found in different cultures with emphasis placed on British literature. Responses to literature will be both oral and written. Students will also plan, write, and edit compositions on a regular basis.

#### **0110 Dual Credit English 4**

**Unit Credit: 1**

**Grade Placement: 12**

**Prerequisite: TSI qualifying scores, successful application to South Plains College**

The selections students will read from focus primarily on novels, poetry and drama written in English from the sixteenth-twentieth centuries; however, some classical literature is included, along with works that are mature in theme and content. Emphasis is placed on developing a mature vocabulary and writing style. Students enrolled for dual credit will fulfill the requirements for English Composition 1301 first semester and English Composition 1302 second semester thereby earning 6 hours of college credit. Students must meet established college entrance standards to participate in the dual credit program.

### **Communications**

*Note: this is a requirement for graduation at Friona High School*

#### **0534 Professional Communications (CTE)**

**Unit Credit: .5**

**Grade Placement: 11 or 12**

Course affords a base of communication competencies and skills. Course content begins with understanding the communication process and continues through interpersonal communication. Course develops competencies and skills that will make students effective and responsible senders and receivers of messages on various levels of communication.

### **Foreign Language**

*Note: 2 credits of foreign language are required for graduation at Friona High School*

**See endorsement chart at the end of this bulletin for endorsement pathway**

#### **0117 Spanish 1**

**Unit Credit: 1**

**Grade Placement: 9-10-11-12**

The course is designed to give the student a foundation for the development of communication skills in Spanish. Students concentrate on developing skills in listening, speaking, reading, and writing, vocabulary, fundamentals in grammar, pronunciation, and an orientation to the Hispanic culture.

#### **0118 Spanish 2**

**Unit Credit: 1**

**Grade Placement: 9-10-11-12**

The emphasis in this course is on grammar structure, verb conjugation and vocabulary study. Sentence structure and oral conversation are used as a part of the grammar study.

**0119 Pre-AP Spanish 3****Unit Credit: 1****Grade Placement: 10-11-12****Prerequisite: Spanish 2, average of 80 or above in Spanish 1 and 2**

This program is designed to prepare students for the AP Spanish Language and Culture course. This course delves into complex grammatical structures and advanced conversation. This class will also introduce students to authentic non-fiction writings and articles—focusing on culture and vocabulary. Student will be expected to achieve an advanced level of reading and writing, comprehension, as well as speaking skills in Spanish.

**0120 AP Spanish Language and Culture****Unit Credit: 1****Grade Placement: 11-12****Prerequisite: Pre-AP Spanish 3**

The Advanced Placement program is designed to provide students with the opportunity to pursue college-level studies while in high school. Through authentic print, visual and audio/visual materials each student will fully experience Spanish language and culture. Students will hone their writing abilities and speaking skills to attain a collegiate level of proficiency. This class is also designed to prepare students to take the AP Spanish Language and Culture Exam.

**Mathematics**

*Note: 4 credits of math are required for graduation from Friona High School*

**See endorsement chart at the end of this bulletin for endorsement pathway for STEM Math**

**0203 Algebra 1****Unit Credit: 1****Grade Placement: 9-10**

Students learn mathematics vocabulary, concepts and skills that are essential to solving problems involving the basic operations signed number, equations and their graphs, polynomials, factoring, inequalities and their graphs, linear equations and their graphs, systems of equations, radical expressions and equations, quadratic equations, relations and functions.

**0206 Geometry****Unit Credit: 1****Grade Placement: 9-10-11****Prerequisite: Algebra 1**

This course covers these objectives: the language and logic of geometry, inductive reasoning, construction, parallelism, triangles, quadrilaterals, transformations, circles, area volume & coordinate geometry. Two-column proofs are used to develop high-level thinking skills.

**0205 Math Modeling****Unit Credit: 1****Grade Placement: 10-11****Prerequisite: Algebra 1**

**This class must be completed prior to Algebra 2.**

Students will use mathematical methods to model and solve real-life problems. This includes, but is not limited to: money, patterns, design, probability, and science. Students will use various tools and technology including, but not limited to graphing calculators, computers, and data collection devices. Students will also study personal finance including income, taxes, home and car financing, investments, and insurance.

