

Course Description Handbook



2009-2010

TIVY HIGH SCHOOL

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Kerrville, Texas 78028

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GRADUATION PROGRAM for CLASS 2010

Minimum Graduation Program (upon approval of principal, counselor, and parent)	Recommended High School Program (Includes Advanced Courses)	Distinguished Achievement Program
English (4 credits) English 1, 2, 3, 4	English (4 credits) English 1, 2, 3, 4	Same as RHSP
Mathematics (3 credits including Algebra and Geometry)	Mathematics (3 credits) Algebra 1, Algebra 2, Geometry	Same as RHSP
Science (2 credits) To include Biology and IPC	Science (3 credits) Biology, Chemistry, Physics	Same as RHSP
Social Studies (2.5 credits) To include World History or World Geography, US History and US Government	Social Studies (3.5 credits) World Geography, World History, U.S. History, U.S. Government	Same as RHSP
Economics (.5 credits)	Economics (.5 credits)	Same as RHSP
Academic Elective (1 credits)	Language Other Than English (2 credits same language)	Plus level III
	Fine Arts (1 credit)	Same as RHSP
Physical Education (1.5 credits)	Physical Education (1.5 credits)	Same as RHSP
Health Education (.5 credits)	Health Education (.5 credits)	Same as RHSP
Speech (.5 credits)	Speech (.5 credits)	Same as RHSP
Technology Applications (1 credit)	Technology Applications (1 credit)	Same as RHSP
Electives (5.5 credits)	Electives (3.5 credits)	Electives (2.5 credits)
Total Credits: 22	Total Credits: 24	Total Credits: 24**

**The Distinguished plan on both programs requires students to complete "Advanced Measures" that do not enter into credit-count considerations

Advanced Measures

- The measures must focus on demonstrated student performance at the college or professional level.
- Student performance on advanced measures must be assessed through an external review process.

A student must achieve any combination of four of the following:

Original research/project:

- Judged by a panel of professionals in the field that is the focus of the project; or
- Conducted under the direction of mentor(s) and reported to an appropriate audience, and
- Related to the required curriculum set forth in 19 TAC 74.1 (relating to Essential Knowledge and Skills).

Original research/projects may not be used for more than two of the four advanced measures.

Test Data

- A score of three or above on The College Board Advanced Placement examination;
- A score of four or above on an International Baccalaureate examination;
- A score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of The College Board or as part of the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation. The PSAT score may count as only one advanced measure regardless of the number of honors received by the student.

College Courses

A grade of 3.0 or higher on courses that count for college credit, including tech prep program.

GRADUATION PROGRAM for CLASS of 2011, 2012, 2013

Minimum Graduation Program (upon approval of principal, counselor, and parent)	Recommended High School Program (Includes Advanced Courses)	Distinguished Achievement Program
English (4 credits) English 1, 2, 3, 4	English (4 credits) English 1, 2, 3, 4	Same as RHSP
Mathematics (3 credits including Algebra and Geometry)	Mathematics (4 credits) Algebra 1, Algebra 2, Geometry, 4 th math	Same as RHSP Plus 4 th math course which Algebra 2 is prerequisite
Science (2 credits)	Science (4 credits) IPC, Biology, Chemistry, Physics, lab based science	Same as RHSP (Not to include IPC)
Social Studies (2.5 credits)	Social Studies (3.5 credits) World Geography, World History, U.S. History, U.S. Government	Same as RHSP
Economics (.5 credits)	Economics (.5 credits)	Same as RHSP
Academic Elective (1 credits)	Language Other Than English (2 credits same language)	Plus level III
	Fine Arts (1 credit)	Same as RHSP
Physical Education (1.5 credits)	Physical Education (1.5 credits)	Same as RHSP
Health Education (.5 credits)	Health Education (.5 credits)	Same as RHSP
Speech (.5 credits)	Speech (.5 credits)	Same as RHSP
Technology Applications (1 credit)	Technology Applications (1 credit)	Same as RHSP
Electives (5.5 credits)	Electives (3.5 credits)	Electives (2.5 credits)
Total Credits: 22	Total Credits: 26	Total Credits: 26**

**The Distinguished plan requires students to complete "Advanced Measures" that do not enter into credit-count considerations.

ACCREDITATION

Tivy High School is fully accredited by the Texas Education Agency.

PLANNING

The purpose of this handbook is to provide information concerning the curriculum at Tivy High School. It is to be used as a guide to assist students, parents, and school personnel in planning educational programs to meet the needs and interests of students. Students who may be undecided about their plans are not required to choose between preparation for college and preparation for employment after high school, but should prepare for both.

ATTENDANCE

Current law states that students must be in attendance for 90% of the days that the course is offered in order to be eligible to receive course credit(s); therefore, students will not be allowed to drop a course after the first 10 days of school. Failure to meet attendance requirements may mean loss of credit. Refer to the *Student Handbook* for details.

AWARD OF CREDITS

Tivy High School operates under a two-semester system with each semester divided into three six-week grading periods. The following grading rules shall apply:

- (a) Courses listed as 1-credit courses indicate a course that covers two semesters. The average of the two semesters must be passing to receive credit.
- (b) Courses listed as being ½-credit courses indicate courses in which ½ credit will be issued at the end of each semester passed.
- (c) Courses listed as ½- or 1-credit courses indicate a course in which the credit may be issued at the end of a semester; but if the course is continued the second semester, the two semesters will be averaged for credit.

GRADE CLASSIFICATION

Current Grade Classification Standards (all graduation plans) and Incoming Freshmen (2007 and thereafter) on Minimum Plan

9 th Grade	0 to 5
10 th Grade	5.5 to 11
11 th Grade	11.5 to 16.5
12 th Grade	17 to 24

Grade Classification Standards for Freshmen (incoming 2007 and thereafter) on Recommended or Distinguished Plan

9 th Grade	0 - 6
10 th Grade	6.5 to 12.5
11 th Grade	13 to 19
12 th Grade	19.5 to 26

EXAMS FOR ACCELERATION

Recent changes in education laws by the legislature have provided an opportunity for students to take a test and receive credit in certain courses for acceleration. All exams are TEA approved and study materials will be furnished. Students are required to score a 90 or above to receive credit by acceleration. See your counselor for an approval form. Exams for acceleration will not count toward a student's GPA or weighted grade average. There is a fee for each exam.

EXAMS FOR REMEDIATION

Credit by exam is also available to students who have failed a course with a grade no lower than a 60 and wish to try to test out of the course rather than repeat it. A score of 70 on the exam is required. See your counselor for an approval form. Exams for remediation will not count toward a student's GPA or weighted grade average. There is a fee for each exam.

ADVANCED COURSES

Tivy High School offers Pre-AP, AP, and Dual Enrollment courses in various disciplines to both challenge and meet the needs of GT and college-bound students. These classes have been vertically aligned to ensure that students graduating from Tivy High School will have the academic foundation and skills necessary to succeed on a college or university campus. Additionally, these courses afford students the opportunity to earn college credit hours. Students registering for Pre-AP, AP, and Dual courses are committing to the rigors of the course; therefore, the student and parents are required to sign a course contract which must be completed and turned in to the counseling office before registration is complete and materials for summer assignments are distributed for those courses requiring summer work. Collection of and testing on summer assignments will constitute a major portion of

the course's first grading period's assessment. Failure to complete the assignments before the beginning of the course will not be accepted as a reason for dropping the course.

ATTENDANCE REQUIREMENTS (For Dual Credit Courses)

For all Dual credit courses, college credit will not be given for a grade below 75 or for more than four absences per semester. Classes missed for school performances or competitions will not count against the student. Students who accumulate five or more absences will not be allowed to make up time for college credit. On the fifth absence, students will be withdrawn from college and will not receive college credit. If the fifth absence occurs after the college's drop date, a student will receive an "F" for the college course, rather than a "W". The student may continue to take the course for high school credit, but will not receive honor points added to his/her GPA. Dual courses require a 36-week commitment on the part of the student. The responsibility lies with the student and parents to contact the college or university of their interest to determine acceptance of credit for Dual Courses.

CO-ENROLLEMENT

College courses are available for students in 11th or 12th grade that are 16 or older at Schreiner University and the Greater Kerrville Alamo Community College Center on a space available basis. Students must meet college entrance requirements. Tuition for one three hour course a semester is provided free of charge at Schreiner University. Students enrolled at the ACCD Center must pay tuition. Co-enrollment grades do not satisfy high school credit or impact high school GPA. Contact the counselor for additional information and application procedures. Enrollment is not guaranteed.

COURSE SELECTION AND SCHEDULE CHANGES

The courses to be taught during the next school year are determined by the course selection process in the preceding spring. Courses with requests of fewer than 10 students may not be taught. It is important to give serious consideration when selecting courses. Course choices impact the master schedule and staffing needs. For extenuating circumstances, schedule changes may be made in the first four (4) school days of the semester with administrative approval.

GRADING SYSTEM

90 - 100	A
80 - 89	B
70 - 79	C
69 & lower	F

CLASS RANK

Graduating seniors shall be ranked within the graduating class on the basis of weighted grade averages computed from designated high school courses taken in grades 9-12 to the end of the 5th six-week grading period of 12th grade. Class rank will be computed on core courses in the categories of English, Math, Science, Social Studies, and Foreign Language, as identified by TEA. Advanced courses within the core curriculum will receive an additional ten points upon completion for the purposes of class rank and GPA. Core courses taken outside of school will not count toward one's GPA and weighted grade average, i.e., correspondence courses, credit by exams. For class rank and GPA purposes, honor points will be awarded to students at the time of ranking.

VALEDICTORIAN, SALUTATORIAN

To be chosen as valedictorian or salutatorian:

(1) The highest weighted grade average to be valedictorian. (2) The second highest weighted grade average to be salutatorian. (3) Continuously enrolled in KISD for at least two school years prior to graduation and must be enrolled at the time of graduation. Early graduates will be assigned class rank but will not be eligible for valedictorian or salutatorian honors. If a tie remains after calculation of weighted grade average to the fourth decimal point, the students with identical class rank shall share the honor.

TRANSCRIPTS

According to the Texas Education Agency, an official copy of a transcript must be sent directly from one institution to another. It cannot be placed in the hands of a student, student's parent, or guardian. Official and unofficial copies of transcripts cost \$1.00 and are available from the Registrar.

CREATING A CULTURE OF COLLEGE-BOUND STUDENTS

High school students can earn college credits by signing up for high school courses which include Advanced Placement (AP) and Dual Credit courses. Students should meet with their high school counselor and teachers to obtain more information about these courses.

ADVANCED PLACEMENT

Students can earn college credit through the College Board AP Examinations which are given in May each year at Tivy High School. There is a fee for each AP exam, but if you score a 3 or higher on the exam you could possibly earn college credit and a financial incentive from Kerrville community sponsors. For assistance in paying for the test, speak with your counselor or teacher. AP course offerings are outlined in the Course Description Handbook. Listed below are the AP courses available at Tivy High School:

English III, English IV, World History, US History, US Government, Economics, Psychology
Biology II, Physics, Chemistry, Environmental Systems, Calculus, Statistics,
Spanish III, IV, V, and French IV

DUAL CREDIT

Students can take academic dual credit courses to earn college credit while earning high school credit. Listed below are the dual credit courses available at Tivy High School:

English IV, Pre-Calculus, Calculus, US History, US Government,
Medical Terminology, Graphics and Animation, Computer Applications, BCIS and Building Trades

Visit with counselors for a complete list of Dual Credit courses offered at the Greater Kerrville ACCD Center after regular school hours.

All dual credit courses require the student meeting the minimum enrollment criteria established by the college offering credit. Students must take the Accuplacer test to show their readiness for college level work and submit parent approval forms to take these courses.

