

# THS Course Descriptions

## 2010-2011

Courses will only be offered if there is sufficient number of requests, staff, and available facilities.

### ENGLISH

#### **English 1: 9** **1 Credit**

English 1 is designed to meet the needs of freshmen who do not desire to pursue the Advanced Placement course of study but may be planning on college or other higher learning pursuits as well as for students who plan to go to work immediately after high school. Emphasis is placed on composition, literature, vocabulary building, and basic research skill. Upon completion of this course, a student may decide to pursue Advanced Placement preparation and take English 2 Pre-AP or continue with the Standard English course offered in English 2.

#### **English 1 Pre-AP: 9** **1 Credit**

This class and English 2 Pre-A are designed to bridge the transition from regular English to the AP program at the eleventh and twelfth grade levels. The curriculum is developed to provide a continuum of skill building from one grade level to the next. Pre-AP classes should enable student to become thoroughly familiar with the vocabulary, literature, and composition addressed at the 11<sup>th</sup> grade AP class and the 12<sup>th</sup> grade AP class.

#### **English 2: 10** **1 Credit**

*Successful completion of English 1 is recommended.*  
English 2 builds the foundation students will need in and out of the school setting by developing students' use and knowledge of grammar, literature, and literary concepts, and written/verbal communication skills. Students will cover the short story, poetry, the novel, and drama. Special emphasis will be placed on the research process as preparation for English 3.

#### **English 2 Pre-AP: 10** **1 Credit**

*Successful completion of English 1 or English 1 Pre-AP is recommended along with approval of current English instructor.*  
English 2 further prepares the student who plans to attempt AP English 3 and 4. Special emphasis will include intense reading and analysis of many literary works from the AP reading list. Writing assignments will be more intense and some will be timed. Vocabulary for the SAT and college-bound will be stressed.

#### **English 3: 11** **1 Credit**

*Successful completion of English 2 or English 2 Pre-AP is recommended.*  
Students will embark upon a study of American literature beginning with Colonial literature and ending with contemporary works. All genres will be examined, and most compositions will revolve around the literature studied. A research paper is required. Special emphasis will be put on vocabulary to prepare students for college and college related tests.

#### **English 3 AP: 11** **1 Credit**

*Successful completion of English 2 or English 2 Pre-AP is recommended along with approval of current English instructor.*  
This class places special emphasis on in-depth reading and stylistic analysis of works found on college and AP reading lists, including many non-fiction works. Students learn to examine writing techniques, periods, and criticisms. Independent study and class discussions then lead to compositions, some of which are timed to prepare students for college exams and/or the end of the year AP test. In order to communicate effectively, special emphasis is also placed on vocabulary. Students may take the AP test at the end of the year.

#### **English 4: 12** **1 Credit**

*Successful completion of English 3 or English 3 AP is recommended.*  
English 4 follows the progression of British literature from *Beowulf* through the twentieth century. A writing component focuses on both literary topics and personal experiences. Vocabulary study, standardized test drills and persuasive writing prepare students for

SAT, ACT and THEA. Two major projects are the senior scrapbook and the research paper. To complete English 4 successfully, students must participate in all activities and assignments and demonstrate mastery of units of study through a variety of formal evaluations, whether they are tests, essays, oral presentations, visuals, etc.

#### **English 4 AP: 12** **1 Credit**

*Successful completion of English 3 or English 3 AP is recommended along with approval of current English instructor.*

This course prepares students for the AP Examination in Literature and Composition. For that reason, special emphasis is placed on in-depth reading and stylistic analysis of works found on college-bound and AP reading lists. Students learn to examine writing periods, techniques and literary criticism. Compositions evolve through independent studies as well as class discussions; many of these writings are timed in preparation for college exams or the AP test. This course differs from English 3 AP in that poetry, fiction and drama are stressed over nonfiction. Students successful in this course must commit to following a heavy reading load, careful crafting of essays, studying old AP test material, and discovering new approaches to literary analysis.

#### **English 1 for SOL 1: 9** **1 Credit**

*Instructor recommendation/parent approval (LPAC)*  
This course earns one English credit, and is intended for the recent arrival (first two years) to the U. S. who speaks a language other than English. The class follows the TEKS; however, it is geared toward reaching a goal of bilingualism. Thus, many activities are diagnostic toward the composition of the class. The main emphasis is on developing the four skills (reading, writing, speaking, and listening) in English.

#### **English 2 for SOL: 10** **1 Credit**

*Instructor recommendation/parent approval (LPAC)*  
This course is intended to follow ESL 1; it is for speakers of other languages who are learning English. These students will still have trouble with fluency in speaking and writing. They typically have trouble comprehending English; however, they have achieved some survival skills in English from the previous year. The main emphasis is still the "how to" of speaking, reading, writing, listening in English.

#### **English 3 for ESL: 11** **1 Credit**

*Instructor recommendation/parent approval (LPAC)*  
This class is designed to follow ESOL 2. This course is intended for bilingual students who need to strengthen their English skills. This class follows the TEKS; however, it is geared toward the bilingual student. The emphasis is still on developing the four proficiencies in English, in developing more academic language, and in fine-tuning their existing grammar.

#### **English 4 for ESL: 12** **1 Credit**

*Instructor recommendation/parent approval (LPAC)*  
This class is designed to follow ESL 3. It is intended for bilingual students who are advanced in their English skills. It follows the regular TEKS; however it is geared toward the bilingual student who is near native in fluency and academic ability. The main emphasis is on refining the proficiency the student has attained in English. Reading on level is emphasized, as is writing.

#### **Reading 1: 9-12** **1/2-1 Credit**

This course is designed to improve students' performance in reading and interpreting a wide variety of printed media including prose, poetry, charts and maps, and more. Students taking this class will improve their vocabulary skills, reading speed, understanding of text organization, and ability to draw supportable conclusions about text.

#### **Reading 2: 9-12** **1/2-1 Credit**

This course is designed to supplement students' course work by developing vocabulary, increasing reading speed, and supporting critical reading of texts in all subjects. Students will also read to understand perspectives on current events, employment requirements, and college applications.

#### **Reading 3: 9-12** **1/2 -1 Credit**

This course is intended for students with an interest in contemporary literature and reading for pleasure. Students will examine both prose and poetry through several critical lenses, including culture, gender, religion, and social commentary. Students will respond to literature both analytically and creatively throughout the course.

## MATH

### **Algebra 1: 9**

**Prerequisites: None** **1 Credit**

Algebra I is the first course in the high school mathematics sequence, and it is the foundation for higher-level mathematics courses. Linear and quadratic functions and their graphs will be studied. Students will use graphing calculators to solve problems. Upon successful completion of Algebra I, students will be recommended to enroll in Geometry.

### **Applied Math 1: 9**

**Prerequisites: ARD committee recommendation** **1 Credit**

This course will focus primarily on pre-algebra concepts with an emphasis on the basic math skills needed for progression into Algebra I and other secondary math courses. Satisfactory achievement will be based on goals indicated in the student's IEP.