**0204 Algebra 2****Unit Credit: 1****Grade Placement: 10-11-12****Prerequisite: Algebra 1, Geometry or Math Modeling**

Students learn mathematics vocabulary, concepts, and skills to problem solving; linear equations; functions and relations; polynomials; equations; quadratic equations; conic sections; exponential functions and logarithms; sequences and series.

**0220 Honors Algebra 2****Unit Credit: 1****Grade Placement: 10-11-12****Prerequisite: Algebra 1 (90 or above average)**

An in-depth study of Algebra 2. Students learn mathematics vocabulary, concepts, and skills to problem solving; linear equations; functions and relations; polynomials; equations; quadratic equations; conic sections; exponential functions and logarithms; sequences and series

**0197 Pre-Calculus****Unit Credit: 1****Grade Placement: 11-12****Prerequisite: Algebra 2**

Students will analyze functions including polynomial, rational, radical, exponential, logarithmic, trigonometric, and piecewise-defined functions. They will use technology to solve real life problems involving sequences and series, conic sections, parametric equations, and vectors. This course prepares students for College Algebra

**0208 Honors Pre-Calculus****Unit Credit: 1****Grade Placement: 11-12****Prerequisite: Algebra 2 (90 or above average)**

An in-depth study of Pre-Calculus. Students will analyze functions including polynomial, rational, radical, exponential, logarithmic, trigonometric, and piecewise-defined functions. They will use technology to solve real life problems involving sequences and series, conic sections, parametric equations, and vectors. This course prepares students for College Engineering Algebra and Trigonometry.

**0214 Dual Credit College Algebra****Unit Credit: .5****Grade Placement: 12****Prerequisite: Algebra 2, TSI qualifying scores, successful application to Amarillo College**

This online course will allow students to receive their College Algebra credit. This will be a standard college algebra course that includes, but is not limited to quadratic equations, inequalities, determinants and matrices, permutations and combinations, and ratio and proportions. It will also include complex numbers, binomial theorem, variation, and linear programming.

**Dual Credit Engineering Algebra****Unit Credit: .5****Grade Placement: 12****Prerequisite: Honors Pre-Calculus, TSI qualifying scores and successful application to Amarillo College**

In-depth study and applications 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.

### **0215 Dual Credit Trigonometry**

**Unit Credit: .5**

**Grade Placement: 12**

**Prerequisite: DC Eng. Alg., TSI qualifying scores, successful application to Amarillo College**

This online course will allow students to receive their college trigonometry credit. This will be a standard trigonometry class that includes, but is not limited to: radian measure, trigonometric functions, functions of composite angles, and logarithms. It will also include trigonometric identities and equations, oblique triangles, and inverse trigonometric functions.

### **Science**

*Note: 4 credits of science are required for graduation from Friona High School*

**See endorsement chart at the end of this bulletin for endorsement pathway for STEM Science**

### **0301 Integrated Physics and Chemistry**

**Unit Credit: 1**

**Grade Placement: 9-10**

This is a laboratory-oriented course surveying the principles of chemistry and physics and their relationship to the world in which we live. This course is offered every other year.

### **0311 Biology**

**Unit Credit: 1**

**Grade Placement: 9-10**

Course is laboratory-oriented and familiarizes the student with the concept of the unity of life, characteristics of the living condition, and the organization of life at the cellular level. It makes the student cognizant of the continuity of life, gradual changes in life forms, variety of living things today, the

behavior of organisms and their interrelationships with each other and their environment, and the applications of biological principles to daily life.

### **0312 Honors Biology**

**Unit Credit: 1**

**Grade Placement: 9**

Course is laboratory-oriented and familiarizes the student with the concept of the unity of life, characteristics of the living condition, and the organization of life at the cellular level. It makes the student cognizant of the continuity of life, gradual changes in life forms, variety of living things today, the behavior of organisms and their interrelationships with each other and their environment, and the applications of biological principles to daily life.