LANGUAGE ARTS



ENGLISH AS A SECOND LANGUAGE

Credits: ½ - 2 (2 credits can be used toward the 2 required English credits for English I and English II)

Prerequisites: Must qualify; parent permission

Grades: 9 – 12

ESL is a course designed for eligible students who are not native speakers of English. Its purpose is to develop English language skills in speaking, reading, writing, comprehension, and listening using standard TEKS for the course levels. Its purpose is also to prepare students for life skills and for the state-mandated TAKS and TELPAS tests.

ENGLISH I

Credits: 1

Prerequisites: None

Grades: 9

This course emphasizes well-written communication demonstrated through writing descriptive, narrative, expository multiple-paragraph writing, using the appropriate forms and conventions of written language. Students will read, analyze, and use basic literary terminology in the study of poems, short stories, novels, plays, and non-fiction works. Special emphasis will be placed on the study of narrative elements, symbolism, and theme, as well as on research skills and development of vocabulary skills. Grammatical skills are interwoven into the studies of literature throughout the course. TAKS objectives will be practiced in preparation for the state-mandated tests.

ENGLISH I Pre-AP

Credits: 1

Prerequisites: None

Grades: 9

This course emphasizes writing proficiency and literary analysis in preparation for future collegiate work and/or successful completion of the AP exams during the junior and senior years of high school. Major works of study include *The Odyssey*, *Of Mice and Men*, and *Romeo and Juliet*. *Summer reading is vital to the success of English I Pre-AP students.* Students must complete summer reading before the school year begins. Students will be tested over their summer reading during the first week of the school year.

ENGLISH II

Credits: 1

Prerequisites: English I or English I Pre-AP

Grades: 10

This course emphasizes well-written communication demonstrated through writing descriptive, narrative, expository multiple-paragraph writing, using the appropriate forms and conventions of written language. Students will read, analyze, and use basic literary terminology in the study of poems, short stories, novels, plays, and non-fiction works. Special emphasis will be placed on the study of narrative elements, symbolism, theme, as well on research skills and development of vocabulary skills. TAKS objectives will be practiced in preparation for the state mandated tests.

ENGLISH II Pre-AP

Credits: 1

Prerequisites: English I or English I Pre-AP

Grades: 10

This course emphasizes increasingly complex reading and writing skills as well as vocabulary development. Students will also read, analyze, and use basic literary terminology in the study of poems, short stories, novels, plays, and non-fiction works, with an emphasis on several books from the AP Reading List. The fall semester focuses on such works as *A Separate Peace*, *Our Town*, *Spoon River Anthology*, and *Listening for the Crack Of Dawn*. *Lord of the Flies*, *Julius Caesar*, and *The Great Gatsby* are the major works for the spring semester as well as poetry and short stories. Interspersed with these studies are units in grammar and TAKS preparation. *All students registered for English II Pre-AP will be required to read during the summer the following selections: To Kill A Mockingbird, Fahrenheit 451, and Ecclesiastes from the Bible.* During the first weeks of the class, students will have written assignments and tests over the readings which will count as major grades.

ENGLISH III

Credits: 1
Prerequisites: English II or English II Pre-AP
Grades: 11

Emphasis in this course will be on increasingly complex reading and writing skills and on vocabulary development. Students will become familiar with the use of the MLA research handbook to plan and generate a research paper with parenthetical documentation and a works-cited list. A survey of literature will stress the major authors, periods, forms and works in American literature, as well as the history and major features of American dialects. Literary works in all genres will be analyzed for their literary elements. SAT and ACT skills, and TAKS objectives will be emphasized for preparation for the SAT, ACT, and state mandated TAKS tests.

ENGLISH III AP

Credits: 1
Prerequisites: English II or English II Pre-AP
Grades: 11

English III AP focuses on improving students' analytical reading skills, effective writing skills, and higher level thinking skills. The work of the fall semester focuses on the short story, a research project, and The Scarlet Letter. The spring semester focuses on reading a wide variety of nonfiction essays, writing essays in the various modes of discourse, learning and practicing analysis of the visual medium, preparing and practicing for the AP Examination, reading, discussing, and responding to the contemporary novel, All the Pretty Horses by Cormac McCarthy. Interspersed with these studies each semester are concentration on building vocabulary, and improvement of grammatical skills.

Summer reading is a significant aspect of English III AP. Each student registered for this course will receive two books and various essays to read over the summer. The tests over the summer reading will be given during the first week of school in the fall semester; there will also be class discussions and written assignments related to the summer reading.

NOTE: Because there is potential for a student who takes English III AP to take and pass the AP Language Exam, thereby earning college credits, the course deals with college level material that requires a maturity of thought and open-mindedness on the part of students.

ENGLISH IV

Credits: 1
Prerequisites: English III or English III AP
Grades: 12

This course provides students with a background in origins and development of the English language, major authors, periods, forms, and works in British literature. A major emphasis will be placed on student-generated writing incorporating the writing process, as well as on writing relating to the literature read, using creative thinking skills as students analyze and respond to that literature. Language skills and increasingly complex vocabulary development will be emphasized to prepare students for ACT, SAT, and college entrance tests. Students will research primary and secondary sources to write a documented literary analysis paper or topical paper in MLA style. Students will use traditional as well as online sources.

ENGLISH IV DUAL

Credits: 1
Prerequisites: (1) English III or English III AP (2) Minimum passing scores on the Accuplacer; SAT Verbal 500, Math 500 and a Composite of 1070; ACT English 19, Math 19 and a Composite of 23.
Grades: 12

This course will be a study of the principles of correct and effective oral and written standard English expression. The primary focus will be training and practice in reading and writing of prose, chiefly expository prose. English IV Dual is a composition course that provides practical instruction in the principles and methods of clear, effective writing, including analyzing audience and purpose, prewriting, planning, drafting, revising, and editing. The course introduces summary, paraphrase, quotation, and documentation, as well as the processes of effective researched writing and synthesis of sources. The course will also emphasize critical reading of non-fiction and analysis and discussion of the readings. In addition to its primary focus on writing, this course will address the reading and analysis of primarily British literature. Summer reading novels are Orwell's 1984 and Huxley's Brave New World with tests over the books during the first week of school.

ENGLISH IV AP

Credits: 1

Prerequisites: English III or English III AP

Grades: 12

English IV AP Literature and Composition is designed to be a college/university level course that will provide the student with the intellectual challenges and academic rigor that is consistent with a typical undergraduate English Literature course. Emphasis will be placed on literary analysis and the writing of critical essays through higher-level thinking. It is designed for the able student who has mastered the basic language skills, is capable of reading and interpreting complex material, engages easily in higher level thinking skills, writes effectively, and readily accepts intellectual challenges. At the conclusion of the course, students will take the AP English Literature and Composition Exam and may earn college credit. The fall semester will begin with the breakdown of the summer reading novels, Orwell's 1984 and Huxley's Brave New World.

ENGLISH – LANGUAGE ARTS ELECTIVES

CREATIVE AND IMAGINATIVE WRITING

Credits: ½, 1

Prerequisites: English I or English I Pre-AP

Grades: 10 - 12

Students will explore the art and craft of creative writing including poetry, short story, essay, memoir, and drama. The central focus throughout the course will be on finding a unique and personal voice. Material for writing will be gathered from the imagination, the senses, and the world around us. Students will share their work with their peers each grading period, and they will be expected to read and discuss the writing of their classmates.

PHOTOJOURNALISM

Credits: 1

Prerequisites: None

Grades: 9 - 12

Students enrolled in Photojournalism learn to plan, compose, and critique publications, carefully examining their writing and photography for publication quality. Students also enhance their communication skills and learn the laws and ethical considerations that impact the publishing world. Technology, visual, and electronic media are used as students design, create, clarify, critique, and produce effective written and visual samples. Students learn the basics of journalistic writing with headlines, captions, news, editorial, sports, and feature styles, as well as good interviewing skills and questioning strategies. Students also practice basic camera skills, safe handling and disposing of chemicals when operating in a darkroom, film developing, and photo printing from film, as well as digitized cameras and the basics of desktop technology to complete the publication process.

NEWSPAPER PRODUCTION I

Credits: 1 (This course satisfies the required technology credit)

Prerequisites: Photojournalism or instructor approval

Grades: 10 - 12

Newspaper Production I applies the skills from photojournalism and involves the study of new techniques in journalism, as well as the assumption of responsibilities of reporting, photography, layout, advertising, and producing the school newspaper using desktop publishing techniques. Applicants must submit a written application and recommendations in the spring of the preceding school year.

NEWSPAPER PRODUCTION II

Credits: 1

Prerequisites: Newspaper Production I

Grades: 11 - 12

Newspaper Production II is a continuation and extension of skills covered in Newspaper Production I.

NEWSPAPER PRODUCTION III

Credits: 1

Prerequisites: Newspaper Production II

Grades: 11 - 12

Newspaper Production III is an editorial leadership continuation, and extension of skills and responsibilities covered in Newspaper Production II.

YEARBOOK PRODUCTION I

Credits: ½, 1 (This course satisfies the required technology credit)

Prerequisites: Photojournalism or instructor approval

Grades: 10 - 12

Yearbook Production I applies the skills from photojournalism and involves the study of new techniques in journalism, as well as the assumption of responsibilities of reporting, photography, layout, advertising, and producing the school yearbook using desktop publishing techniques. Applicants must submit a written application and recommendations in the spring of the preceding school year.

YEARBOOK PRODUCTION II

Credits: ½, 1

Prerequisites: Yearbook Production I

Grades: 11 - 12

Yearbook Production II is a continuation and extension of skills and responsibilities covered in Yearbook Production I.

YEARBOOK PRODUCTION III

Credits: ½, 1

Prerequisites: Yearbook Production II

Grades: 11 - 12

Yearbook Production III is an editorial leadership continuation of skills and responsibilities covered in Yearbook Production II.

DEBATE, SPEECH

DEBATE I

Credits: ½, 1

Prerequisites: None

Grades: 9 - 12

Debate I focuses on the structures of debate, logic and critical thinking, complex note-taking, information organization skills, advanced reading experiences, resolution interpretation, listening, presentation, and evaluation of debates. Debate is an excellent college preparatory course for highly motivated and capable students. The students will prepare for debate competitions. Debate is a competitive course and students will be required to attend a minimum number of major debate tournaments, as determined by the teacher.

DEBATE II

Credits: ½, 1

Prerequisites: Debate I

Grades: 10 - 12

This course is a continuation of skills and activities covered in Debate I. Students are required to travel to and compete in a minimum of competitions as determined by the teacher.

DEBATE III

Credits: ½, 1

Prerequisites: Debate II

Grades: 10 - 12

This course is a continuation of skills and activities covered in Debate II. Students are required to travel to and compete in a minimum of competitions as determined by the teacher and to be involved in teaching the novice debaters.

COMMUNICATION APPLICATIONS

Credits: ½

Prerequisites: None

Grades: 9 - 12

This course is designed to enable students to develop effective communication skills necessary for successful participation in professional and social life. Students will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. This course fulfills the state requirement for speech.

MATHEMATICS



Students who complete Algebra 1 at the middle school will be required to take three years of mathematics at the high school. These courses should include geometry, Algebra 2, and pre-calculus, or another course of equal quality. All 9-11 grade mathematics courses prepare students for success on the Texas Assessment of Knowledge and Skills (TAKS) test.

ALGEBRA 1 - TAKS PREPARATION

Credits: 1

Prerequisites: Teacher recommendation

Grades: 9 - 12

Algebra I-TAKS Preparation provides the same skills and concepts as in Algebra I but at a slower pace. This course prepares students for success on the TEKS.