### **Applied Math 2 : 10**

**Prerequisites: ARD committee recommendation** **1 Credit**

This course will provide instruction in the concepts and operations of mathematics relating to the functions of arithmetic, algebra, and geometry, concentrating on using these skills in everyday applications. Satisfactory achievement will be based on goals indicated in the student's IEP.

### **Applied Math 3: 11**

**Prerequisites: ARD committee recommendation** **1 Credit**

This course is designed to provide students with practical mathematics skills necessary to function after graduation. The content will focus on the mastery of usable skills in arithmetic, algebra, geometry and logical reasoning concentrating on realistic computations and word problems. Satisfactory achievement will be based on goals indicated in the student's IEP.

### **Applied Math 4: 12**

**Prerequisites: ARD committee commendation** **1 Credit**

This course focuses on building basic math skills for those students who require additional understanding of the operations and functions of arithmetic. Students will begin working at individual proficiency levels as indicated by an IEP concentrating on essential mathematical computation and reasoning skills.

### **Geometry: 9-11**

**Prerequisite: Successful completion of Algebra I** **1 Credit**

Geometry is the second course in the high school mathematics sequence. Students will learn and use geometric concepts involving triangles, polygons, circles, lines, angles, area, volume, congruence, similarity, and transformations. Upon successful completion of Geometry, students will be recommended for Math Models with Applications or Algebra II.

### **Pre-AP Geometry: 9-11**

**Prerequisites: 90 or above in Algebra I, teacher recommendation, completed contract, an above standard TAKS score, and successful completion of a summer assignment** **1 Credit**

Students will learn and use geometric concepts involving triangles, polygons, circles, lines, angles, area, volume, congruence, similarity and transformations. Work in proofs, research of geometric concepts, discovery learning, mastery of Geometer's sketchpad, and two to four projects will be required. Upon completion of Pre-AP Geometry, students will be recommended to enroll in Algebra II or Pre-AP Algebra II.

### **Algebra II: 10-12**

**Prerequisite: Successful completion of Algebra I and Geometry** **1 Credit**

Successful completion of Algebra II is necessary for both the Recommended and Distinguished high school graduation plans. Algebra II includes an expansion of the concepts learned in Algebra I and Geometry. The study of functions, equations, and their relationships are central to all of mathematics. Students perceive functions and equations as means for analyzing and understanding a broad variety of relationships and as a useful tool for expressing generalizations. Equations and functions are algebraic tools that can be used to represent geometric curves and figures; similarly, geometric figures can illustrate algebraic relationships. Upon successful completion of Algebra II, students will be recommended to enroll in Pre Cal or AP Statistics.

### **Pre-AP Algebra II: 10-12**

**Prerequisites: Algebra I, PreAP Geometry, teacher recommendation, completed contract, and above standard TAKS score, and successful completion of a summer assignment.** **1 Credit**

PreAP Algebra II includes an expansion of the concepts learned in Algebra I and Geometry. PreAP Algebra II has an accelerated curriculum that requires more in-depth algebraic learning and reasoning, a solid foundation in logarithms and conic sections, and a more stringent look at the relationship between Algebra and Geometry. Upon successful completion of PreAP Algebra II, students will be recommended to enroll in Pre Calculus, PreAP PreCalculus, or AP Statistics.

### **Pre-Calculus: 11-12**

**Prerequisites: Algebra I, Geometry, Algebra II, and an above standard TAKS score** **1 Credit**

The study of Precalculus is designed to prepare the student for modern courses in Calculus. Topics covered include functions and their graphs, with special emphasis on polynomial, rational, exponential, logarithmic, circular, and trigonometric functions, as well as applications of vector theory, complex numbers, sequences, series, and second degree relations. Trigonometry is a part of this course. Upon successful completion of PreCal, the student will be recommended to enroll in Calculus AB or AP Statistics

### **Pre-AP Precalculus: 11-12**

**Prerequisites: Algebra I, PreAP Geometry, PreAP Algebra II, teacher recommendation, completed contract, an average of 85 or better in PreAP Algebra II, an above standard TAKS score, and successful completion of a summer assignment.** **1 Credit**

This fast-paced and comprehensive course is designed to prepare students for college-level, Advanced Placement Calculus. Topics covered include functions and their graphs, application of vector theory, sequences, series, trigonometry, polar coordinates, conics, limits, and an introduction to calculus with special emphasis on theoretical proofs and formula derivations. Trigonometry is a part of this course. Upon successful completion of PreCal, the student will be recommended to enroll in Calculus AB or AP Statistics.

### **Mathematical Models With Applications: 11-12**

**Prerequisites: Algebra I and Geometry; This course must be taken before Algebra 2 and cannot be taken concurrently with Algebra 2.** **1 Credit**

Mathematical Models with Applications is the bridge between Geometry and Algebra II. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. A variety of representations, tools, and technology will be used to link modeling techniques and purely mathematical concepts and to solve applied problems. Upon successful completion of Math Models with Applications, students will be recommended to enroll in Algebra II.

*Pre-AP Classes in Geometry, Algebra II and Pre-Calculus are available for highly motivated students who have exhibited an interest and aptitude in mathematics and who intend to take Advanced Placement Calculus or Statistics.*

### **AP Statistics: 11-12**

**Prerequisite: Algebra I, Geometry, Algebra II, teacher recommendation, an above standard TAKS score, successful completion of a summer assignment, and completed contract.** **1 Credit**

An introductory course to serve students preparing for any field who want to analyze statistical data or apply statistical inference. Students will study elementary probability, estimation, descriptive statistics, measures of central tendency, and hypothesis testing. This is an advanced placement course taught on the college level. The student should expect to spend more time for daily preparation. Students can obtain college credit through satisfactory completion of the Advanced Placement Statistics exam.

### **AP Calculus AB: 12**

**Prerequisite: PreAP Precalculus with an 85 or better average, a passing score on the PreCalculus placement exam (administered on a flex day during the month of May), an above standard TAKS score, successful completion of a summer assignment, and teacher recommendation.** **1 Credit**

Calculus is an advanced placement course taught on college level that demands a strong Algebra background and requires more preparation time than a normal class. Topics include limits, derivatives, and integrals, as well as real world application of content. Students can obtain college credit through satisfactory completion of the Advanced Placement Calculus AB exam.

**AP Calculus BC: 12** **1 Credit**  
**Prerequisite: AP Calculus AB, a minimum of a 3 on the AP Calculus AB exam, and teacher recommendation**

Calculus is an advanced placement course taught on college level that demands a strong Algebra background and requires more preparation time than a normal class. Topics include differentiation and integration of parametric, vector, and polar functions, techniques of integration, logistic differential equations, slope fields, Euler's method and polynomial approximations and series. Students can obtain college credit through satisfactory completion of the Advanced Placement Calculus BC exam.