### **0325 Chemistry**

**Unit Credit: 1**

**Grade Placement: 10-11**

Course investigates structure and properties of matter, its properties, the change it undergoes, and application of these changes to everyday life.

### **0331 Physics**

**Unit Credit: 1**

**Grade Placement: 11-12**

Students will study thermodynamics, sound mechanics and electricity, light and modern physics. Manipulative laboratory skills, descriptive/mathematical problem-solving abilities, and measurements are emphasized.

### **0303 Environmental Science**

**Unit Credit: 1**

**Grade Placement: 12**

This science will deal with the environment and the factors that contribute to it and

change it. Ecosystems, energy flow, interrelationships, habitats and biomes will all be investigated and studied. Good scientific decision making and investigative practices will be expected.

### **0302 Honors Anatomy and Physiology (CTE)**

**Unit Credit: 1**

**Grade Placement: 12**

**Prerequisites: Must have passed all EOC tests and have an 80 average in Biology**

Anatomy and Physiology is a comprehensive study of the structure and function of the human body. This course is recommended for students interested in pursuing a career in the health professions.

## **Social Studies**

*Note: 4 credits of Social Studies are required for graduation from Friona High School*

**See endorsement chart at the end of this bulletin for the endorsement pathway.**

### **0403 World Geography**

**Unit Credit: 1**

**Grade Placement: 9**

This course introduces students to the physical and human world around them. Facts and information on physical, cultural, political, and economic geography as well as the opportunity to refine content through the exercise of map and globe skills in addition to reading and thinking skills will be provided to the student.

### **0402 World History**

**Unit Credit: 1**

**Grade Placement: 10**

This course gives the student and understanding of the changing world through a study of some of the significant world

cultures, past and present. The diversity and the commonality of human behavior are emphasized. A consideration of contemporary world affairs is an essential part of this course.

### **0400 U.S. History**

**Unit Credit: 1**

**Grade Placement: 11**

Course completes the required two-year study of U. S. History began in 8<sup>th</sup> grade. Content includes significant political, economic, social, and cultural developments from Reconstruction to the present. Diversity and cultural pluralism of American society, past and present, are examined and the role of the U.S, to world affairs is analyzed. Current events are a vital part of this course.

### **0401 Dual Credit U.S. History**

**Unit Credit: 1**

**Grade Placement: 11**

**Prerequisite: TSI qualifying scores, successful application to South Plains College**

This course develops knowledge and skills included in a full year introductory course in United States history from the first European explorations of the Americas to the present. This course covers political institutions and behaviors, public policy and economic change, diplomacy, and intellectual development. A study of historical documents and current events are essential to this course.

### **0412 U.S. Government**

**Unit Credit: .5**

**Grade Placement: 12**

Students explore the political and governing processes, elements of political theories, governmental structures and functions, and analyze major documents relating to the

political development of the United States. Emphasis is placed on concepts of political participation, leadership, decision-making, political institutions, nature of laws, and the rights and responsibilities of citizenship. Students study contemporary issues in this course.

**0413 Economics (Free Enterprise)**

**Unit Credit: .5**

**Grade Placement: 12**

Students will learn basic economic principles concerning production, consumption and distribution of goods and services. The roles of labor, business, government, and monetary and fiscal policies, economic growth, economic inter-dependence, business cycles, problem areas such as poverty, and inflation, personal economics, and comparative economic systems. A study of current events is an integral part of this course.

**0416 Dual Credit U. S. Government**

**Unit Credit: .5**

**Grade Placement: 12**

**Prerequisite: TSI qualifying scores, successful application to South Plains College**

This course provides students with an academically challenging study of U.S. Government. The major elements of the U.S. Government will be analyzed in detail, including political parties, voting, political institutions, and the role of U.S. citizens. Students will research political contemporary issues and present their findings. Students will analyze local political institutions and their operation.