ALGEBRA I

Credits: 1

Prerequisites: None

Grades: 9 - 12

As presented in grades K - 8, the basic understanding of number operations, quantitative reasoning, patterns, relationships and algebraic thinking, geometry, measurement, and probability and statistics are essential foundations for all work in high school mathematics. Algebra I will build on algebraic thinking and symbolic reasoning, function concepts, relationships between equations and functions, tools for algebraic thinking, functions and underlying mathematical processes. Graphing calculators will be used extensively.

GEOMETRY

Credits: 1

Prerequisites: Algebra I

Grades: 9 - 12

Geometry is designed to develop the student's logic and reasoning through the study of geometric proofs. Geometry is a course that includes plane, solid, coordinate, and transformation geometry. It provides the study of basic definitions, postulates, and theorems (including proofs), transformations, congruencies, similarities, coordinate geometry, area, and volume.

GEOMETRY PRE-AP

Credits: 1

Prerequisites: Algebra I

Grades: 9 - 12

Geometry Pre-AP provides students with the opportunity to prove more theorems independently, to solve more challenging problems involving the application of theorems, to substantiate conclusions, to complete more indirect proofs, and to spend more time on applying geometric concepts. It provides an enriched geometry program with a greater emphasis on proofs, higher order thinking skills, and problem solving. Students will need a graphing calculator.

MATHEMATICAL MODELS WITH APPLICATIONS

Credits: $\frac{1}{2}$, 1

Prerequisites: Algebra I, (Geometry, Algebra II for Recommended and Distinguished Achievement Graduation Plans)

Grades: 11 - 12

Students will continue to build on the K - 8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use mathematical methods to model and solve real-life, applied problems involving money, data, chance, patterns, music, design, and science. Projects completed outside of class are relevant to the subject matter being taught at the time. Students having access to a graphing calculator outside of class is beneficial. *For students on the Recommended or Distinguished Achievement graduation plan, this course cannot be taken if the student has completed Algebra II.*

ALGEBRA II

Credits: ½, 1

Prerequisites: Algebra I

Grades: 10 - 12

This course is designed to provide the college-bound student with a systematic development of the real and complex number systems. Emphasis will be placed on relations and functions, systems of equations and inequalities, quadratic functions, conic sections, polynomials, and logarithmic and exponential functions. Students will need a graphing calculator.

ALGEBRA II PRE-AP

Credits: ½, 1

Prerequisites: Algebra I

Grades: 10 - 12

This course is designed to prepare the gifted math student with a rigorous development and usage of the real and complex number systems. It consists of the same basic concepts studied in the regular Algebra II course, but taken to a greater depth. Applications are handled by creating mathematical models of phenomena in the real world. The students are required to identify the kind of function that fits a given situation and derive an equation that suits the information in the problem. The problems also require the students to use many mathematical concepts in the same problem. A graphing calculator is highly recommended.

PRE-CALCULUS

Credits: ½, 1

Prerequisites: Geometry, Algebra II

Grades: 11 - 12

This course is designed to prepare college-bound students for Calculus. The subjects of trigonometry, analytical geometry, and elementary analysis are integrated with other important mathematical topics by an approach that emphasizes functions. Students will need a graphing calculator.

PRE-CALCULUS Pre-AP, DUAL

Credits: ½, 1

Prerequisites: Geometry, Algebra II

Grades: 11 - 12

This course is designed to prepare college-bound students for Calculus. The subjects of trigonometry, analytical geometry, and elementary analysis are integrated with other important mathematical topics by an approach that emphasizes functions. A faster pace and more in-depth and challenging problems distinguish this course from a regular Pre-Calculus course. Students will need at least a personal scientific calculator.

The student may take Pre-Calculus for dual enrollment college credit.

CALCULUS AP, DUAL

Credits: ½, 1

Prerequisites: Pre-Calculus

Grades: 11 - 12

Calculus AP consists of differentiation and integration of functions with one independent variable. The course combines an informal development of theory with an emphasis on problem solving. It is a rigorous course taught at the college level and gives the student an opportunity to receive 4 - 8 hours of college credit and/or placement for the calculus course they would normally take at the freshman level of college. A student taking this course is recommended to take the Calculus AB exam in May. A graphing calculator is highly recommended.

The student may take Calculus for dual enrollment college credit.

STATISTICS AP

Credits: ½, 1

Prerequisites: Geometry, Algebra II

Grades: 11 - 12

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be required to take the AP exam to earn one semester of introductory statistics college credit. A graphing calculator is recommended.

SCIENCE



INTEGRATED PHYSICS AND CHEMISTRY

Credits: 1
Prerequisites: None
Grades: 9 - 10

This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. The course covers the TAKS objectives for physics and chemistry.

BIOLOGY

Credits: 1
Prerequisites: None
Grades: 9 - 11

Students in Biology study a variety of topics that include structures and functions of cells and viruses, growth and development of organisms, cells, tissues, and organs, nucleic acids and genetics, biological systems, homeostasis, ecosystems, and plants and the environment.

BIOLOGY Pre-AP

Credits: 1
Prerequisites: None
Grades: 9 - 11

Biology Pre-AP is accelerated and requires more independent reading and projects than regular Biology. It is for the science student wanting to take a full year of both Chemistry and Physics. Students in Biology study a variety of topics that include structures and functions of cells and viruses, growth and development of organisms, cells, tissues, and organs, nucleic acids and genetics, biological systems, homeostasis, ecosystems, and plants and the environment.

BIOLOGY II AP

Credits: ½, 1
Prerequisites: Biology or Biology Pre-AP and Chemistry
Grades: 10 - 12

Biology II AP is a college level introductory biology course. The course reviews information from Biology and expands on these concepts. The Biology AP course is also designed to prepare the student of rigors of the AP Exam. The course reviews information from Biology and expands on these concepts. Students are expected to take AP exam in the spring.

SCIENTIFIC RESEARCH AND DESIGN

Credits: 1
Prerequisites: 1 science credit, teacher recommendation
Grades: 10

This is a course for those students in need of reinforcement in their scientific process knowledge and skills. Investigations and inquiry based labs are used throughout the curriculum. Students use their understanding of previous learning, biology, and IPC curriculum, through critical thinking and scientific problem solving to make informed decisions. This is a hands-on course that allows students to use science skills to draw their own questions, understandings, and conclusions of the TAKS curriculum.

CHEMISTRY IN THE COMMUNITY

Credits: 1
Prerequisites: 1 science credit, Algebra I, completion or concurrent enrollment in a second year of math
Grades: 10 - 12

Chemistry in the Community is a course for students who desire an understanding of chemistry and how it is used to benefit society and pollution issues affecting today's world. It is organized around societal issues involving chemistry. Students learn more organic and biochemistry than in traditional courses, as well as some environmental and industrial chemistry. Chemistry in the Community is a laboratory based science class but does not focus as heavily on the complex topics in chemistry. *This course is designed for students who will not be science majors in college and does not prepare the student for a college level chemistry course.*

CHEMISTRY

Credits: 1

Prerequisites: 1 science credit, Algebra I, completion or concurrent enrollment in a second year of math

Grades: 10 - 12

This course is highly math oriented and requires good skills in algebra and geometry. There will be a significant amount of studying and completing homework assignments. Students study a variety of topics that include: characteristics of matter, energy transformation during physical and chemical changes, atomic structure, periodic table of elements, behavior of gases, bonding, nuclear fusion and nuclear fission, oxidation reduction reactions, chemical equations, properties of solutions, acids and bases, and chemical reactions.

CHEMISTRY Pre-AP

Credits: 1

Prerequisites: 1 science credit, Algebra I, completion or concurrent enrollment in a second year of math

Grades: 10 - 12

The course is *accelerated* and requires more critical thinking skills to successfully prepare the students for Chemistry AP. There will be *projects* assigned that require outside of school time to be allocated for completion. The course is *highly math oriented* and requires *excellent skills* in basic algebra and geometry. Students study a variety of topics that include: characteristics of matter, energy transformation during physical and chemical changes, atomic structure, periodic table of elements and the trends associated with an elements location of the table, behavior of gasses, bonding, nuclear fusion and fission, oxidation-reduction reactions, chemical equations, properties of solutions, acids and bases, chemical reactions, thermodynamics and equilibrium.

CHEMISTRY AP

Credits: 1

Prerequisites: Chemistry or Chemistry Pre-AP, Algebra II

Grades: 10 - 12

Chemistry AP is designed to be the equivalent of a first year college general chemistry course. The course reviews information from Chemistry, expands on the topics, and will introduce additional concepts. Chemistry AP is also designed to prepare the student for the rigors of the AP Chemistry Exam. Students are expected to take the AP exam. *A summer problems packet reviewing Chemistry problems requiring 5-10 hours to complete is required.*

CONCEPTUAL PHYSICS

Credits: 1

Prerequisites: 1 science credit, Algebra I, completion or concurrent enrollment in a second year of math

Grades: 10 - 12

This course teaches the principles of physics in a conceptual manner. Students will study forces, motion, waves, and energy. Students will create relevant hands-on projects and laboratory applications.

PHYSICS Pre-AP

Credits: 1

Prerequisites: 1 science credit, Algebra I, completion or concurrent enrollment in a second year of math

Grades: 10 - 12

This course is accelerated and requires critical thinking skills to successfully prepare the students for Physics AP. Projects require outside school time for completion. Homework will be required daily. Students will study a variety of topics to include: laws of motion (linear, circular, and satellite), electric forces, magnetism, waves (light, sound and color), and energy. Extensive use of math concepts from Algebra II are incorporated. *A summer work packet reviewing math lab and graphing skills requiring 8-10 hours to complete is required.*

PHYSICS AP

Credits: 1

Prerequisites: Physics or Physics Pre-AP, Algebra II

Grades: 10 - 12

This course is accelerated and requires critical thinking skills to successfully prepare students for the Physics AP exam. Projects require outside school time for completion. Homework will be required daily. Students will study a variety of topics to include: laws of motion (linear, circular, and satellite), electric forces, magnetism, waves (light, sound and color), and energy. Extensive use of math concepts from Algebra II is incorporated. Students are expected to take the AP exam. *A summer work packet reviewing math and projectile motion requiring 8 to 10 hours to complete is required.*

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS

Credits: 1

Prerequisite: Biology, Chemistry

Grades: 11 - 12

Students study a variety of topics that include body structures, cell specialization, anatomy, functions, and regulating mechanisms. This course can count as the fourth science credit under the new Recommended and Distinguished Graduation Plans.

ENVIRONMENTAL SYSTEMS

Credits: 1

Prerequisites: Algebra I, Biology

Grades: 12

This course is an introduction to environmental systems. Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and environmental systems, and population dynamics.

ENVIRONMENTAL SYSTEMS AP

Credits: 1

Prerequisites: Algebra I, Biology (recommended)

Grades: 11 - 12

This course is a college-level introduction to environmental systems. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and environmental systems, and population dynamics. This course can count as the fourth science credit under the new Recommended and Distinguished Graduation Plans. Students are expected to take the AP exam.

SOCIAL STUDIES



WORLD GEOGRAPHY

Credits: 1
Prerequisites: None
Grades: 9

Students will explore the nature of geography the physical setting of the earth, the interaction of physical environments, and analyze problems peculiar to urban centers of population.

WORLD GEOGRAPHY Pre-AP

Credits: 1
Prerequisites: Advanced 8th grade English (recommended).
Grades: 9

This course expands the regular course requirements to include higher level critical thinking activities, utilizing relevant case studies and selected secondary readings. Students will prepare several well-organized writing assignments over the duration of the class.