**AP Computer Science: 11-12** **1 Credit**  
**Prerequisites: Algebra I, Geometry, Algebra II, teacher recommendation, an above standard TAKS score, successful completion of a summer assignment, and completed contract.**

This course will teach the fundamentals of programming using the Java language. It is meant to be the equivalent of a first-semester college level course in Computer Science. The student should expect to spend more time for daily preparation. Students can obtain college credit through satisfactory completion of the Advanced Placement Computer Science A exam.

## SCIENCE

**Biology: 9-10** **1 Credit**  
Nowhere has the explosion of knowledge or the impact of modern technology on human lives been more apparent than in the field of biology. This course offers an abundance of knowledge about 'What is Life.'

**Pre-AP Biology: 9-10** **1 Credit**  
*Prerequisite: Should have completed Algebra I.*

Students taking Pre-AP biology should be aware that this course will involve higher-order thinking skills. This course is designed for those students who intend to take Pre-AP Chemistry and AP Biology. This course emphasizes not only the basic concepts of biology but also those concepts necessary for AP Biology. Students will be taught using AP strategies and assessed using AP type questions.

**AP Biology: 11-12** **1 Credit**  
*Prerequisite: Credit in Biology and Chemistry.*

This course is college-level, laboratory-oriented, and designed to prepare students for the AP Biology exam. Students will gain the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Emphasis will be on molecules and cells (25%), heredity and evolution (25%), and organisms and populations (50%).

**Integrated Physics & Chemistry (IPC): 10-12** **1 Credit**  
*May not take IPC after receiving credit for Chemistry or Physics.*

This class integrates the concepts of physics and chemistry using practical applications relating to the following topics: properties of matter, changes in matter, solution chemistry, waves, motion, and energy transformation. This class is algebra based. A student may not use IPC as one of the four science credits under the DAP. IPC cannot be taken as the fourth or final year of science.

**Chemistry: 10-12** **1 Credit**  
*To be successful in this class, the student needs to have passed Algebra 1 with at least an 80 average. The student should be prepared to use algebra every day.*

Chemistry is a math-based course, in the study of the interactions of elements and compounds, the properties of gases, liquids and solids.

**Pre-AP Chemistry: 10-12** **1 Credit**  
*Students taking pre-AP chemistry should have credit for Algebra 2 or be enrolled in Algebra 2.*

This is a course designed for those students who intend to take AP Chemistry or any AP science course. This course will emphasize not

only the basic concepts of chemistry but also those concepts necessary to be successful in AP Chemistry. Students will be taught using AP strategies and assessed using AP-type questions.

**AP Chemistry: 12** **1 Credit**  
*Prerequisite: Credit in Pre-AP Chemistry or Chemistry with teacher approval*

This course is a laboratory-oriented, college freshman-level chemistry course of theoretical chemistry concepts. Laboratory experiments emphasize student analysis of laboratory data and documented reports. **Note:** College credit and/or advanced standing can be achieved by demonstrating competencies on the College Board AP Examination for Chemistry.

**Physics: 11-12** **1 Credit**  
This course will cover conceptual physics with less math than is required in pre-AP Physics or AP Physics. The student needs to have credit for Algebra 2 or be currently enrolled in Algebra 2. If a student drops Algebra 2 at the end of the 1<sup>st</sup> semester, he must also drop Physics.

**Pre-AP Physics: 11-12** **1 Credit**  
*Prerequisite: Credit in/or concurrent enrollment in Pre-Calculus.*

This course includes the study of mechanics, thermodynamics, electricity and magnetism, light, sound, waves, and modern physics. The course emphasis is problem solving and application of principles. A strong math background is recommended. If a student drops Pre-Calculus, he/she will be placed in regular physics.

**AP Physics B: 12** **1 Credit**  
**Prerequisite: Credit in or concurrent enrollment in PreCalculus, Credit in Physics or PreAP Physics with teacher approval**

This is a college trigonometry-based physics course that includes the study of mechanics, thermodynamics, electricity and magnetism, light, sound, waves, and modern physics. Emphasis is on critical thinking and problem-solving techniques. Note: College credit and/or advanced standing can be achieved by demonstrating competencies on the College Board AP Examination for Physics "B".

**Anatomy & Physiology: 11-12** **1 Credit**  
*Prerequisite: Credit in Biology and Chemistry*

In this course, the students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Dissection is required.

**Principles of Technology: 11-12** **1 Credit**  
*Prerequisite: Algebra I*

This course takes a hands-on approach to teaching physics and mathematics. Principles of Technology cannot be taken for the fourth science credit after physics has been taken. Principles of Technology may not be taken to fulfill the fourth science under the DAP.

**Environmental Systems: 11-12** **1 Credit**  
*Prerequisite: Two credits in high school science*

This course is a laboratory and issue-oriented course that prepares students to be environmentally aware and active. Outdoor fieldwork is mandatory and integrated with community awareness. Career opportunities are integrated into the instruction. Students apply knowledge learned in biology, chemistry and basic physics to world processes.

**Aquatic Science: 11-12** **1 Credit**  
*Prerequisite: Two years of high school science completed.*

This course is a laboratory-oriented study of freshwater and marine environments. Studies include the geological, biological, physical and chemical properties of aquatic systems. Field studies may be required. This class qualifies as a fourth year science.

**AP Environmental Science: 11-12** **1 Credit**  
*Prerequisite: Two years of high school science completed.*

This course is a college level laboratory and issue-oriented course that prepares students to be environmentally aware and active. Concepts

include: interdependence of Earth's systems and human interactions and effects on the environment. Outdoor fieldwork is mandatory and integrated with community awareness. This course is designed to prepare students for the AP Environmental Science College Board test. This class qualifies as a fourth year science.

## **HISTORY/SOCIAL STUDIES**

### **World Geography: 9** **1 Credit**

World Geography is the study of almost all areas of geography, but its special emphasis is on the inter-relation of physical, cultural, and economic geography. Students will be given the opportunity to examine important global issues. Students will get hands-on experience with basic skills such as reading maps and globes, interpreting graphs, charts and photographs, doing reference and research projects, group work, critical thinking and using problem solving skills.

### **Pre-AP World Geography: 9** **1 Credit**

Students will be expected to demonstrate their proficiency in a range of learning behaviors, including: recalling relevant content from geographic subject matter; understanding the rich and diverse characteristics of people, places and environments; interpreting maps, globes, and other geographic tools and technologies, such as charts, graphs, aerial photographs, and satellite produced images. The Pre-AP World Geography class is designed to prepare the student for the rigors of AP English Language and Composition as well as AP English Literature.

### **World History: 10** **1 Credit**

World History is a study of the continuity and the change in human experience, exploring great traditions that have developed around the world. The course prepares students to apply historical perspectives to issues and problems in their own world as they seek to solve them.

### **World History Pre-AP: 10** **1 Credit**

World History Pre-AP is a study of the continuity and the change in human experience, exploring great traditions that have developed around the world. The course prepares students to apply historical perspectives to issues and problems in their own world as they seek to solve them. Students in World History Pre-AP are required to read and evaluate literary and journal articles, to utilize multiple resources in preparation of research projects, to analyze the cause/effect and relationship of events in various time periods, and to compare and contrast historical and modern events.