**0417 Dual Credit Economics**

**Unit Credit: .5**

**Grade Placement: 12**

**Prerequisite: TSI qualifying scores, successful application to South Plains College**

Economics with Emphasis on the Free Enterprise System and its benefits is the culmination of the economic content and concepts studied from kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

## **Fine Arts**

*Note: 1 credit of fine arts is required for Graduation from Friona High School*

**See endorsement chart at the end of this bulletin for the endorsement pathway.**

### **0941/0942/0943/0944 Band**

**Unit Credit: 1 per year taken**

**Grade Placement: 9-10-11-12**

Band students receive advance training in the performance of instrumental music. The marching band performs at football games, several other functions in the fall, and at UIL Marching Contest. Attendance of rehearsals outside the school day is expected. The band performs concerts throughout the year and competes in all UIL sponsored activities in the spring. Special individual assistance is given to students on tryouts for honor groups, solo and ensemble contests, and other special related work. Two spring semesters satisfy the Fine Arts requirement in the Foundation High School Program. Two fall semesters satisfy the Physical Education requirement in the Foundation High School Program.

### **0152/0153/0154/0155 Theater Arts 1,2,3,4**

**Unit Credit: 1 per year taken**

**Grade Placement: 9-10-11-12**

Class time is spent on the basic principles of movement and rules of the stage. This course also offers basic instruction in stage design, construction, sound, costuming, properties, and use of stage equipment. The student will participate in performance and in stage productions. Second, third, and fourth year students should have a serious interest in Technical Theater. Course satisfies the Fine Arts requirement in the Foundation High School Program.

### **0921/0922/0923/0924 Choir 1,2,3,4**

**Unit Credit: 1 for each year taken**

**Grade Placement: 9-10-11-12**

To develop music reading skills, students will learn the Kodaly system of sight-singing, rhythmic reading, and be exposed to music from a variety of periods and genres. They will study different composers and will have the opportunity to audition in the TMEA All-State choir process, participate in UIL solo and ensemble competition, UIL concert and sight reading contest, and other festivals as appropriate. Students will perform for the community and give a minimum of two concerts per year. Students will learn the value of being a part of a cohesive group and work as a team. Course satisfies the Fine Arts requirement in the Foundation High School Program.

### **0925/0926/0927/0928 Varsity Choir**

**Unit Credit: 1 for each year taken**

**Grade Placement: 9-10-11-12**

**Prerequisite for 9-10: member of All District choir or receive a 1<sup>st</sup> division on a class 1 solo at UIL solo and ensemble**

Students further develop music reading skills, knowledge of basic music theory, rhythmic reading, and study music from a variety of periods and genres. They will study different composers and will have the opportunity to audition in the TMEA All-State choir process, participate in UIL solo and ensemble competition, UIL concert and sight reading contest, and other festivals as appropriate. Students will perform for the community and give a minimum of two concerts per year. Students will learn the value of being a part of a cohesive group and work as a team. Course satisfies the Fine Arts requirement in the Foundation High School Program.

**0929 AP Music Theory****Unit Credit: 1****Grade Placement: 11-12**

Students may fulfill fine arts and elective requirements for graduation by successfully completing College Board Advanced Placement (AP) Music Theory. Four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to read, write, create, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

**0170 Art 1****Unit Credit: 1****Grade Placement: 9-10-11-12**

This course is an introduction to the elements and principles of art and design. Activities may include basic drawing, portraiture, perspective, color and design, watercolor painting, ceramics, block printing, screen printing, art criticism, and art appreciation.

**0171 Art 2****Unit Credit: 1****Grade Placement: 10-11-12**

This course is a continuation of the elements and principles with more emphasis on each student presuming individual interests.

**0172 Art 3****Unit Credit: 1****Grade Placement: 11-12**

A student may pursue a particular medium or specified activity. The student will be responsible for selecting the content of the art activity and assist in creating a plan and culminating evaluation for each project.

**0173 Art 4****Unit Credit: 1****Grade Placement: 12**

Within the constraints imposed by state guidelines and art department facilities and equipment, students will be free to select the areas and media in which to work. The art student will be encouraged to evaluate critically his/her own growth and development. Students interested in majoring in art in college may wish to prepare individual portfolios for scholarship application.