WORLD HISTORY

Credits: 1
Prerequisites: None
Grades: 10

Students will be given the opportunity to study the development of early civilizations, historical development of Western civilization, historical development of other regions, geographic influences on world history, and developments of the 20th Century.

WORLD HISTORY AP

Credits: 1
Prerequisites: None
Grades: 10

In addition to providing a basic narrative of events and movements, the goals of World History AP are to develop: an understanding of some of the principle themes in world history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. Students will work at a level that will prepare them for the World History AP test and for the Dual Credit and AP programs at the junior and senior levels. *This class requires well developed reading skills to cope with the extensive reading of the college-level textbook.*

UNITED STATES HISTORY

Credits: 1
Prerequisites: None
Grades: 11

The students will study the emergence of the United States as a world power, demonstrate an understanding of issues and events in US History, analyze geographic influences on the historical development of the United States, identify and explain economic and social influences on the development and growth of the U.S., demonstrate an understanding of political influences on historical issues and events, and use critical thinking skills to analyze social studies information.

UNITED STATES HISTORY AP

Credits: 1
Prerequisites: None
Grades: 11

This course extends the regular level course significantly. Students registering for this course are making a 36-week commitment. There are state-required objectives for the first semester of regular US History that are not met in the first semester of AP US History; therefore, *if a student drops the AP course after the first semester, they will not receive history credit for the fall semester and will be required to take the first half of US History the following school year. The first semester of US History AP will not be averaged with the second semester of regular US History to receive credit for the entire course.* The first semester will survey American History from Pre-Columbus to the Civil War, and the second semester from Reconstruction to the present. The development and application of reading, writing, and research skills, and oral presentation as well as critical thinking activities will be stressed.

Students taking this course will be encouraged to work at a level to prepare for the AP exam and for senior level AP and dual credit courses. World History AP, World Geography Pre-AP, and English II Pre-AP are strongly recommended.

UNITED STATES HISTORY DUAL

Credits: 1

Prerequisites: Minimum passing scores on the ACCUPLACER; SAT Verbal 500, Math 500 and a composite of 1070; ACT English 19, Math 19 and a composite of 23.

Grades: 11 - 12

This course surveys US History from Reconstruction to the present. Students who successfully complete 36 weeks of this course receive both high school history credit and three hours of college credit. In this course students will use primary and secondary sources to interpret the past. Students will analyze the effects of social, economical, cultural, political, diplomatic and other relevant forces on the history of America. The course also stresses the development and application of reading, writing, research skills, and oral presentations as well as critical thinking skills. A study of national and international events is included in the curriculum. English II Pre-AP, World History AP, and World Geography Pre-AP are strongly recommended.

UNITED STATES GOVERNMENT

Credits: ½

Prerequisites: None

Grades: 12

Students will be given the opportunity to study the foundations of the U. S. political system, development of the US governmental system, structures and functions of the three branches of our government, and participation and decision making in civic affairs. A study of current national and international events will be included in the curriculum.

U.S. GOVERNMENT AP, DUAL

Credits: 1 (½ American Government: National, State and Local; ½ American Government: Problems and Policies.) In addition, successful completion for this course will allow the student to receive 6 hours of college level Government credit.

Prerequisites: Minimum passing scores on the ACCUPLACER; SAT Verbal 500, Math 500 and a Composite of 1070; ACT English 19, Math 19 and a Composite of 23.

Grades: 12

US History Dual or AP and English III AP are strongly recommended. In American Government: National, State, and Local, students will compare Texas and U.S. Constitutional development and the functions of the legislative, executive, and judicial branches of the government at the national, state, and local levels. This course stresses federalism and local government institutions. American Government: Problems and Policies includes a comparison of various theories and concepts of government, an in-depth study of public opinion, political participation, political parties, political ideologies, and interest groups, and an examination of constitutional rights including civil rights and civil liberties. Students who register for this course are making a 36-week commitment. Completion of one semester of this course will not satisfy graduation requirements. The student may opt to take the AP exam.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

Credits: ½

Prerequisites: None

Grades: 12

Students will be given the opportunity to study the American Free Enterprise System, the role of government in the American economic system, international economic relations, and consumer economics.

ECONOMICS AP: MACRO – ECONOMIC THEORY

Credits: 1 (½ AP Macroeconomics, ½ Economics Advanced Studies)

Prerequisites: Algebra II

Grades: 12

This course will include the curriculum for Advanced Placement Macroeconomics and Economics Advanced Studies. Macroeconomics is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole, with emphasis on national income, price determination, economic performance measures, economic growth, and international economics. Students can earn up to 6 hrs. of college credit by taking both Macro and Micro AP exams. Students who register for this course are making a 36-week commitment. Completion of one semester of this course will not satisfy graduation requirements.

SOCIAL STUDIES ELECTIVES

PSYCHOLOGY AP

Credits: 1 (½ Social Studies Research Methods, ½ Psychology AP)

Prerequisite: None

Grades: 11 - 12

This course will include the Advanced Placement curriculum for an introductory college course in psychology. Students will analyze the various methods, approaches, and the history of psychology. Additionally, students will examine the biological bases of behavior; sensation and perception, states of consciousness, learning, cognition, motivation and emotion, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. Students who register for this course are making a 36-week commitment. Students will receive ½ credit in Social Studies Research Methods in the fall and ½ credit in Psychology AP in the spring. Students will be expected to take the AP exam in the spring.

Pre-AP, AP, or Dual classes in Social Studies or English is recommended.

PSYCHOLOGY DUAL

Credits: ½ (3 hours college credit)

Prerequisite: Accuplacer

Grades: 11 - 12

This one semester course is for students willing to accept the rigorous academic challenge of an entry-level college course. The course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included in the content are the study of factors involved in learning, the elements of human growth and development, and applicable psychological terminology. Students will analyze the various methods, approaches, and the history of psychology. **This course is offered only at the Greater Kerrville ACCD Center. Students must meet admission requirements including qualifying scores on the Accuplacer test.**

LANGUAGES OTHER THAN ENGLISH

Enrollment in the second semester of each course is contingent upon the successful completion of the first semester.

FRENCH I

Credits: 1
Prerequisites: None
Grades: 9 – 12

A beginning course teaching the fundamentals of French language and culture. Students will learn pronunciation, basic reading comprehension, simple conversations (dialogues and skits), and simple listening comprehension. No previous knowledge of French is expected. Some cultural topics include travel in France, school systems in France, and French foods.

FRENCH II

Credits: 1
Prerequisites: French I
Grades: 10 – 12

A continuing course further developing the basic forms of communication: speaking, reading, writing, and listening comprehension. There will be a continued study of French culture including geographic features, political and economic systems, specific customs, and traditions.

FRENCH III Pre-AP

Credits: 1
Prerequisites: French II
Grades: 11 – 12

The emphasis is on practical, everyday French through literary and cultural readings. The student will be expected to speak French and write more comprehensive papers in French. By the end of the course, the student should be familiar with all basic French grammar. Students will begin preparing to take the AP French Language Exam by practicing activities that follow the exam format. There will be further studies of French history, geography and philosophy.

FRENCH IV AP

Credits: 1
Prerequisites: French III
Grades: 12

Students can expect this class to be conducted entirely in French. Students will continue preparation for taking the AP French Language Exam. This independent study course will provide opportunities for exploring French history, art, literature, and culture. Independent projects and presentations will allow student to demonstrate language proficiency at advanced levels.

GERMAN I

Credits: 1
Prerequisites: None
Grades: 9 - 12

German I covers fundamentals of the German language and culture without the need for any previous knowledge of the German language. The student will comprehend both oral and written language as well as speak about topics familiar to them. Themes are concrete and pertinent to student interest and usage and generally related to student interests and needs. This course emphasizes reading, writing, speaking, and oral comprehension.

GERMAN II

Credits: 1
Prerequisites: German 1
Grades: 9 - 12

German II expands the abilities of students from German I. Themes are more abstract, but generally related to student interests and needs. Continuing with the development of the basic forms of communication, this course emphasizes reading, writing, speaking, and oral comprehension.

GERMAN III

Credits: 1
Prerequisites: German II
Grades: 10 - 12

German III continues to expand student abilities. Topics include political and geographic areas of Germany, as well as environmental and judgmental problems. Although themes become more abstract, students master most German grammar.

GERMAN IV

Credits: 1
Prerequisites: German III
Grades: 10 - 12

Largely an independent study course, students will greatly enhance their reading and writing ability through native readings. Extensive writing and reading concerning modern day German problems allows students to expand their German abilities while staying current in modern events. Internet and other German sources will be explored. The political, geographic, and economic events in Germany will also be studied.

SPANISH I

Credits: 1
Prerequisites: None
Grades: 9 - 12

Beginning at the most basic level, the student does not need to have any previous knowledge of the Spanish language in order to be successful. Students will learn vocabulary and language structures needed to communicate about daily experiences. An emphasis on listening, oral proficiency and language study skills provides the non-native speaker opportunities to establish a good foundation for further language study. It provides the student who has some language experience a variety of opportunities to practice and improve language skills.

SPANISH II

Credits: 1
Prerequisites: Spanish 1
Grades: 9 - 12

This is an intermediate course for students who have taken Spanish 1 or have received credit by exam. Students will be expected to master simple expressions and vocabulary to conduct daily conversation on familiar topics. In order to achieve these goals, students will engage in a variety of activities, including skits, games, songs, practice drills, workbook activities, and journal writing. Students will be assessed in a variety of ways including oral participation, written quizzes, projects, tests (oral and written), compositions and notebooks.

SPANISH II Pre-AP

Credits: 1
Prerequisites: Spanish I
Grades: 9 - 12

A demanding, fast-paced course of study to begin to prepare students interested in taking the AP Spanish Language Exam. Students will be expected to speak as much Spanish as possible in class. Activities will focus on knowledge and skills that directly relate to the AP Spanish Language Exam. All major grammatical structures and a wide range of vocabulary will be presented. Students should expect much of the class to be conducted in Spanish

SPANISH III

Credits: 1
Prerequisites: Spanish II or Spanish II Pre-AP
Grades: 10 - 12

The emphasis of this course is mastery of basic grammatical structures and vocabulary that relate to daily experiences. Students are expected to work toward proficiency of advanced grammatical structures and vocabulary. A variety of opportunities are provided to improve reading comprehension, listening, writing, and speaking skills as well as language study skills and culture. An important goal of the course is to prepare students for university-level Spanish study.

SPANISH III AP LANGUAGE

Credits: 1

Prerequisites: Spanish II or Spanish II Pre-AP

Grades: 10 - 12

A demanding, fast-paced course of study dedicated to continuing preparation for the AP Spanish Language Exam and including some preparation for the AP Spanish Literature Exam. Students will work toward mastery of all basic grammar structures and proficiency in many advanced structures. Grammar and a wide range of vocabulary will be practiced in a variety of ways mainly following the AP Spanish Language format. Reading and listening activities will be drawn from the list of AP Spanish Literature Exam authors. Spanish will be the primary language utilized in the course by both students and instructor.

SPANISH IV AP LANGUAGE

Credits: 1

Prerequisites: Spanish III Pre-AP

Grades: 11 - 12

Students will prepare to take the AP Spanish Language Exam. Students will read and discuss literary selections in order to improve speaking and reading skills. Grammar and vocabulary will be refined to accomplish a variety of communication tasks including writing and speaking in formal and informal registers. There will be many opportunities to practice for the AP Spanish Language Exam. Students should expect the entire class to be conducted in Spanish. Students will be expected to speak Spanish as much as possible.