### **United States History: 11** **1 Credit**

United States History traces the emergence and growth of the United States. The course is organized chronologically beginning with the post-Civil War or Reconstruction period. The West and the Industrial Era are the main emphasis of the late 19<sup>th</sup> Century. The course studies 20<sup>th</sup> Century reform movements including the Progressives, the women's movement, and the civil rights movement. The course traces foreign affairs during the 20<sup>th</sup> Century including the Spanish American War, World War I, World War II, the Korean War, the Vietnam War, and various conflicts involving the Middle East. Through these studies, students will recognize how people and events of history have shaped the present and will continue to affect the future.

### **United States History AP: 11-12** **1 Credit**

Advanced Placement United States History is an academic elective that offers college level study of United States History from exploration to the present. This course utilizes a college level text. Critical analysis of issues, critical book reviews, and research papers are required. Highly developed reading, writing, and oral communication skills are essential. Students may take the Advanced Placement United States History examination in May. Many colleges award credit or advanced standing with demonstration of competence on this exam. *Students must pay for the cost of the exam.*

### **United States Government: 12** **½ Credit**

United States Government is a course that prepares students to vote, to apply the responsibilities of citizenship, and to participate in community civic affairs. Students use prior knowledge as a basis to delve deeper into the complexities of American governmental institutions. The Constitution and the Bill of Rights provide the framework for the major themes: the principle of federalism, the

interaction of the legislative and executive branches, the effect of courts on the governmental process and the influence of the media on political behavior.

### **AP American Government and Politics: 12** **½ Credit**

AP American Government and Politics is a freshmen/sophomore university level course. It is designed so that the motivated student has a chance to earn university credit. This 1 semester course fulfills the government requirement for graduation. The course is a survey of the national government. We will analyze the constitutional underpinnings of American government, the political process, the institutions of the national government, public policy, civil rights and civil liberties. The course is conducted like a university seminar class. The abilities to read and write analytically are critical. All students registering for AP American government are expected to take the AP exam in May.

### **Economics: 12** **½ Credit**

Economics focuses on the impact of economics on the lives of people. Economic issues have been the determining force in decisions that have changed the course of history. Acquiring competencies and knowledge of practical economic concepts is stressed so that students can learn to make informed, rational, and effective economic decisions as participants in a democratic society.

### **AP Macroeconomics: 12** **½ Credit**

Macroeconomics is a one-semester study of how economic decision-makers affect the economy as a whole in terms of employment, price stability and economic growth. After defining and analyzing tools and models that describe the conditions of our national economy, our fundamental purpose will be to analyze how fiscal and monetary policies may be used to promote full employment, price stability and economic growth. The course is conducted like a university seminar. The standards of the course are comparable to any freshman/sophomore level university class. The abilities to read and write analytically are essential. It is recommended that students take Algebra 2, and do well in it, prior to enrolling in AP Macroeconomics. All students registering for AP Macroeconomics are expected to take the AP exam in May.

### **Sociology: 11-12** **½ Credit**

Sociology is a systematic study of human behavior, social groups, and society. Students will be introduced to the concepts, principles, theories, and methods used by sociologists to understand diversity of social life. Students will utilize data from a wide variety of cultural and historical sources. Using case studies, current events, research, and primary documents, students will study components of culture, history of sociology, research methods, social structure, stratification: economic, racial, ethnic, gender, the socializing process, deviation and social control, social movements, and specific social problems.

### **Psychology: 11-12** **½ Credit**

Psychology is a systematic study of the development of human beings from birth through old age, studied in terms of basic psychological principals. Major theories of child development will be considered. Furthermore, this introductory class will study human and animal behavior. Students will receive an overview of the many and diverse fields of psychological study.

## **FINE ARTS**

### **Band: 9-12** **1 Credit**

The high school band is designed to be the culmination of the Taylor ISD band program. Heavy emphasis is placed on the importance of music as a performing art. The performance-oriented organization strives to provide aesthetic and creative outlets for individual as well as group expression. Areas that are brought out in the course of rehearsals include, but are not limited to: the understanding of recreating an art form for the enjoyment of listener and performer, the esprit-de-corps associated with being a member of a respected organization, self-discipline in the independence of individual study, and socio-cultural influences reflected through music. The high school band functions as a representative of Taylor ISD in school, community, region and state activities. On occasion, the band will represent Taylor in various out of city/state functions.

**Music Honors 1** **1 Credit**  
*Requirements: Junior or Senior classification and enrollment in the high school band or choir, and signature of student's parent/guardian on Honors Music Program Contract.*  
See band director for more information.

**Music Honors 2** **1 Credit**  
*Requirements: Senior classification and enrolled in the high school band or choir. Signature of student's parent/guardian on honors Music Program Contract.*  
See band director for more information.

**Instrumental Ensemble 1,2,3,4:** **1 Credit**

**Band (Color Guard): 9-12** **1 Credit**  
*Students will sign up for Band and Instrumental Ensemble.*  
The color guard will serve as an auxiliary unit to the marching band. Attendance at all marching band events is required. The class will meet during the regular marching band class. Practice sessions outside of the school day will be required. Attendance to an outside color guard camp prior to the start of the school year will be required.

**Varsity Choir: 10-12** **1 Credit**  
*Students must audition and have Director's approval.*  
Varsity Chorale is the choir for the most advanced level students in the program. There is strong emphasis on sight-reading, vocal blend, vocal technique, and musical genres. Music studied would include Baroque, Impressionist, Classical, Contemporary, Broadway, Renaissance, Gregorian Chant, A-Cappella, etc. Varsity Chorale competes in various competitions and tours.

**JV Choir: 9-12** **1 Credit**  
*JV Choir is the choir for students who have taken at least one year of choir. This course is for advanced level students.*  
There is a strong emphasis on sight-reading, vocal blend, vocal technique, varsity training and musical genres in this course. Music studies would include Folk, American, A-Cappella, Secular, Sacred, Gospel, Broadway, Contemporary, etc.

**Dance 1: 9-12** **1 Credit**  
*Appropriate dance attire is required for ALL dance classes.*  
The basic fundamentals of dance will be covered: beginning jazz, ballet, modern and hip-hop, as well as marching and kicking skills to aid in drill team tryouts. Fundamentals of choreography and performance are covered as well.

**Dance 2: 10-12** **1 Credit**  
*Prerequisite: Successful completion of Dance 1 or test placement by instructor.*  
Intermediate continuation of skills learned in Dance 1: Fundamentals of Choreography and Performance.

**Dance 3: 11-12** **1 Credit**  
*Prerequisite: Successful completion of Dance 2 or test placement by instructor.*  
Intermediate to advanced continuation of dance skills, choreography and performance.

**Dance 4: 12** **1 Credit**  
This class is designed for serious dance students not wanting to do Hi-Steppers.

**Dance/Steppers: 10-12** **1 Credit**  
*Designed for members of the drill team. Considered an extra-curricular involvement.*  
Members must audition during tryout period. Continued work on dance skills with an emphasis on performance.