**0618 Interior Design****Unit Credit: 1****Grade Placement: 9-10-11-12**

Interior Design is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.

### **0619 Fashion Design 1**

**Unit Credit: 1**

**Grade Placement: 9-10-11-12**

Careers in fashion span all aspects of the textile and apparel industries. Within this context, 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 fashion and the textile and apparel industries.

### **0623 Fashion Design 2**

**Unit Credit: 1**

**Grade Placement: 10-11-12**

**Prerequisite: Fashion Design 1**

Careers in fashion span all aspects of the textile and apparel industries. Within this context, 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 fashion, with emphasis on design and production.

## **Physical Education**

*Note: 1 credit of Physical Education is required for graduation from Friona High School*

### **0962/0963/0964/0965 Physical Education**

**Unit Credit: 1 per year taken**

**Grade Placement: 9-10-11-12**

In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health throughout the lifespan. All students

are required to have one credit of Physical Education as a part of the Foundation High School Program.

### **0981/0982/0983/0984 Girl's Athletics**

**Unit Credit: 1 per year taken**

**Grade Placement: 9-10-11-12**

**Prerequisite: Athletic Physical and demonstrated athletic ability and/or effort**

Students receive credit for participation on these athletic teams: volleyball, cross country, basketball, track, power lifting, golf, tennis. These sports are competitive in nature and approval of the coach(es) involved is necessary for enrollment. Continued participation in these sports requires successful performance and is determined by the head coach of each sport. A student will receive Physical Education credit upon completion of these sports and off season. Students receive credit only if enrolled in an athletics class during the school day. Course satisfies the Physical Education requirement for the Foundation High School Program.

### **0971/0972/0973/0974 Boy's Athletics**

**Unit Credit: 1 per year taken**

**Grade Placement: 9-10-11-12**

**Prerequisite: Athletic Physical and demonstrated athletic ability and/or effort**

Students receive credit for participation on these athletic teams: football, cross country, basketball, track, power lifting, baseball, golf, tennis. These sports are competitive in nature and approval of the coach(es) involved is necessary for enrollment. Continued participation in these sports requires successful performance and is determined by the head coach of each sport. A student will receive Physical Education credit upon completion of these sports and off season. Students receive credit only if enrolled in an athletics class during the school day. Course

satisfies the Physical Education requirement for the Foundation High School Program.

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## **Career and Technology Education**

### **Business Management and Administration**

See endorsement chart at the end of this bulletin for coherent sequence

#### **0508 Principles of Business Marketing and Finance**

**Unit Credit: 1**

**Grade Placement: 9-10-11**

Students will gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students will 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.

#### **0532 Business Information Management 1**

**Unit Credit: 1**

**Grade Placement: 10-11-12**

**Prerequisite:**

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.

#### **0503 Accounting 1**

**Unit Credit: 1**

**Grade Placement: 11-12**

**Prerequisite: B in Math coursework**

Students 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 reflect on this knowledge as they engage in the process of recording, classifying, summarize analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

#### **0504 Accounting 2**

**Unit Credit: 1**

**Grade Placement: 12**

**Prerequisite: Accounting 1**

Students 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 reflect on this knowledge as they engage in various managerial and cost accounting activities for use in management decision making.

## **Information Technology**

**See endorsement chart at the end of this bulletin for coherent sequence**

### **0531 Principles of Information Technology**

**Unit Credit: 1**

**Grade Placement: 9-10-11-12**

Students will develop computer literacy skills to adapt to emerging technologies used in the marketplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment using the most up to date programs available.

### **0513 Digital and Interactive Media**

**Unit Credit: 1**

**Grade Placement: 10-11-12**

**Prerequisite: Prin. IT**

Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communications, and critical thinking and apply them to the information technology environment using the most up to date programs available.

### **Web Technologies (Web Tech)**

**Unit Credit: 1**

**Grade Placement: 11-12**

**(will be offered 2017-2018)**

**Prerequisite: Digital and Interactive Media**

Through the study of web technologies and design, students will learn the concepts and technical skills to create web pages using hardware and software applications.