SPANISH V AP LANGUAGE

Credits: 1

Prerequisites: Spanish IV AP

Grades: 12

Students will continue to prepare to take the AP Spanish Language Exam. All language skills previously acquired will be used to read novels, short stories, poems and a variety of literature both contemporary and classical. An emphasis on reading and writing on a philosophical basis provides the core of this course. Written communication will include songs, summaries, journals of daily experiences, reports on authors, culture, history, and literary styles, persuasive and informational letters, plays, poetry, and a short story. Students should expect the entire class to be conducted in Spanish. Students will be expected to speak Spanish as much as possible.

SPANISH I FOR HERITAGE SPEAKERS

Credits: 1

Prerequisites: Student's first language is Spanish

Grades: 9 - 12

Student will be approved through an interview process. This course is an introductory course for Spanish speakers dedicated to learning more about the Spanish language. The focus will be on learning grammar and writing skills through literature. The course will concentrate on spelling, structure of the language, reading to analyze literature and research in Spanish. Students will be required to speak Spanish to discuss not only daily activities, but issues of a philosophical nature. Students will be encouraged to take the AP Spanish Language Exam. Este curso es una introducción para hispanohablantes dedicada al aprendizaje del idioma español. Se enfoca en aprender la gramática y la escritura por medio de la literatura. El curso se concentra en el deletreo, la estructura del idioma, el arte de leer para analizar la literatura y escribir informes investigativas en español. El curso requiere que los estudiantes tengan más que conversaciones personales, sino discursos de filosofía. Los estudiantes en esta clase deben tomar el examen de AP Spanish Language.

SPANISH II FOR HERITAGE SPEAKERS

Credits: 1

Prerequisites: Spanish I for Heritage Speakers

Grades: 9 - 12

This course will continue the grammar and writing skills introduced in Spanish I for Heritage Speakers. Novels, plays, poetry and short stories will be read and discussed and researched. Students will be encouraged to take the AP Spanish Language Exam. Este curso continuará el estudio de la gramática y la composición comenzado al nivel I. Se leerán, se estudiarán, y se discutirán las novelas, las comedias, la poesía y los cuentos cortos para analizar y comparar los elementos de la literatura. Los estudiantes deben tomar el examen de AP Spanish Language al fin del año.

SPANISH III FOR HERITAGE SPEAKERS AP SPANISH LANGUAGE

Credits: 1

Prerequisites: Spanish II for Heritage Speakers

Grades: 10 - 12

A course of study dedicated to continuing preparation for the AP Spanish Language Exam and including some preparation for the AP Spanish Literature Exam. Students will be provided a variety of activities mainly following the AP Spanish Language format. Reading and listening activities will be drawn from the list of AP Spanish Literature Exam authors. Vocabulary and grammar will be refined to accomplish a variety of communication tasks including writing and speaking in formal and informal registers. Students are encouraged to take the AP Spanish Language Exam and the AP Spanish Literature Exam at the end of this course. Este curso se dedica a la continuación de la preparación para tomar el examen de AP Spanish Language e incluye preparación para el examen de AP Spanish Literature. Los estudiantes tendrán una variedad de actividades que son como las actividades que se encontrarán en el examen. Las lecturas y actividades de escuchar vendrán de la lista de literatura del examen de AP Spanish Literature. Se perfeccionarán el vocabulario y gramática para cumplir con una variedad de actividades comunicativas incluyendo escribir informes formales y dar discursos formales. Los estudiantes deben tomar el examen de AP Spanish Language y el examen de AP Spanish Literature al fin de este curso.

INTERRELATED ARTS



ART I

Credits: 1
Prerequisites: None
Grades: 9 - 12

Art I is designed for beginning art students who wish to continue studies started in middle school. The first semester will include the study of the Elements of Art and the Principles of Design in order to establish a foundation and a vocabulary for producing and evaluating work. Art I will provide students with opportunities to put skills and information learned to form. A variety of media will be used for multi-dimensional work. Students will study Art History from Renaissance to the 20th Century periods.

ART II (Sculpture)

Credits: 1
Prerequisites: Art I (grade of 90+ recommended)
Grades: 9 - 12

Art II is designed for those students who wish to extend their studies from Art I. Emphasis will be on developing multi-dimensional media through exploring 20th Century Art History and theory.

ART III (Drawing)

Credits: 1
Prerequisites: Art II (grade of 90+ recommended)
Grades: 10 - 12

Art III is offered for the student with a sincere interest of the study of art. Emphasis will be the refinement of technical skills the first semester and three-dimensional projects, the students will be exposed to three-dimensional projects they have not yet experienced (i.e. jewelry, wax, batik) the

ART IV (Painting)

Credits: 1
Prerequisite: Art III (grade of 90+ recommended)
Grades: 10 - 12

Art IV is designed primarily for the advanced student who wishes to work in areas of special interest. Opportunities to explore art careers and art development will be provided as a part of the Art IV program.

FINE ART PHOTOGRAPHY

Credits: 1
Prerequisites: Art I
Grades: 11 - 12

This course will concentrate on photography as an art form and as another medium used to express and to create. Topics include: camera mechanics, developing and printing in the darkroom, lighting techniques, and studio work. Course includes wet dark room and digital processing. Digital photography is combined with traditional photography. *Students must have a 35 mm camera (with detachable lens) and a digital camera (3 megapixels or better).* Lab fee required.

DANCE I

Credits: ½, 1 (fine arts credit and PE waiver)
Prerequisites: None
Grades: 9 - 12

This course offers an introduction to basic dance techniques. Included are flexibility exercises, posture/alignment, and basic dance movements of Jazz, Ballet, and Drill Team. This class is not mandatory for drill team membership, nor does it ensure a position on the squad.

DANCE II, III, and IV

Credits: ½, 1 (fine arts credits and PE waiver)

Prerequisites: Dance I

Grades: 10 – 12

These courses expand on the dance techniques of Dance I, including Hip Hop, Lyrical/Modern, High Kick and Social Dance forms. These courses will place an emphasis on creative expression and performance through the use of choreographic elements. These courses will expose the students to the historical and cultural heritage associated with the various dance styles.

GOLDEN GIRLS

Credits: ½, 1 (fine arts credit and PE waiver)

Prerequisites: None

Grades: 9 – 12

Girls will be eligible to try out provided they meet requirements. Candidates must demonstrate their ability before a panel of judges. Members must, at the time of application and throughout membership, be passing all subjects or risk being put on probation.

1. Members will meet during class as well as mandatory after school practice during the year.
2. Members must attend dance team camp during summer and a preschool training session.
3. Members will receive training in dance, physical fitness, and leadership.
4. Members must participate in fundraising projects to help defray expenses and uniforms.
5. Members must be responsible for paying for camp expenses and specified uniform accessories and practice outfits.
6. This is a full year commitment. Golden Girls will perform at football games, basketball games, competitions, and the end-of-year recital.

BAND

BAND I, II, III, IV

Credits: ½, 1 (fine arts credit and ½ fall PE waiver)

Prerequisites: Middle School Band or band from another school

Grades: 9 - 12

Students are placed by audition. The band program is divided into Honors Band and Symphonic Band. Placement is by audition. The Honors and Symphonic Bands are combined to make the Marching Band. Marching rehearsals are primarily after school. Students involved in Athletics may participate in Band. Band students are given the opportunity to participate in a wide range of performance and competitive events as a group and also as individuals. Marching Band students are required to attend summer band rehearsals during August prior to the beginning of school. Band students are graded on attendance, class participation, and required assignments. Members are responsible for loss or damage to the band uniform and school-owned instruments. One-half PE credit waiver is received through participation in the Marching Band.

DANCE I, II, III, IV (COLORGUARD)

Credits: 1 (fine arts credit and PE waiver)

Prerequisites: Audition or transfer from another school

Grades: 9 - 12

Colorguard meets as a school class and rehearses after school as a part of the marching band. Colorguard members are required to attend summer rehearsals in August prior to the beginning of school. During marching season, the Colorguard attends all marching band activities and performances. After football season, the Colorguard continues meeting during class time in preparation for the Winter Guard season. Students should be aware that Colorguard is a physically demanding activity before enrolling in the class.

JAZZ BAND I, II, III, IV

Credits: ½, 1

Prerequisites: Member of Tivy Band program, audition

Grades: 9 - 12

Students are placed by audition. Stage Band allows the student to explore the musical styles of jazz including rock, Latin, Jazz, Dixieland, & Blues. Students also get the opportunity to learn the basics of improvisation and jazz solo techniques. Members of this ensemble are required to perform at multiple community events throughout the year.

APPLIED MUSIC I, II (INSTRUMENTAL)

Credits: ½, 1

Prerequisites: Member of Tivy Band program

Grades: 10 - 12

Applied Music shall include the following essential elements:

1. Private study. The student shall be provided opportunities to study the chosen instrument in a one-to-one student/teacher relationship.
2. Study of solo literature. The student shall be provided opportunities to study three solo selections from more than one musical style and historical period; and to accept assignments on an individualized basis for optimal progress in style and interpretation.
3. Study of technical literature. The student shall be provided with opportunities to study etudes; and to memorize scales; and accept assignments made on an individual basis for optimal progress in performance, skills and facility.
4. Performance examination. The student shall be provided opportunities to submit a performance examination (memorized solo selections and prepared technical literature and scales) to qualified examiners chosen by the school, for grade and credit.
5. Solo contests may be assigned as deemed appropriate by the director.
6. Study Music Theory in Group Lessons.

INTERMEDIATE / ADVANCED ORCHESTRA

Credits: 1

Prerequisites: Audition

Grades: 9 – 12

This is a full-year course for students with previous experience on a string instrument (violin, viola, cello, bass). This performance-oriented class requires two evening concerts in the fall semester and two evening concerts in the spring semester. Students will also have the opportunity for advanced enrichment with participation in Region Honor Orchestra and All-State Orchestra auditions and High School Solo and Ensemble Contest.

CHOIR

Membership in the Tivy High School Choir program is open to all Tivy High School students. Previous choir experience is not required. Every student interested in Choir at Tivy High School is auditioned by the choir director and is placed in the choral group which is best suited to his/her needs, abilities, and vocal maturity. Members are required to attend all concerts, extra rehearsals, and contests as scheduled by the director. Due to the nature of fine arts classes, much of the grading is subjective. A large percentage of the grade is determined by attitude, effort, performances (individual and group), and the director's assessment of the student's improvement from one grading period to the next. Other considerations for grading points are awarded during each grading period to those students who are part of the various audition processes or other music competitions. In addition to the traditional concerts, a typical choir student can experience different events during their tenure with the Tivy choirs. These experiences might include out-of-town competition trips, performing in a Broadway musical, and singing at professional sports events.

APPLIED MUSIC I, II (VOCAL)

Credits: ½, 1

Prerequisites: Member of Tivy Choir program

Grades: 10 - 12

Applied Vocal Music shall include the following:

1. Private study. The student shall be provided opportunities to study voice in a one-to-one student/teacher setting; have an opportunity for individual vocal study.
2. Study of solo literature. The student shall be provided opportunities to study and memorize solo selections from varying music styles and historical periods; accept assignments on an individualized basis for optimal progress in performance skills and facility.
3. Study of basic music theory. The student shall have the opportunity to learn basic music theory, harmony, and ear training.

MUSIC I, II, III, IV (TREBLE)

Credits: ½, 1

Prerequisites: None

Grades: 9 - 12

Students are placed by audition. This Choir is a treble ladies' ensemble. Students will learn vocal technique, music reading skills, stage presence, and will be given opportunities to perform in both solo and group settings. The choir will participate in all concerts and contests as scheduled by the director. Students may also have the opportunity to participate in individual TMEA and UIL events. This course may be repeated as desired with the director's approval.