**Art 1 (Fundamentals of Art): 9-12** **1 Credit**  
This course lays the basic foundation for learning art processes, procedures, theories, history, and art judgment. The approach is experimental in use of materials (drawing, painting, printmaking, ceramic, sculpture) but structured to provide students a strong foundation in design, drawing, and vocabulary.

**Art 2 (Painting and Drawing): 10-12** **1 Credit**  
*Prerequisite: Art 1. This course is designed to build upon the basic foundation learned in Art 1.*

The course will continue to build up knowledge of art processes, procedures, theories, history, and art judgment. Students who take this course will use a variety of materials (drawing, painting, printmaking, ceramic, sculpture) and are encouraged to make more in-depth choices about art making. This course offers opportunities for visual perception, art expression, art appreciation, and art judgments, as these are critical components of this course.

**Art 2 (Sculpture): 10-12** **1 Credit**  
*Prerequisite: Art 1*  
Students study design elements and principles of form and space. They will explore additive and subtractive processes utilizing various techniques and materials (clay, plaster, cardboard, wire, plastic, and other materials.) This course offers opportunities for visual perception, art expression, art appreciation, and art judgments, as these are critical components of this course.

**Art 3 (Advanced Painting and Drawing): 11-12** **1 Credit**  
*Prerequisite: Art 2 (Painting and Drawing)*  
This course is designed for the student who desires further study in art. Emphasis will be placed on advanced techniques in the areas of drawing, painting, design, and composition. Media covered will be: pencil, pen and ink, charcoal, watercolor, pastel, tempera, scratchboard, airbrush, and printmaking techniques. There will be an emphasis on contest, show, and school exhibits. A lab fee may be required for this course.

**AP Studio Art: 11-12** **1 Credit**  
*Prerequisite: Art 2 (Painting and Drawing) Art 3 recommended prior to taking this course.*  
This course is designed to give the highly motivated art student an in-depth study in the area of art. During the course, the student will be completing a portfolio of about 40 different works to be submitted to the Advanced Placement Examination team for evaluation. The art department strongly suggests preparing for this course during his or her junior year (because of the amount of work required). A review by the art staff after 1<sup>st</sup> semester will be done.

**Theatre Arts-Drama 1: 9-12** **1 Credit**  
Drama is a fine arts course designed to introduce students to the many aspects of theatre as well as some theatre history. Students learn and practice activities that include: pantomime, improvisational acting, dramatic and humorous monologues, and duet acting. Successful theatrical productions require more than just actors! Students will also learn about the technical aspects of theatre including lighting, sound, set construction, and make-up. Students are required to perform various class assignments on stage.

**Theatre Arts-Drama 2, 3, 4: 10-12** **½ Credit**  
*Instructor approval required.*  
Students must have completed Theatre 1. Students will participate in advanced acting, technical theatre, and playwriting projects. Finished products may be presented at public performances. An historical overview of theatre will be included. Students will be encouraged to participate in productions and competitions. Performances are mandatory.

**Technical Theatre 1: 9-12** **1 Credit**  
This course will cover stage design, publicity, lighting, sound, and other aspects of theatrical production in conjunction with actual stage production. Theatre history and careers in theatre will also be discussed.

## SPEECH

**Communication Applications (Speech): 9-12** **½ Credit**

*All students must pass Communication Applications in order to graduate.*  
Becoming more comfortable in front of an audience as each student learns to prepare and give speeches is one objective of this course. Students will also learn how to improve their communication skills with individuals and as a group member.

**Debate 1: 9-12** **1 Credit**  
Students in debate will learn the process of successful contest debating and speaking. Students learn and develop skills in analysis, reasoning, logical thinking, and persuasion. Students practice these skills at UIL practice tournaments by participating in debate rounds. Students in debate have an excellent opportunity to qualify for scholarships. It is recommended that incoming freshmen should have successfully passed Pre-AP English at the middle school.

**Debate 2 & 3: 10-12** **1 Credit**  
*Instructor approval required*  
Advanced debate is a continuation of Debate 1. Students will prepare for and attend UIL practice tournaments.

**Oral Interpretation: 9-12** **½-1 Credit**  
Students will become more comfortable in front of an audience and develop an appreciation for literature by preparing and performing selected literary pieces. Students will work on preparing selections for speech tournaments and UIL Prose and Poetry competition.

## JOURNALISM

**Journalism: 9-12** **1 Credit**  
Students with a love of WRITING are encouraged to take this class. Through an in-depth study of publications, students will learn journalistic style writing, design, and layout and apply these principles to new, feature, and opinion based stories. In addition, students in journalism will study the history of media, newspaper production, and current events. Articles may be published in the *COTTON BOLL*.

**Newspaper 1,2, & 3 (Cotton Boll): 10-12** **1 Credit**  
*Prerequisite: Instructor approval only. Admission by application only.*  
Cotton Boll is an elective journalism course that focuses on the production of the school newspaper. Students who apply should have skills in writing, photography, and desktop publishing; these skills will be sharpened as students carry out the tasks of seeking out school news, interviewing, writing, and designing pages for publication. Most work can be accomplished during the school day, but some outside work will be necessary in order to cover events. **REQUIREMENTS:** A desire to communicate with other students, and a commitment to selling advertisements. Students learn leadership, financial responsibility, and how to cope with the pressure of deadlines.

**Photo-Journalism: 10-12** **1 Credit**  
*This is an introductory course in black and white photography.*  
Students who enroll in the class will learn the technical and creative aspects of photography. The primary focus of the class is to learn how to process and print film correctly and how to communicate with photographs.

**Mallard: 10-12** **1 Credit**  
*Prerequisite: Instructor approval only. Admission by application only.*  
Mallard is an elective journalism course whose focus is the production of a school yearbook that wins awards and appeals to the student body. Students who apply should have skills in writing, photography, and desktop publishing; these skills will be sharpened as students compose yearbook pages from the ground up. Most work can be accomplished during the school day, but some outside work will be necessary in order to report and photograph events. It will be necessary for Mallard staffers to communicate with a wide variety of THS students and faculty. Sales of books and advertisements will be a requirement of the course. Students will learn leadership, design, financial responsibility, and how to cope with the pressure of deadlines.

**Mallard Editors: 11-12** **1 Credit**  
*Prerequisite: Instructor approval required. This course is to be taken concurrently with Mallard 2,3,or 4. May be repeated for credit with instructor approval.*

During this class, leaders of the yearbook staff will perform editorial duties including but not limited to, writing, photography, layout, digital graphics, and page submission and proof corrections.

**Television Staff: 10-12** **1 Credit**  
*Prerequisite: Instructor approval required.*  
This is an elective journalism course whose focus is the production of a weekly or bi-weekly news show that appeals to the student body. Students who apply should have skills in writing, speaking, and/or videography; these skills will be sharpened as students create their

own video segments. Most assignments will be accomplished during the school day, but some outside work may be necessary in order to videotape events. It will be necessary for television staffers to communicate with a wide variety of THS students and faculty. Students will learn leadership, technical and journalistic skills, ethics, and how to cope with the pressure of deadlines.