Students will employ knowledge of web programming to develop and maintain web applications. The interpersonal skills students develop in this course help to prepare them for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society.

### **0533 Dual Credit BCIS 1305**

**Unit Credit: .5**

**Grade Placement: 12**

**Prerequisite: TSI qualifying score, successful admission to South Plains College**

Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.

### **0526 Dual Credit Computer Programming**

**Unit Credit: .5**

**Grade Placement: 12**

**Prerequisite: TSI qualifying score, successful admission to South Plains College**

Problem-solving applying structured techniques and representation of algorithms using design tools. Includes testing, evaluation, and documentation.

### **Education and Training**

**See endorsement chart at the end of this bulletin for coherent sequence**

**0630 Principles of Education and Training****Unit Credit: 1****Grade Placement: 9-10-11-12**

If you are thinking about becoming an educator, working with children or not sure about what career to pursue, learn about careers available in the education and training career cluster with this class. Students will learn about themselves, different learning styles, and skills for being a better student. Students will develop projects to explore potential careers and ways to help others. Students will develop life and leaderships skills through Family, Career, and Community Leaders of America (FCCLA).

**0632 Child Guidance****Unit Credit: 1****Grade Placement: 10-11-12****Prerequisite: Principles of Education and Training**

Students will work with children in this laboratory class as they develop knowledge and skills related to child growth and development. They will learn about how children grow and develop from before birth through school-age. There will be an emphasis on promoting the happiness and healthy development of children and learning about careers related to their care and education. Students will be encouraged to develop leadership skills by participating in FCCLA.

**Dual Credit Child Growth and Development****Unit Credit: 1****Grade Placement: 11-12****Prerequisite: TSI qualifying score, successful admission to Amarillo College**

Fall Semester: A study of the physical, emotional, social, language and cognitive

factors impacting growth and development of children through adolescence. Spring Semester An exploration of common behavior problems of young children in child care settings. Emphasis on positive guidance techniques for effective behavior management. Practical application through direct participation in an early childhood setting.

**0634 Practicum in Education and Training****1****Unit Credit: 2****Grade Placement: 11-12****Prerequisite: Coherent sequence in career cluster**

This is a practicum experience that provides students with background knowledge of child development as well as principles of effective teaching and training practices. Students will work under the direction and supervision of the high school teacher and an educator or trainer in a classroom or business setting. Students will learn to plan activities, prepare instructional materials, assist with record-keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educators. Each student will prepare applications, resumes, apply for scholarships and other materials to develop a “next step” plan to implement after high school graduation. Students will be encouraged to develop leadership skills by participating in FCCLA.

**0649 Practicum in Education and Training****2****Unit Credit: 2****Grade Placement: 12****Prerequisite: Coherent sequence in career cluster**

This is a continuation of the practicum experience that provides students with background knowledge of child development

as well as principles of effective teaching and training practices. Students will work under the direction and supervision of the high school teacher and an educator or trainer in a classroom or business setting. Students will learn to plan activities, prepare instructional materials, assist with record-keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educators. Each student will prepare applications, resumes, apply for scholarships and other materials to develop a “next step” plan to implement after high school graduation. Students will be encouraged to develop leadership skills by participating in FCCLA.

## **Agriculture, Food and Natural Resources**

**See endorsement chart at the end of this bulletin for coherent sequence**

### **0704 Principles of Agriculture, Food, and Natural Resources**

**Unit Credit: 1**

**Grade Placement: 9-10-11-12**

A comprehensive foundation course designed to introduce young adults to global agriculture that includes personal finance, communications, leadership and agricultural career development.

### **0707 Wildlife, Fisheries, and Ecology Management**

**Unit Credit: .5**

**Grade Placement: 10-11-12**

**Prerequisite: Prin. AFNR**

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, 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. This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. Students may earn gun safety certification, and obtain a hunting license.