MUSIC II, III, IV (ADVANCED TREBLE)

Credits: ½, 1

Prerequisites: None

Grades: 10 - 12

Choir 3 is advanced varsity treble ladies' ensemble. This choir is designed to challenge the most highly motivated choral students. Students will learn advanced vocal techniques, music reading skills, stage presence, and will be given opportunities to perform in solo, ensemble, and group settings. The choir will participate in all concerts and contests as scheduled by the director. Members will have the opportunity to participate in TMEA and UIL events, including the three levels of the All-State Choir process and Solo and Ensemble. This course may be repeated with the director's approval. Students are placed by audition.

MUSIC I, II, III, IV (TENOR-BASS)

Credits: ½, 1

Prerequisites: None

Grades: 9 - 12

Students are placed by audition. The Tenor Choir is the varsity tenor-bass men's ensemble. This choir is designed to challenge the most highly motivated choral students. Students will learn advanced vocal techniques, music reading skills, stage presence, and will be given opportunities to perform in solo, ensemble, and group settings. The choir will participate in all concerts and contests as scheduled by the director. Members will have the opportunity to participate in TMEA and UIL events, including the three levels of the All-State Choir process and Solo and Ensemble. This course may be repeated with the director's approval.

VOCAL ENSEMBLE I, II, III, IV

Credits: ½, 1

Prerequisites: Current member of Tivy choir program

Grades: 9 - 12

Students are placed by audition. Vocal Ensemble Choir is a vocal group that functions as a public relations organization for the school. Performances are scheduled at various times during and after school. Performance demands will be realistic with appropriate notice given, but will require commitment and dedication from each student. Music studied will focus on contemporary vocal styles including pop, Broadway, jazz, and show choir. Solos, ensembles, and dance choreography will be part of the class experience. This course may be repeated as desired with the director's approval.

THEATRE ARTS

THEATRE ARTS I

Credits: 1

Prerequisites: None

Grades: 9 - 12

Theater Arts I is a fine arts course for any student with an interest in the performing arts. Emphasis will be placed on stage movement, vocal development, acting, basic technical theater skills (including stage lighting, sound, stage make-up, properties, and set design), theater history, and play cutting.

THEATRE ARTS II, III, IV

Credits: 1

Prerequisites: Theatre Arts I, II, or III

Grades: 9 - 12

Theatre Arts II, III, IV is a fine arts course for the student with a serious interest in the performing arts. The course

will focus on excellence in performance. The course will emphasize advanced acting, vocal development, advanced technical theater skills, play cutting, play direction, play writing, and advanced stage movement. The class will mount productions and will explore a variety of theatrical production styles selected from readers' theater, children's theater, comedy, and classical and contemporary drama.

THEATRE PRODUCTION I, II, III

Credits: ½, 1

Prerequisites: None

Grades: 10 - 12

Students are placed by an audition. Theatre Production I, II, III is a fine arts course that will focus on play production. Interested students may audition for the UIL One Act play. This class will mount productions and will explore a variety of theatrical production styles.

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)

Air Force Junior ROTC is an internationally accredited leadership program.* Each class includes training in three areas: Leadership, Aerospace, and Wellness. The leadership laboratory includes instruction in principles of leadership and followership, verbal and nonverbal communication, listening skills, and respect for authority. Aerospace covers aviation history, global and cultural studies, science of flight, and the exploration of space. Wellness focuses on developing an individualized fitness program for each student with the goal of improving personal health. Students form a Cadet Corps. Leadership positions are earned based on experience, excellence and achievement. Students provide community service, take field trips to military installations and museums, and participate in a variety of group activities. A uniform is loaned to each student at no cost and must be returned at the end of the year. Proper wear of the uniform is required once a week. Students can earn college credits from the University of Colorado at Colorado Springs for each year of AFJROTC. This course is an elective credit with a PE waiver.

* Accredited by *The Commission on International and Trans-Regional Accreditation* in Nov 2005.

ROTC I

Credits: 1 (1 elective credit with a PE waiver)

Prerequisites: None

Grades: 9 -12

This is the basic course for all new AFJROTC students. The three components of the first year class include: (1) Leadership – Air Force Customs and Courtesies, (2) Aerospace – the History of Aviation, and (3) Wellness – Individual Basic Health, Fitness and Conditioning Program

ROTC II

Credits: 1 (1 elective credit with a PE waiver)

Prerequisites: ROTC I

Grades: 10 - 12

For second year JROTC students. The three components of the second year class include: (1) Leadership - Communication Skills, (2) Aerospace – Global and Cultural Studies, and (3) Wellness – Individualized Intermediate Level Fitness and Conditioning Program

Students begin to hold positions of leadership and responsibility that contribute to managing the Cadet Corps. Students may be placed in available JROTC classes to conduct management of the Corps. They assist instructors and obtain leadership and management experience.

ROTC III

Credits: 1 (1 elective credit)

Prerequisites: ROTC II

Grades: 11 - 12

For third year JROTC students. The three components of the third year class include: (1) Leadership – Career Opportunities and Life Skills, (2) Aerospace – the Science of Flight , and (3) Wellness – Individualized Intermediate or Advanced Fitness and Conditioning Program

Cadets hold positions of leadership in the cadet organization. Students may be placed in available JROTC classes to conduct management of the Corps. They assist instructors and obtain leadership and management experience.

ROTC IV

Credits: 1 (1 elective credit)

Prerequisites: ROTC III

Grades: 12

For fourth year JROTC students. The three components of the fourth year class include: (1) Leadership – Principals of Management, (2) Aerospace – Management of the Cadet Corps, and (3) Wellness – Individualized Advanced Fitness and Conditioning Program

Cadets hold positions of leadership in the cadet organization. Students may be placed in available JROTC classes to conduct management of the Corps. They assist instructors and obtain leadership and management experience.

PHYSICAL EDUCATION, HEALTH, AND ATHLETICS



Physical Education waivers or equivalent credits are available. Physical education requirements for students enrolled in Career and Technology Career Preparation Programs, two- or three-hour laboratory programs, marching band, drill teams, cheerleaders, athletics, or ROTC may be waived and/or receive equivalent credit.

PHYSICAL EDUCATION I, II

Credits: ½ - 1 ½

Prerequisites: None

Grades: 9 - 12

This course offers an opportunity for students to develop physical fitness while attaining basic knowledge and skills in a variety of activities, including individual, dual and team sports. Activities include: softball, flag football, soccer, basketball, track & field, badminton, volleyball, bowling, hockey, and ping pong.

FOUNDATIONS OF PERSONAL FITNESS

Credits: ½

Prerequisites: None

Grades: 9 - 12

This course represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health. Skills taught in this course include the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by students designing their own personal fitness program.

HEALTH

Credits: ½

Prerequisites: None

Grades: 9 - 12

This course covers the following basic areas related to the health of the human body: nutrition, mental health, substances that modify behavior, prevention of disease, chronic health conditions, environment and community health, accident prevention, and family life. Successful completion of semester course is required for graduation.

OFF CAMPUS COMMERCIALY SPONSORED PE

Credits: ½ - 1.5

Prerequisite: Approval from campus administrator, signed documentation from professional trainer

Grades: 9-12

Students involved in Olympic level participation for a minimum of 15 hours per week with professionally supervised trainer or students involved in well-supervised physical activity with high quality instructors for a minimum of five hours a week may receive PE credit if approved by campus administrator and district personnel. Please see school counselor for information and appropriate forms.

ATHLETICS

The athletic program at Tivy is designed for the student who can keep up with his/her studies while spending two hours per day practicing and/or participating in events which sometimes requires missing classes during the school day. Athletes are required by state law to have passing grades in all classes. All athletes are required to pass a physical examination and have a parental approval form on file in the Athletic Director's office. Athletes are required to be in training during the season. No alcoholic beverages, narcotics, tobacco products, or disobeying any training rules will be tolerated.

FRESHMAN ATHLETICS – BOYS, GIRLS

Credits: ½, 1

Prerequisites: Refer to introduction

Grades: 9

This is a highly accelerated class to prepare boys and girls for UIL competition in sports. Activities include: Football, Golf (tryout required), Girl's Softball, Basketball, Cross Country (1st semester only), Baseball, Tennis, Soccer, Track (2nd semester only), and Volleyball.

ATHLETICS – BOYS, GIRLS

Credits: ½ - 2

Prerequisites: Refer to introduction

Grades: 10 - 12

This is a highly accelerated class to prepare boys and girls for UIL competition in all sports. Activities for this course include: Football, Golf (tryout required), Girl's Softball, Basketball, Cross Country (1st semester only), Baseball, Tennis, Soccer, Track (2nd semester only), and Volleyball.

CHEERLEADERS

Applicants must maintain membership grade standards set by the State for all extra curricular activities. Grades will be checked at each grade-reporting period. A panel of judges selects cheerleaders in the spring of each year. Attendance at all home and out-of-town football, home volleyball, and home basketball games is required. Members must abide by the spirit organization travel procedures. Members are responsible for loss or damage to the uniform. Members must supply the remaining accessories of the uniform (shoes, gloves, blouse, etc.). Members must abide by the rules and regulations of the organization and the school as stated in the constitution. Students not meeting the requirements will be subject to removal from the organization.

CHEERLEADERS

Credits: 1 (½ fall PE credit; ½ spring local)

Prerequisites: None

Grades: 9 – 12

Tryouts will be open to any girl in school who meets the grade standards. Candidates will demonstrate ability before a panel of judges. Varsity cheerleader candidates must be of sophomore or junior class standing. JV candidates must be in the freshmen class. Freshmen cheerleaders are selected from 8th graders who try out in the spring of their 8th grade year. Members must, at the time of application and throughout membership, be passing all subjects and meet the standards of conduct as designated in the Spirit Constitution.

1. Cheerleaders must attend cheerleader camp and scheduled practices during the summer.
2. Be responsible for pep rally under supervision of sponsor.
3. Members will meet during the cheerleading period as well as before or after school when necessary.
4. Must participate in fundraising projects to help defray expenses for uniforms and supplies.
5. Must be responsible for paying camp expenses and specified uniform accessories and practice outfits.

CAREER AND TECHNOLOGY DEPARTMENT



Career and Technology education courses at Tivy High School are designed to prepare students for employment and living as productive citizens. Fields of study include career pathways that prepare students in the areas of Agriculture and Natural Resources; Information Technology; Arts, A/V Technology and Communications; Health Science; Marketing and Business; Architecture and Construction; Manufacturing and Transportation; and Human Services. Guidance services include aptitude and interest testing and guest speakers from a wide variety of occupations. With careful scheduling of academic and Career and Technology courses, students may, after high school graduation, have the following options: (1) immediate employment, (2) technical school opportunities for further

training, or (3) college or university study. It is the thinking of many business, industrial, and educational leaders that every student should be exposed to occupational training before graduating from high school.

Career & Technology Courses That Can Count For Technology Applications Credit Include:

Technology Systems, Computer Applications, Business Computer Information Systems (BCIS), Business Image Management & Multimedia (BIMM)

Other courses that also count for technology applications credit:

Multimedia, Digital Graphics and Animation, Yearbook I, Newspaper 1

ADVANCED TECHNICAL CREDIT (ATC)

The Advanced Technical Credit program allows junior and senior students completing certain courses at Tivy to receive credit at fifty-three statewide junior colleges. A list of these colleges and the courses is available from your counselor. Other criteria for receiving this credit include meeting all attendance requirements and receiving an 80 or above for the course. There are presently several courses taught by CTE teachers that are ATC certified. Courses having the ►ADVANCED TECHNICAL CREDIT◀ indicator in the course descriptions will be available for ATC credit.