## FOREIGN LANGUAGES

**German 1: 9-12** **1 Credit**  
This is an introduction to the language skills of listening, speaking, reading and writing through a study of German culture. Comprehension and speaking are stressed. A 'B' average in English is recommended for success in a second language. Students who have struggled in English classes should strongly consider waiting to begin this class until their junior year.

**German 2: 10-12** **1 Credit**  
*Recommended grade of 80 or above in German 1.*  
German 2 students will increase their proficiency in the German Language. Topics of interest to both American and German teenagers will make the study of German culture come alive.

**German 3: Pre-AP: 11-12** **1 Credit**  
*Recommended grade of 80 or above in German 2.*  
Students are expected to be able to comprehend and accurately express ideas in German, acquire vocabulary, grasp grammatical structure, accurately read magazine articles and literature selections in German, as well as memorize original dialogues, translate and memorize simple poetry.

**AP German 4: 12** **1 Credit**  
*Prerequisite: German 3 with a grade of at least 85, and approval of teacher.*  
This course will continue with four skills of German (reading, writing, speaking, and listening) in preparation for the AP German Language test. Students will write and produce videos and plays, refine their speaking and writing with regard to grammar and idiomatic expressions, and learn to understand native speech.

**Latin 1: 9-12** **1 Credit**  
Students will acquire a basic understanding of the Latin language with emphasis on Vocabulary, Derivatives, Culture, Mythology and a little history. During this course, students will complete books 1 & 2 of the Cambridge Latin Course

**Latin 2: 10-12** **1 Credit**  
*Recommended grade of 80 or above in Latin 1.*  
Students will continue their study of the Latin language with a greater emphasis on Latin Grammar and Roman History. During this course, students will complete book 3 of the Cambridge Latin Course and selections from Julius Caesar's Gallic Wars.

**Latin 3 Pre-AP: 11-12** **1 Credit**  
*Recommended grade of 85 or above in Latin 2 with consent of the teacher.*  
Students will spend a semester finishing book 4 of the Cambridge Latin course before moving on the selections from Virgil's Aeneid, Catullus's Poems, and Ovid's Metamorphoses.

**AP Latin 4: 12** **1 Credit**  
*Recommended grade of 85 or above in Latin 3 with consent of the teacher.*  
Students will prepare for the AP Latin exam in the spring through vigorous course work in either Virgil's Aeneid or Latin poetry, featuring Catullus and Ovid.

**Spanish 1: 9-12** **1 Credit**  
This course focuses on the basic grammar structure of the Spanish language. Reading, writing, listening and speaking skills will be used. Also, the Spanish culture will be studied along with cultural activities. In first year Spanish, the present and preterit tenses are presented, as well as an abundance of thematic vocabulary. Students are expected to have a thorough understanding of English grammar to successfully complete the foreign language program. A 'B' average in English is recommended for success in a second language. Students who have struggled in English classes should strongly consider waiting to begin this class until their junior year.

**Spanish 2: 10-12** **1 Credit**  
*Recommended grade of 80 or above in Spanish 1.*  
Through listening speaking, reading and writing, students will learn the vocabulary and grammar of Spanish, which is appropriate for the intermediate level of language learning. They will also continue to acquire a refreshing, sympathetic and realistic view of Hispanic culture. Thus, students will not only understand a language foreign to them but will also understand the native speakers of this language.

**Spanish 3 Pre-AP: 11-12** **1 Credit**  
*Recommended grade of 80 or above in Spanish 2.*  
Spanish 3 Pre-AP encompasses listening, speaking, reading and writing skills, grammar, culture, and research. The students are expected to be able to comprehend and accurately express ideas in Spanish, acquire vocabulary, grasp grammatical structure, accurately read magazine articles and literature selections in Spanish, as well as memorize original dialogues, translate and memorize simple poetry.

**AP Spanish Language: 11-12** **1 Credit**  
*Recommended grade of 80 or above in Spanish 3.*  
Advanced Placement Spanish Language will continue to emphasize listening, speaking, reading and writing skills, culture and research. In AP Spanish the students will continue to comprehend and accurately express ideas in Spanish, acquire vocabulary and read literature selections.

**Spanish 1 for Native Speakers: 9-12** **1 Credit**  
*This course is intended for high school students who have varying degrees of formal exposure to Spanish.*  
*Prerequisite: It is assumed that native/heritage speakers are able to understand authentic aural and written texts, and speak Spanish clearly. Native/heritage speakers will need approval by the Spanish department to register for the Spanish I for Native Speakers.*  
Native speaker classes deal with the special concerns in perfecting the Spanish spoken by students who speak Spanish at home. Some students understand much more than they speak; others are more fluent; however, most students need help with their written Spanish and in reading. We work on more advanced vocabulary, read short simple stories written in Spanish, and practice grammar structures. There is placement test given twice a year for students who are interested.

**Spanish 2 for Native Speakers** **1 Credit**  
*Prerequisite: A passing grade in Spanish I for Native Speakers.*  
Spanish II for Native Speakers continues to offer native/heritage speakers the opportunity to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, read, speak, and write in a variety of contexts and for a variety of audiences including the family, school and the immediate community. The course will allow students to explore the cultures of the Hispanic world including their own heritage and it will enable students to acquire a better understanding of the nature of their own language as well as other languages to be studied.

**French 1: 9-12** **1 Credit**  
Students will begin to utilize communication skills such as listening, speaking, reading, writing, viewing, and demonstrating through authentic French materials and resources. Students will develop these communication skills through the use of grammar, culture, technology and other learning strategies. French students will explore an exciting new multi-cultural world while also finding out about the basic similarities and differences between French and American daily life.

**French 2: 10-12** **1 Credit**  
Students will continue to develop communication skills such as listening, speaking, reading, writing, viewing, and showing. Students develop these skills by using knowledge of French, including grammar and culture, communication and learning strategies, technology, and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action. While knowledge of other cultures, connections to other disciplines, comparisons between languages and culture, and community interaction all contribute to and enhance the language learning experience, communication skills are the primary focus of language acquisition.

**French 3: 11-12** **1 Credit**  
French 3 Pre-AP offers a more-in depth focus on reading, writing, listening and speaking skills. Reading selections include novels/plays, and increased awareness of French civilization and culture. The class will be conducted mainly in French. Students will also have an opportunity to prepare and compete in the annual Texas French Symposium.

## ELECTIVES

**SAT/ACT PREPARATION: 9-12** **½ Credit**  
This course offers students intensive preparation/review for learner outcomes tested on the national exam. Advanced critical reading and comprehension skills will be emphasized in relation to all disciplines covered on the test. Major emphasis will be on the SAT and vocabulary building.