### **0700 Livestock Production**

**Unit Credit: .5**

**Grade Placement: 10-11-12**

**Prerequisite: Prin. AFNR**

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 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, sheep, goats, and poultry.

### **0705 Agricultural Mechanics and Metal Technologies**

**Unit Credit: 1**

**Grade Placement: 10-11-12**

**Prerequisite: Prin. AFNR**

To be prepared for careers in agricultural power, structural, and technical systems, students need to 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. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course 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.

### **0708 Agricultural Power Systems**

**Unit Credit: 1**

**Grade Placement: 9-10-11-12**

**Prerequisite: Prin. AFNR**

To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

### **0706 Agricultural Facilities Design and Fabrication**

**Unit Credit: 1**

**Grade Placement: 10-11-12**

**Prerequisite: Prin. AFNR**

To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To

prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

*Note: Additional agricultural pathways may be included in the 2017-2018 Curriculum Bulletin*

## **Other Electives**

### **1309/1310 Yearbook 1,2**

**Unit Credit: 1 (local)**

**Grade Placement: 11-12**

Students will work on their journalistic skills, plan, and prepare the school yearbook. Students will sell advertising and subscriptions, take digital photographs, edit and upload those photographs into the yearbook design website. Students will learn individual and staff responsibilities, understand journalistic ethics and standards; understand all aspects of a publication; demonstrate leaderships and teamwork abilities. Students must be able to work outside of class and beyond regular school hours.

### **0144 College Readiness A/B**

**Unit Credit: 1 (local)**

**Grade Placement: 11-12**

The fall college readiness course is designed to prepare students to take Dual Credit College Algebra in the spring. Students will develop skills necessary to attain the necessary score on the TSI Math test. This test is a prerequisite for the Dual Credit College Algebra course in the spring. Students will apply to Amarillo College during this semester as well. Students will explore the college application process and financial aid application process.

The spring college readiness course is designed to assist student in their post-

secondary planning. Students will prepare for the ACT/SAT and apply to take those assessments. Students will explore the college application process and financial aid application process. Students will explore potential career opportunities and the post-secondary training needed to successfully compete in their career choices.

### **0502 Career Preparation 1**

**Unit Credit: 1**

**Grade Placement: 10-11-12**

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

### **0422 Personal Financial Literacy**

**Unit Credit: .5**

**Grade Placement: 11-12**

Personal Financial Literacy 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

college and postsecondary education and training.

## **Dual Credit**

Students who meet the specific eligibility requirements listed below may enroll in Amarillo College or South Plains College courses and earn credit toward high school graduation and college credit concurrently.

1. The student must be a sophomore, junior, or senior
2. The student must have a high school grade average of 80.
3. The student must meet established college entrance requirements, which include passing the TSI test or its equivalent.
4. The student must successfully apply for admission to either Amarillo College or South Plains College
5. The student is responsible for providing grade reports in a timely manner showing progress at the end of each six weeks and a final grade at the end of each semester.
6. The student must be enrolled as a full-time student at FHS.
7. The student may not take more than 9 hours of dual credit during any one semester beginning with spring semester of 2017. The courses taken must be a part of a University Core Academic requirement.
8. If a student fails to successfully complete a course with a passing grade, that student is financially responsible for the cost of tuition and the cost of the textbook.

## Weighted Courses and GPA

Please consult the Friona High School Student Handbook for information concerning weighted courses and GPA.

### LEGAL NOTICE

#### Statement of non-discrimination for Career Technology classes

1. Friona I.S.D. offers career and technology education programs in Family and Consumer Sciences; Business, Marketing, and Finance; Digital and Interactive Media; Agricultural Science; and Multi-Occupational Cooperative Training programs. Admission to these programs is based on course requests, grade classification, job ability, and class size. Work programs require filling out an application.
2. It is the policy of Friona I.S.D. not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.
3. It is the policy of Friona I.S.D. not to discriminate on the basis of race, color, national origin, sex, or handicap in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.
4. Friona I.S.D. will take steps to assure that lack of English language skills will not be a barrier to admission and

participation in all educational and vocational programs.