BUSINESS TECHNOLOGY & MARKETING CAREERS

KEYBOARDING

Credits: ½
Prerequisites: None
Grades: 9 - 12

Keyboarding prepares students to operate the keyboard by touch and begin development of acceptable speed and accuracy levels. The purpose of the keyboarding class is to teach the “touch” keyboarding skill, proper formatting of documents for personal and business use and to give opportunities for students to apply their keyboarding skills in “real life” situations.

ACCOUNTING I

►ADVANCED TECHNICAL CREDIT◀

Credits: 1
Prerequisites: None
Grades: 10 - 12

Accounting I introduces students to accounting concepts, principles, and procedures and increases their business vocabulary. Activities include working with journals, ledgers, worksheets, and financial statements for a proprietorship and partnership. Automated accounting is introduced through computer problems and spreadsheets are introduced through Excel.

BUSINESS COMPUTER INFORMATION SYSTEMS I (BCIS I)

►ADVANCED TECHNICAL CREDIT◀

Credits: 1 (This course satisfies the required technology credit)
Dual credit is available for 11th or 12th grade students. Dual credit students must meet minimum admission requirements to St. Phillips College. The Accuplacer test is required.
Prerequisites: Keyboarding or keyboarding proficiency
Grades: 10 - 12

Business Computer Information Systems I prepares students to apply technology skills to personal/workplace business situations focused on word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, networking operating systems, and emerging technologies. Students complete the course with an intermediate level skill in word processing, spreadsheet, and database applications. Class is taught in an Internet lab. Microsoft Office Specialist certification offered.

BUSINESS COMPUTER INFORMATION SYSTEMS II (BCIS II)

Credits: 1
Prerequisites: BCIS I
Grades: 10 - 12

Students will research the World Wide Web and use advanced level technology skills in Word, web page design, Access relational database, Excel advanced functions, and Power Point & Hyperlinks to complete business environmental projects. Class is taught in an Internet lab. Microsoft Office Specialist certification offered.

BUSINESS IMAGE MANAGEMENT AND MULTIMEDIA (BIMM)

Credits: 1
Prerequisites: Keyboarding
Grades: 10-12

Students recognize, evaluate, and prepare for the rapidly evolving global business environment. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment.

MARKETING YOURSELF

Credits: ½
Prerequisites: None
Grades: 9 - 12

Students have only one opportunity to make a good, first impression. In Marketing Yourself, students will learn how they can affect what they become. This portfolio-based, personal development course will provide students with the opportunity to discover how personal qualities relate to successful performance. Students will create a portfolio that represents their abilities and accomplishments. The portfolio is designed to showcase special talents and to disclose eligibility for college admission, scholarships, or other programs and work readiness. Students will be prepared to put their best foot forward as they get ready to venture into a job or college.

ADVERTISING

Credits: 1
Prerequisites: None
Grades: 10 - 12

A technical course which focuses on the concepts and skills associated with the dynamic advertising industry. Some commonly used media for advertising are TV, radio, newspapers, magazines, and billboards. New areas are emerging within advertising like event management, image management, and internet marketing. Advertising helps to create demand, promote marketing system and boost economic growth. Students will learn the goals and objectives of advertising, identify and analyze advertisements, select media, and develop advertisements.

CAPSTONE I, II

Credits: 1 - 2 (local)
Prerequisites: None
Grades: 11 – 12

Students build resumes and meet college and scholarship standards by volunteering in our community. Students will be placed in volunteer positions within schools and nonprofit organizations where their talents and services are needed.

AGRICULTURAL SCIENCE AND TECHNOLOGY CAREERS

INTRO TO AGRICULTURAL SCIENCE & TECHNOLOGY (AGRISCIENCE 101)

Credits: ½
Prerequisites: None
Grades: 9 - 12

A comprehensive course of study in the broad field of agriculture/agribusiness. 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 and personal and communication skills.

APPLIED AGRICULTURAL SCIENCE & TECHNOLOGY (AGRISCIENCE 102)

Credits: ½

Prerequisites: Intro to Ag Science and Technology (Agriscience 101)

Grades: 9 - 12

Topics of instruction include essential knowledge and skills in plant science, animal science and technology, principles of food science technology, basic mechanical skills in agricultural applications, agriculture and environmental science, and personal and agricultural business management.

INTRODUCTION TO AGRICULTURAL MECHANICS (AGRISCIENCE 221)

Credits: ½

Prerequisites: Agriscience 101/102

Grades: 10 - 12

This exploratory course introduces students to agricultural mechanics with emphasis on basic theory and technical skill development. Topics and skill areas include safety, tool identification, carpentry, electricity, plumbing, masonry, fencing, painting, and hot and cold metal skills.

AGRICULTURAL METAL FABRICATION TECHNOLOGY (AGRISCIENCE 322)

Credits: ½

Prerequisites: Agriscience 101/102, Agriscience 221

Grades: 10 - 12

This course develops technical skills in metal fabrication and joining processes through classroom instruction and laboratory activities. AWS certification for entry-level welders is offered.

AGRICULTURAL MECHANICS I (AGRIBUSINESS 422)

Credits: 1

Prerequisites: Agriscience 221 and 322

Grades: 11 - 12

This covers the technical skills and scientific concepts necessary in agribusiness. The course focuses on soil and water management, electrification, oxyfuel and electric cutting and welding, concrete construction, building planning and construction, and small engine, equipment, and machinery maintenance and repair.

WILDLIFE AND RECREATION MANAGEMENT (AGRISCIENCE 381)

(will be offered in even fall semesters only)

Credits: ½

Prerequisites: Agriscience 101/102

Grades: 10 - 12

This course examines the importance of wildlife and outdoor recreation. The emphasis is on the sound management of wildlife and all natural resources in a way that promotes continued use. Safety education programs for hunters, boaters and anglers are emphasized.

Hunter Education Certification offered. Extra curricular participation in AG Clay Program at the Hill Country Shooting Sports Center is available if enrolled in this class.

RANGE MANAGEMENT & ECOLOGY (AGRISCIENCE 382)

(will be offered in odd spring semesters only)

Credits: ½

Prerequisites: Agriscience 101/102

Grades: 10 - 12

This course will familiarize the student with the management and ecological aspects of rangelands. Students study and develop technical skills in renewable natural resources, range plants, ecosystems, water cycle, range conditions, carrying capacities, livestock management, wildlife management, and research.

ANIMAL SCIENCE (AGRISCIENCE 332)

Credits: ½

Prerequisites: Agriscience 101/102

Grades: 10 - 12

This 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.

EQUINE SCIENCE

Credits: ½

Prerequisites: Agriscience 101/102

Grades: 10 - 12

This course analyzes horse selection, feeding handling, care, breeding, and other management techniques.

CANINE SCIENCE

Credits: ½

Prerequisites: Agriscience 101/102

Grades: 10 - 12

This course is designed to provide students with an in-depth look at the care, breeding and raising of dogs. The course will address responsibility of dog ownership, selection of breed, anatomy, health and care of dogs, training and handling of dogs, genetics and breeding of dogs, and career opportunities.

INTRO TO VETERINARY ASSISTANT TECHNOLOGY

Credits: ½

Prerequisites: Canine Science

Grades: 10 - 12

This course provides training in the unlicensed veterinary assistant field. This course includes, animal handling and restraint, health and safety, sanitation, surgical preparation, anatomy, physiology, medical terminology, infectious diseases, vaccine preparation and injection techniques, veterinary laws and ethics. Students will also learn veterinary office procedures.

HORTICULTURE PLANT PRODUCTION

Credits: ½

Prerequisites: None

Grades: 9 - 12

This course will cover topics ranging from plant identification to greenhouse operation. Students will propagate and maintain a variety of plants.

LANDSCAPE DESIGN, CONST. & MAINT.

Credits: ½

Prerequisites: None

Grades: 9 - 12

A course designed to develop skills in the design, construction, and maintenance of planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.

FLORAL DESIGN AND INTERIOR LANDSCAPE DEVELOPMENT (AGRISCIENCE 363)

Credits: ½

Prerequisites: None

Grades: 9 - 12

Floral Design and Interior Landscape Development is a technical course that prepares students to design and arrange floral materials and tropical and blooming plants for special occasions and for use and placement in interior locations. Topics of instruction include identification and classification of fresh-cut floral materials; fresh flower and foliage care and handling; design principles, elements and mechanics; and the construction of basic geometry designs, boutonnières, and corsages using fresh-cut, dried, and/or permanent floral materials. Also included is related information on tropical foliage and blooming plant identification, interior landscape design, cultural requirements and tasks for maintaining healthy interior plants and safe work practices.

ADVANCED FLORAL DESIGN (AGRISCIENCE 365)

Credits: ½

Prerequisites: Floral Design

Grades: 9 - 12

Advanced Floral Design is a technical course that examines floral design and its relation to contemporary designs, business practices, specialty items, creativity and careers in the floral industry. Major areas of emphasis in this course include the design and construction of wedding and sympathy arrangements, arrangements for holidays and special occasions, and contemporary and artistic interpretation designs. Related topics include floral business operations and consultations, design techniques, and specialty cut flower identification and classification.

FAMILY AND CONSUMER SCIENCES

PERSONAL AND FAMILY DEVELOPMENT

Credits: 1

Prerequisites: None

Grades: 9 - 12

This course includes six main areas: food, nutrition, money management, sewing, child development, and family living. Emphasis is placed on daily living skills for teens and preparation for adult family life. Topics of concerns addressed are: taking responsibility for actions, caring for children, nutrition, decision making, managing time and money, and clothing construction. Students put knowledge to practical use in laboratory situations.

PREPARATION FOR PARENTING

Credits: ½

Prerequisites: None

Grades: 10 - 12

This is a laboratory course designed for students to acquire background knowledge needed for effective parenting. The development of the child is included. Laboratory and observation in off-campus daycare and pre-schools reinforce the practices of "developmentally appropriate" theories. The content emphasizes special parenting needs and/or situations such as single parenting, step parenting, children in crises, and parenting techniques. This course is ideal for anyone choosing early childhood or elementary education as a career.

CHILD DEVELOPMENT

Credits: ½

Prerequisites: None

Grades: 10 - 12

A laboratory course designed for students to acquire knowledge and skill related to the development and care of children. Concepts related to prenatal and postnatal care, childcare guidance techniques are taught as well as concepts relating to mentoring, volunteering and observations at local pre-schools and elementary schools. This course is ideal for anyone choosing early childhood or elementary education as a career.

TEEN PARENTING I & II

Credits: ½ - 2 (1 state, 1 local)

Prerequisites: Qualifies for course

Grades: 9 – 12

This course is for those students who are parents or parents-to-be. It is designed to foster self-responsibility and to help students become responsible productive citizens and gain valuable job skills. Topics include: parenting, child development, family health, nutrition, career and independent living. Childcare is provided as needed (TCDC).

FOOD PRODUCTION MANGEMENT & SERVICES I

Credits: 2 (2 CTE credits and 2 PE waivers)

Prerequisites: None

Grades: 11 - 12

This course provides curriculum designed for employment training in the area of food production, management, and services. Basic knowledge is provided in nutrition as well as skills for retention of nutrients during food preparation and service. The content provides for student achievement in concepts and skills related to management techniques, equipment operation, quantity food production, catering, safety, and sanitation. This course is intended to help prepare the student for employment in the area of food service. ServSafe certification offered.

FOOD PRODUCTION MANGEMENT & SERVICES II

Credits: 2

Prerequisites: Food Production Management & Services I

Grades: 11 - 12

Food Production Management & Services II extends and refines all skills initially covered in Food Production I. ServSafe certification offered.

INDIVIDUAL AND FAMILY LIFE

Credits: ½

Prerequisites: None

Grades: 10 - 12

This is a “relationships” course. The content provides students with information in the following areas: analysis of themselves, dating and the process of mate selection, components for a successful marriage, male/female roles and differences, management of family problems and crises, and career and job opportunities directly related to family counseling services.