**Adv. Social Studies (Academic Decathlon): 9-12** **½-1 Credit**  
*Prerequisite: Instructor approval.*  
Academic Decathlon is an honors course designed around the ACDEC curriculum and competition. The class will take the 3 top performers in each of 3 categories to competition in the Spring Semester. The students electing to take the class in the fall will compete with each other for the 9 competition slots. The ACDEC curriculum encompasses an in-depth study of the core academic areas, Social Studies, Economics, Math, Literature and Science. It also includes Essay, Fine Arts, Speech, Interview and Super Quiz. The theme of the competition changes from year to year. Students looking for a challenge and a class that universities recognize immediately on high school transcripts are encouraged to enroll.

**Desktop Publishing: 9-12 (Priority to 9-10)** **1 Credit**  
Students will learn Adobe in Design with an introduction to Photoshop. Student projects will focus on the design elements that are needed to make quality printed materials. Assignments will be project based and designed to incorporate previous skills into future assignments. Students should have a solid foundation of computer skills, i.e. keyboard control, mouse usage, file management, and output before taking this course. This prepares students for positions on Mallard and Cotton Boll staffs.

**Digital Graphics & Animation: 9-12** **1 Credit**  
Through creativity and problem-solving skills, students in Digital Graphics & Animation will plan, analyze, and create visual solutions using a variety of methods such as illustration, animation, and various print and layout techniques. A solid foundation of computer skills, such as keyboard control, mouse usage, and file management, is encouraged before taking this course.

**Video Technology: 11-12** **1 Credit**  
In Video Technology, the student will participate in every aspect of movie making, including planning production, editing, and distribution. Students will develop skills with software, lighting, audio, graphics, organization, and teamwork in order to produce films for a variety of purposes and audiences in and out of the classroom. This course is recommended for students with experience in desktop publishing and or digital graphics and animation.

**Computer Science: 10-12** **1 Credit**  
This course will teach the basics of computer programming using Java. Computer Science I emphasizes object-oriented programming with a concentration on problem solving and algorithm development. This course also includes the study of the history of computers, number systems, data structures, design and abstraction.

## PE/ATHLETICS

**PE/Athletics: 9-12** **1 Credit**  
*4 PE or Athletic credits may be earned in high school that count toward graduation credits.*  
The PE/Athletic period is specifically designed for training athletes who will represent the school in extra-curricular events. Student/athletes are required to participate in the athletic period if they are going to compete on any Taylor ISD athletic team. Only student/athletes who will compete for the Taylor athletic program, or student athletes who have completed their eligibility and plan to play at the next level are allowed to participate in the athletic period. Participation in athletics requires intense physical training on a regular basis. For that reason,

student/athletes are required to complete a physical examination by a doctor each year before being allowed to participate on an athletic team.

**PE: 9-12** **½ to 1 Credit**  
*4 PE or Athletic credits may be earned in high school that count toward graduation credits.*

PE is a very important part of the student's total education. The primary mission in teaching this personal fitness class is to help all students develop the knowledge, skills, motivation, and behaviors that will promote and reinforce a lifetime commitment to wellness through a physically active and healthy life style. Great emphasis will be placed on lifetime and leisure activities, as well as year-round conditioning.

## CAREER & TECHNOLOGY ELECTIVES

### AGRICULTURE, FOOD AND NATURAL RESOURCES

**Principles of Ag:Food and Natural Resources: 9-12** **1 Credit**  
This course is designed for all first year agriculture students. Topics of instruction include the agricultural industry and its global importance; agricultural leadership organizations; agricultural research; concepts of animal and plant science; basics of mechanized agriculture; personal and communication skills; principles of food science technology; basic mechanical skills in agricultural applications; agriculture and environmental science relationships; and personal and agricultural business management.

**Livestock Production/Small Animal Management: 10-12** **1 Credit**  
*Prerequisite: Principles of Agriculture*  
The course explains animal anatomy and physiology related to nutrition, reproduction, health, and management of domesticated animals; identifies nutritional requirements of ruminant and non-ruminant animals; and discusses animal genetics, reproduction, animal pests and diseases, and traditional and current issues in animal science and livestock production.

**Veterinary Medical Applications: 11-12** **1 Credit**  
*Prerequisite: Livestock Production/Small Animal Management*  
Topics of instruction include practice management; patient management; animal nutrition; handling and restraining animals; assisting with examinations and treatments; laboratory aids and examinations; human and animal health; infectious diseases; non-infectious diseases; principles and methods of disease control; sterilization procedures; common surgical skills; production practices; and regulatory veterinary medicine.

**Advanced Animal Science: 12** **1 Credit**  
*Prerequisite: Veterinary Medical Applications*  
The course demonstrates principles relating to the interrelated human, scientific, and technological dimensions of animal agriculture and the resources necessary for producing domesticated animals; applies the principles of genetics and breeding to livestock improvement; examines animal anatomy and physiology in livestock species; recognizes policies and issues in animal science; discusses slaughter livestock operations; and explores methods of marketing livestock.

**Agriculture Mechanics and Metal Technology: 10-12** **1 Credit**  
*Prerequisite: Principles of Agriculture*  
This class is predominantly a hands-on shop class. Topics of instruction include shop safety, tools and tool usage; electrical wiring; plumbing; concrete work; fence construction; basic carpentry; metal working; oxy-acetylene torch operation; welding; and project and construction planning.

**Agriculture Facilities Design and Fabrication: 11-12** **1 Credit**  
*Prerequisite: Agriculture Mechanics and Metal Technology*  
This class is predominantly a hands-on shop class. Topics of instruction include shop safety, tools and tool usage; electrical wiring; plumbing, irrigation systems; concrete and masonry; fence construction; basic carpentry; metal working; oxy-acetylene torch operation; welding; small engine repair, farm machinery repairs; and project and construction planning.

## BUSINESS MANAGEMENT & ADMINISTRATION

**Principles of Business, Marketing & Finance: 9-12** **1 Credit**  
In Principles of Business, Marketing and Finance, students 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 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 collaborative and relevant activities, problems and settings in business, marketing and finance.

**Business Information Management I: 10-12** **1 Credit**  
This class introduces the student to skills and knowledge necessary to pass the Microsoft Computer Applications Specialist (MCAS) certification exam. Students address complex business applications through software applications and project-based instruction. In an increasing rigorous curriculum, students become proficient in word processing, spreadsheet, database, desktop publishing and presentation software to illustrate and communicate complex business problems. Teamwork skills will be reinforced with frequent presentations. Specialized units include Banking, Financial Literacy, and Identity Theft.

**Business Information Management II: 11-12** **1 Credit**  
This class completes the student preparation necessary to pass the Microsoft Computer Applications Specialist (MCAS) certification exam. Computer terminology, hardware, software, operating systems, and information systems relating to the business environment will be covered. Students utilize advanced business and technical skills to address business applications of emerging technologies, analyze business case studies, create complex written research, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

**Practicum in Business Management: 12** **1 Credit**  
The Practicum is designed to give students a supervised practical application of previously learned knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical and teamwork skills to solve business problems while developing a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers.