5. For information about your rights or grievance procedures, contact the Title IX Coordinator, Dr. Pamela Ray, at 909 East 11<sup>th</sup> Street, Friona, Texas 79035. The phone number is (806) 250-2747.

### LEGAL NOTICE/EN ESPANOL

#### Statement of non-discrimination for Career Technology classes

1. Friona I.S.D. ofrece programas de educación profesional y tecnológica en las siguientes clases: Familia y Ciencias del Consumidor; Negocios, Mercado Tecnia y Finanzas; Medios Interactivos y Digitales; Ciencias Agrícolas; y los programas de formación Cooperativa Multi-ocupacionales. La admisión a estos programas se basa en las solicitudes de los cursos, la clasificación de grado, la capacidad de trabajo, y tamaño de las clases. Los programas de trabajo requieren llenar una solicitud.
2. Es la política de Friona I.S.D. no discriminar por motivos de raza, color, origen nacional, sexo o discapacidad en sus programas vocacionales, servicios o actividades como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Título IX de las Enmiendas de Educación de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmendada.
3. Es la política de Friona I.S.D. no discriminar por motivos de raza, color, origen nacional, sexo o discapacidad en sus prácticas de empleo, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Título IX de las Enmiendas de Educación de 1972; la Ley de Discriminación por Edad de 1975, según enmendada; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmendada.

4. Friona I.S.D. tomará medidas para asegurar que la falta de conocimientos del idioma inglés no sea una barrera para la admisión y participación en todos los programas educativos y vocacionales.
5. Para información sobre sus derechos o procedimientos para quejas, comuníquese con el Coordinador del Título IX, Dr. Pamela Ray, en 909 East 11th Street, Friona, Texas 79035. El número de teléfono es (806) 250-2747.

## Endorsement/Cluster/Course Identification Chart-- 2016-17

<b>STEM</b>			
STEM Career Cluster	Computer Science Courses	Mathematics Courses	Science Courses
		<b>Algebra I</b> <b>Geometry</b> <b>Algebra II</b> <b>Pre-Calculus</b> <b>College Alg/College Trig</b>	<b>Biology</b> <b>Chemistry</b> <b>Physics</b> <b>Anatomy &amp; Physiology</b> <b>AP Science Course</b>

<b>Business and Industry</b>					
AFNR Career Cluster	Arch. & Construction Career Cluster	Arts, A/V, Tech. and Comm. Career Cluster	Business Mgmt & Admin. Career Cluster	Finance Career Cluster	Hospitality & Tourism Career Cluster
Princ of AFNR Ag Mechanics Ag Power System Ag Facilities/Des DC Ag Courses			Princ BMF BIM I Accounting I Accounting II DC Accounting		
Information Technology Career Cluster	Manufacturing Career Cluster	Marketing Career Cluster	Transp., Distr. & Logistics Career Cluster	English Elective Courses (as specified)	Technology Applications Courses
Princ of IT Dig & Int Media Web Technology DC BCIS DC Comp Prog					

Public Services					
Education & Training Career Cluster	Govt. & Public Administration Career Cluster	Human Services Career Cluster	Law, Public Safety, Correc. & Security Career Cluster	Health Science Career Cluster	JROTC
Princ Ed & Training Child Guidance Child Development Practicum Ed & Training					

Multidisciplinary				
Advanced courses from each or one endorsement area	Foundation subject area courses (as specified)	AP, IB, or dual credit courses (English, math, science, social studies, economics, LOTE, fine arts)		
4 X 4 including Eng IV, Chemistry, And/or Physics		DC US History I, II DC English IV DC Alg/Trig DC Government		

Arts and Humanities				
Social Studies Courses	Languages Other Than English	American Sign Language	Fine Arts (Art, Dance, Music, Theatre) Courses	English Elective courses (as specified)
World Geography World History US History Gov/Economics DC Psychology/DC Soc	Spanish I Spanish II Spanish III AP Spanish IV		All 4 years of Band, Choir, Art, or Theater Arts	