NUTRITION AND FOOD SCIENCE

Credits: ½

Prerequisites: None

Grades: 10 - 12

Love Food? Learn more about its content and preparation. The content of this laboratory course includes nutrition as it relates to teens in particular. Current health concerns related to food intake such as heart disease, obesity, anorexia, etc. are discussed. Various types of foods are studied to determine nutrient value, uses, cultural origins, and proper principles of preparation. Students have weekly cooking labs to prepare and eat many types of food.

TEXTILES AND APPAREL DESIGN

Credits: ½

Prerequisites: None

Grades: 10 - 12

Learn about the world of fashion. This course provides in-depth knowledge and skills in the design of textiles and apparel. The course will provide opportunities to learn characteristics and development of fabric and fabric selection, use, and care. Students design and sketch new fashions (artistic talent not required) as core concepts for entry into the fashion field are presented.

APPAREL

Credits: ½

Prerequisites: None

Grades: 10 - 12

Create your own clothing or home fashion while learning techniques vital to the fashion or interior design industry. A large portion of this class is lab work, construction of garments, embellishments, etc. Content includes fabric and pattern selection, use of sewing machines, surgers, and construction techniques.

HOUSING

Credits: ½

Prerequisites: None

Grades: 10 - 12

If you plan to enter any type of profession that is related to the housing industry, this class is for you. You will study various types of historical housing, factors effecting housing choices, site selection, construction, architectural styles, landscaping, and the relationship of the elements of design.

INTERIOR DESIGN

Credits: ½

Prerequisites: None

Grades: 10 – 12

This course involves concepts that relate to the inside living areas of the home. You will study about period styles, and designing and planning space.

HEALTH SCIENCE TECHNOLOGY

INTRODUCTION TO HEALTH SCIENCE TECHNOLOGY

Credits: ½ (This course does not satisfy state credit for Health)

Prerequisites: None

Grades: 9 - 10

This course provides students with an overview of the therapeutic, diagnostic, environmental, and information systems of the health care industry focusing on health careers, exploration, leadership development, ethical and legal responsibilities, the history of health care and the economics of health care. This class will be used as a prerequisite for those planning to take medical clinical rotation.

HEALTH SCIENCE TECHNOLOGY I, MEDICAL CLINICAL ROTATION (HSTE I)

► ADVANCED TECHNICAL CREDIT ◀

Credits: 2 (2 CTE credits and 2 PE waivers)

Prerequisites: Introduction To Health Science Technology

Grades: 11 - 12

HSTE I is designed to develop health care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical experiences in health care. Students will rotate and observe operations in 15 different medical facilities. Students must apply for this course.

MEDICAL TERMINOLOGY

► ADVANCED TECHNICAL CREDIT ◀

Credits: 1

Dual credit is available. Student must meet admission standards to San Antonio College. The Accuplacer test is required.

Prerequisites: None

Grades: 11 - 12

This course is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, root, and abbreviations. Students identify proper use of words in the medical environment by relating terms to body systems. Knowledge of medical terminology enhances the student's ability to successfully gain employment or pursue advanced education in health care. Upon successful completion of this course, students will receive three (3) college credits (see Advanced Technical Credit).

INDUSTRIAL TECHNOLOGY

TECHNOLOGY SYSTEMS: MODULAR COMPUTER LABORATORY-BASED

Credits: 1 (This course satisfies the required technology credit)

Prerequisites: None

Grades: 9 - 12

The computer serves as a tool by which students access information in the broader technological arena. Content includes but is not limited to: the study of systems of technology, design/problem solving with the use of mechanical instruments, applications of technology, safety, marketing, and careers in the following five- to six-day rotations: animation, plastics, flight simulation, computer numerical control mill, computer aided design, engineering stress analysis, manufacturing, residential modeling, auto exploration, video production & digital video editing, graphic design, desktop publishing and computer servicing.

COMPUTER APPLICATIONS

► ADVANCED TECHNICAL CREDIT ◀

Credits: 1 (This course satisfies the required technology credit) **Dual credit is available for 11th and 12th grade students who meet the entrance requirements to Northwest Vista College. Accuplacer test is required.**

Prerequisites: None

Grades: 9 - 12

An exploratory course designed to explore the use of computers in the communication, construction, energy, power, transportation, and manufacturing fields. Activities may include, but are not limited to, computer numerical control, programming, computer-aided design, and drafting, telecommunications, desktop publishing, 3-D design and animation, and developing multi-media presentations.

DIGITAL GRAPHICS, ANIMATION

Credits: 1 (This course satisfies the required technology credit) **Dual credit is available for 11th and 12th grade students. Students must meet admission standards and Accuplacer test is required.**

Prerequisites: None

Grades: 9 - 12

This course introduces students to the creative aspect of technology in regards to graphic design and 3D animation. Students will learn and utilize industry software, Creative Suite 3 and Maxon Cinema 4D, to create individual and group design projects. Concepts that will be explored range from basic color theory to selecting appropriate storage devices. Students should have a basic knowledge of a computer and operating system prior to the course.

MULTIMEDIA

Credits: 1 (This course satisfies the required technology credit)

Prerequisites: None

Grades: 9 - 12

This course integrates text, images and sound to create group and individual multimedia projects utilizing a personal computer. Students will create presentations, stop-motion movies, animated shorts, and a web page using programs such as Microsoft PowerPoint, Movie Maker, Adobe Photoshop, and Dreamweaver. Students should have basic knowledge of a computer and operating system prior to the course.

TRADE AND INDUSTRIAL

BUILDING TRADES I

Credits: 2 (2 CTE credits and 2 PE waivers)

Dual credit is available for 11th and 12th grade students. Students must meet admission standards to San Antonio College. The Accuplacer test is required.

Prerequisites: None

Grades: 9 - 12

Building Trades is designed to provide students with both practical and technical training in the basic skills of the building trades. The course is organized as a pre-employment shop program for carpentry. Throughout the pre-employment training, the student will be able to use manipulative skills needed for successful completion of jobs in the field of carpentry, apply the related information necessary to assure sound decisions, sound judgment, and proper procedures involved in carpentry, and show desirable attitudes, habits, standards of workmanship, cleanliness, and safety. OSHA safety and training offered.

BUILDING TRADES II

Credits: 2

Dual credit is available for 11th and 12th grade students. Students must meet admission standards to San Antonio College. The Accuplacer testing is required.

Prerequisites: Building Trades I

Grades: 10 - 12

Building Trades II extends and refines all skills initially covered in Building Trades I.

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE TECHNICIAN I

Credits: 2 (2 CTE credits and 2 PE waivers)

Prerequisites: None

Grades: 9 - 12

This is a pre-employment laboratory course with job-specific training for entry-level employment in the transportation services field. Upon completion of the course, students will have received instruction pertaining to the construction, function, service and repair of all the major automotive systems that comprise a modern vehicle, as well as topics on safety, environmental hazards, leadership, entrepreneurship and career opportunities. OSHA safety certification offered.

AUTOMOTIVE TECHNICIAN II

Credits: 2

Prerequisites: Automotive Technician I

Grades: 10 - 12

This course refines and extends basic skills of Auto Technician 1 and students will be encouraged to acquire certifications.

COSMETOLOGY

COSMETOLOGY I

Credits: 3 (3 CTE credits and 2 PE waivers)

Prerequisites: 16 years old

Grades: 11 - 12

This course is contracted through the cooperation of the Kerrville Independent School District, Texas Education Agency, and Conlee's College of Cosmetology. Cosmetology is a two-year program. Students will be expected to train through the junior or senior years with such training leading to licensing by the State Board. Although there is no charge for the course, students must furnish uniforms, work kits, licenses, and state testing fees for a cost exceeding \$200.00 (both Cosmetology I & II). The curriculum covers all areas of cosmetology pertaining to hair, skin, cutting hair, tinting, iron curling, blow waving, braiding, salesmanship, shop management, etc. Each student enters into district competition on a voluntary basis. District winners may go as high as state finals. Interested students must check with the counselor before enrolling. Students may not enroll unless they can receive at least one full year of training before completing their high school education. Class meets both semesters.

COSMETOLOGY II

Credits: 3

Prerequisites: Cosmetology I

Grades: 12

Cosmetology II extends/ refines all skills initially taught in Cosmetology I. The course prepares students for the state board exams. Each student must pay for the necessary uniforms kits, and state board exam permit. Class meets both semesters.

MEDIA TECHNOLOGY

MEDIA TECHNOLOGY I

Credits: 2 (2 CTE credits and 2 PE waivers)

Prerequisites: Instructor approval

Grades: 9 - 11

This course is designed to be job-specific training for entry-level employment in movie, video, and television production careers. Media Tech I includes operation of different types of cameras, mastery of audio techniques, electronic editing, creation of media graphics, lightning, script-writing, direction, special effects, signal control and monitoring equipment, and set design.

MEDIA TECHNOLOGY II

Credits: 2

Prerequisites: Media Tech I, instructor approval

Grades: 10 - 12

This course is designed to enhance the basic camera and editing skills taught in Media Tech I. Instruction is designed to enhance skill development in movie, video and television production careers.

CAREER PREPARATION PROGRAMS

CAREER PREPARATION I AND II (CO-OP)

Credits: 3 (3 CTE credits and 2 PE waivers)

Prerequisites: 16 years of age; transportation to and from work

Grades: 11-12

This course is designed to provide instruction, on-the-job training, and work experience for students preparing to enter employment. This course provides students with one hour of instruction each school day. Instruction

includes developing an awareness of employment opportunities, evaluating opportunities for business ownership, developing leaders and effective group members, developing a successful life management system, and becoming a successful employee. Students attend school in the morning to take regular academic courses and this course, and work a minimum of 15 hours per week in an approved field. OSHA safety training offered.

Career preparation students may not work for or be supervised by any immediate family member (including a parent or any other relative). Students requesting a career preparation program should leave at least two class periods (2 hrs) at the end of the day to be scheduled for work credit. Full schedules for career preparation students are not allowed. Director approval is required for any exceptions.

OTHER OPPORTUNITIES

PEER ASSISTANCE AND LEADERSHIP SKILLS (PALS I)

Credits: 1
Prerequisites: None
Grades: 11 - 12

This course is a peer-helping program in which students will be trained to work as peer facilitators with other students in our district. Positive peer influence will be utilized as a central strategy for addressing such issues as at-risk youth, drop out prevention, substance abuse prevention, teen pregnancy, suicide, absenteeism, and other teen problems and concerns in the school district. Students must apply and have a personal interview.

PEER ASSISTANCE AND LEADERSHIP SKILLS, PALS IN COMMUNITY SERVICE LEARNING (PALS II)

Credits: 1
Prerequisites: PALS 1
Grades: 11 - 12

PALS II is an extension of PALS I with emphasis on community volunteer service. PALS II will provide field experience to a variety of community agencies designed to help peers and adults. Participants will also help in the training of the PALS I group as well as continue fieldwork throughout the district as needed.

STUDENT SERVICE

STUDENT SERVICE

Credits: ½ – 1 (local)
Prerequisites: Recommendation of teacher or office personnel where the student aide will be working.
Grades: 12

Student Service is considered a position of trust and responsibility. Students are expected to perform as they would if they were employed in this position. This highly visible position requires maturity, conscientious effort, responsibility and cooperation.

All files, information overheard, or situations that occur within the classroom or office are considered confidential and are not to be discussed outside that area or with other students. Students violating this trust will be removed from the program.

SPECIAL PROGRAMS

Individual educational programs for each student with special needs are determined annually by the Admission, Review, and Dismissal (ARD) committee. The course selections are based upon the student's graduation plan.