### HUMAN SERVICES /HOSPITALITY AND TOURISM

**Principles of Human Services: 9-12** **½ Credit**  
(Formerly known as Personal and Family Development)  
*This course goes hand in hand with Principles of Hospitality and Tourism.*  
This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. During this class we will have hands on activities including flour babies.

**Principles of Hospitality and Tourism: 9-12** **½ Credit**  
(Formerly known as Personal and Family Development)  
*This course goes hand in hand with Principles of Human Services.*  
The hospitality and tourism industry encompasses lodging, travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. This class will have hands on activities to learn the concepts of the hospitality industry.

**Lifetime Nutrition and Wellness: 10-12** **1 Credit**  
(Formerly known as Nutrition and Food Science)  
Love to cook or wish you knew how? This class is for you. This project based class is geared toward helping you realize how to apply good nutrition to your everyday life. Topics include: Food guide pyramid, nutrient recognition, food budgeting, menu planning and analyzing, etiquette, eating disorders, cooking math, and foods of the world. And did we mention lots of fun and eating?

**Culinary Arts: 11-12 1 Credit**  
**TSTC College Dual Credit**

*Prerequisite: Teacher approval and application, Lifetime Nutrition*  
An intermediate course providing students with an inside look at culinary arts. You will apply much of the information that was acquired in Nutrition and Food Science. Students will learn menu planning, recipe modification, and different cooking techniques. Students will prepare for further studies and careers in the food service industry. They will also work toward becoming certified by ServSafe, a nationally recognized and accredited food protection manager certification.

**Practicum in Culinary Arts I: 12 2-3 Credits**  
**TSTC College Dual Credit**

*Prerequisite: Teacher approval and application, Culinary Arts*  
Students will continue to learn aspects of the food service industry. They will have school based and work based learning opportunity. They will do independent study as well as an internship.

**Child Development: 10-12 1 Credit**

A concentration content area course that prepares students to understand children's physical, mental, emotional and social growth and development as well as provide for their care and guidance. Instruction includes prenatal developments, inherited characteristics, health and safety, guidance and discipline, cultural diversity, and child abuse and neglect. This course provides a solid foundation for any career that involves working with children, including child care and education. Speakers, audio-visual materials, mechanical babies and field trips supplement classes.

**Fashion Design: 10-12 1 Credit**

This studio course is designed for students who have interest in the fields of fashion design, apparel, textiles, and clothing construction. Individual projects using design principles will be used to further develop the students' skills. The class will use demonstration and hands-on experience to teach the skills needed to plan and construct five to six garments during this class.

**Advanced Fashion Design: 11-12 1 Credit**

*Prerequisite: Teacher approval and application, Apparel and Textiles*  
An intermediate course for students in which they will apply the skills learned in Apparel and Textiles and continue creating garments both from a pattern and draping on body forms. Students will create an entire collection of garments from the design stages to production that will be displayed at a student fashion show at the end of the year.

## HEALTH SCIENCE

**Principles of Health Science: 9-12 1 Credit**

(Formerly known as Health Science Technology 1)  
Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

**Medical Terminology: 9-12 ½ Credit**  
**Dual Credit**

*Prerequisite: HST 1*  
Medical Terminology is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

**Health Science: 10-12 2 Credits**

(Formerly known as Health Science Technology 2)  
*Prerequisite: Health Science Technology 1, Biology, Chemistry.*  
Health Science is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

**Practicum in Health Science: 11-12 2 Credits**  
(Formerly known as Health Science Technology 3)

*Prerequisites: Health Science Technology 1, Biology, Chemistry.*  
*General Requirements: The occupationally specific course we offer at this time is Pharmacy Technician Training.*

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

## TRANSPORTATION, DISTRIBUTION AND LOGISTICS

**Principles of Transportation, Distribution and Logistics: 9-12 ½ Credit**

Students will gain knowledge and skills in safe application, design, and assessment of products, services, and systems. This knowledge includes the history, laws, regulations, and common practices used in logistics of warehousing and transportation systems. Students will apply knowledge and skills in the application, design, and production of technology as it relates to the industries. This course lets students apply and reinforce academic knowledge and skills by using a relevant activities, problems, and settings.

**Energy, Power, and Transportation Systems: 9-12 ½ Credit**

*Prerequisite: Principles of Transportation, Distribution, and Logistics*  
Students will gain an understanding of the interaction between various vehicle systems, the logistics used to move goods, and services to consumers, and the components of the transportation infrastructure. Students will include academic and technical skills as they prepare to meet the expectations of employers in this industry.

**Automotive Technology: 10-12 2 Credits**

*Prerequisites: Principles of Transportation, Distribution and Logistics and Energy, Power, and Transportation Systems*  
Students will gain knowledge and skills needed to diagnose, maintain, and repair vehicle systems. This course allows the student to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The course is designed to teach the theory of operation of automotive systems and repair practices.

**Advanced Automotive Technology: 11-12 2 Credits**

*Prerequisite: Automotive Technology*  
Students will gain advanced knowledge and skills needed to diagnose, maintain, and repair the major vehicle systems. This course allows the student to reinforce, apply, and transfer knowledge and skills learned in Automotive Technology to a variety of activities, and problems working with the advanced technologies present on modern vehicles. The course is designed to teach the theory of operation of automotive systems and repair practices necessary to succeed in the transportation industry.

**Practicum in Transportation, Distribution and Logistics: 12 2 Credits**

Paid or unpaid internship, mentorship, or independent study in the field of transportation and distribution available to seniors who have successfully completed Advanced Automotive Technology.

## Dual Credit Courses

**Introduction to Criminal Justice: 11-12 1 Credit**

Dual Credit Course  
This course tries to put American crime problems in historical perspective. An in-depth look will be taken at the social policies affecting crime impact and crime trends, social characteristics of specific crimes, and prevention of crime. This course may be taken as part of a Tech Prep program in criminal justice.

**Computer-Aided Drafting: 9-12 1 Credit**

A Dual Credit course that is an introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layer, coordinate systems, and plot/print to scale.

**Introduction to Electronics: 9-12****1 Credit****Dual Credit Course**

This course will provide basic knowledge everyone needs to fully prepare for using electronic equipment today and in the future. This course is good exposure for everyday use or career planning. The course provides exposure to several broad electronics-related fields. An interest in an electronics career is not necessary, only a curiosity of where and how electronics will impact our lives and the desire to be able to fully utilize its availability.

**CAREER PREPARATION****Career Preparation I: 11-12****3 Credits**

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, rigorous, and supports student attainment of academic standards and effectively prepares students for college and career success.

**Career Preparation II:****12****3 Credits***Prerequisite: Career Preparation I*

Career Preparation II develops essential knowledge and skills through classroom, technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation.

**LOCAL / NO CREDIT COURSES****Student Aide: 11-12****Local Credit***Approval Required: No credit toward graduation*

Students work in the office, counselor office, or ISS

**TAKS Acceleration Class**

This class is designed for students that have not passed, or, are struggling with the TAKS test. Students are **PLACED** in this class which occurs during zero hour. Students must attend or will be considered truant. Failing grades do affect participation in sports and UIL events.