

TABLE OF CONTENTS

	Page
General Information.....	1
Career and Technical Education Information.....	7
Agricultural, Food and Natural Resources	9
Architecture and Construction	10
Arts, A/V Technology and Communication	11
Business Management and Administration.....	11
Dance	12
Education and Training.....	13
English	13
English Electives	14
Finance	15
Health & Physical Education	16
Health Science	17
Hospitality and Tourism.....	18
Human Services.....	19
Information Technology.....	19
Journalism	20
Language Other Than English	21
Manufacturing.....	23
Marketing, Sales and Service	24
Mathematics	24
Music	26
Science	27
Social Studies	29
STEM Engineering	32
Speech	33
Technology Applications.....	34
Theatre Arts	34
Transportation, Distribution and Logistics	36
Visual Arts.....	36
Other Electives	39
Special Education	40
Four Year High School Plan	41

The Alief Independent School District does not discriminate on the basis of race, religion, color, national origin, sex, age, or disability in providing education or providing access to benefits of education services, activities, and programs including vocational programs, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; Section 504 of the Rehabilitation Act of 1973, as amended; Title II of the Americans with Disabilities Act; and the Age Discrimination Act of 1975.

GENERAL INFORMATION

This guide is designed to help students, with the support of their parents and school personnel, to select the courses they will take in high school. All programs have been developed with the philosophy that excellence in education is equally important for all students. Every high school student needs a plan for high school and beyond, and this guide is designed to help with the plan.

A student's high school education, whether taken in preparation for college or career, is influenced by the selection of courses and by the application of the student's abilities. A major portion of the school work consists of fundamentals needed for life. It is essential that all students have the following academic competencies: reading, writing, speaking and listening, mathematics, reasoning and study skills, as well as skills in interacting with others in teams or groups.

Please use the guide as a source of information and as an aid in preparing your school program. Your counselor will answer any questions that you may have about a particular area or will help you gather information that is not currently available in this guide.

Credits:

Students must take state-approved courses to earn credits toward graduation. Students are encouraged to take more courses than the minimum courses listed. Local elective courses (including office aide) may only be counted for credits above the credits required for graduation.

There are two graduation programs currently available: Recommended and Distinguished Achievement*. All students entering 9th grade will begin on the Recommended or Distinguished Achievement Plan. Upon completion of the Recommended or Distinguished Achievement program, students are designated as "Texas Scholars" and receive special recognition at graduation.

*The Distinguished Achievement Program is currently being revised by the state. Students should consult their counselor for further information.

For freshmen entering high school in 2007-2008 and thereafter will be required to gain 26 credits, now including four credits in all core academic courses (English, social studies, science and mathematics). An outline of that plan can be found on page 4.

CREDITS FOR GRADE LEVEL PLACEMENT	
	For Freshmen Entering High School in 2007-2008 and thereafter
Grade 10	6
Grade 11	12 (including completion of Algebra I)
Grade 12	19

Grade level placement is determined by the number of credits earned and is done at the end of the school year.

Tutorial Program

The district has tutorial programs available in each school. The programs are designed for students having academic difficulties in the four core academic areas - math, science, English, and social studies. Check with your school for tutorial times.

RECOMMENDED HIGH SCHOOL PROGRAM
For Freshmen Entering High School in 2007-2008 and thereafter

DISCIPLINE	CREDITS	REQUIREMENTS
ENGLISH LANGUAGE ARTS	4	English I, II, or English I, II for ESOL English III, IV (Research/Technical Writing, Creative/Imaginative Writing, Practical Writing, Literary Genres, Business Communication, Journalism or concurrent enrollment in a college English course may substitute for English IV)
MATHEMATICS	4	Three of the credits must be Algebra I, Algebra II and Geometry. The fourth credit may be selected from: Mathematical Models with Applications*, Advanced Mathematical Decision Making, Precalculus, AP Calculus, AP Computer Science, Discrete Math, AP Statistics *If Mathematical Models is to be used for the fourth math credit, it must be taken before Algebra II
SCIENCE	4	Biology is required <u>and</u> Two of the following: Chemistry, Physics, or Conceptual Physics Fourth Credit can be a lab-based class such as Earth Science, Environmental Science, Environmental Systems, Aquatic Science, Astronomy, Engineering, Anatomy/Physiology, Medical Microbiology and Pathophysiology, or Forensic Science
SOCIAL STUDIES	4	United States History Since Reconstruction World History Studies World Geography Studies U.S. Government (0.5 credit) and Economics (0.5 credit)
LANGUAGES OTHER THAN ENGLISH	2	Any 2 levels from the same language
HEALTH EDUCATION	0.5	Health Education or Principles of Health Science (1 credit)
PHYSICAL EDUCATION	1	.5 of Foundations of Personal Fitness is required and an additional PE class (Individual or Team Sports) Or PE equivalents: Drill Team, Marching Band, JROTC, Athletics, Dance, Additional PE Equivalent credits will count toward state elective credit.
TECHNOLOGY APPLICATIONS	1	Choose From: CTE Courses: Principles of Information Technology, Computer Programming, Advanced Computer Programming, Digital and Interactive Multimedia, Web Technologies, Research in IT Solutions, Computer Technician, Telecommunications and Networking, Business Information Management, Business Information Management II, Audio Video Productions, Advanced Audio Video Production, Graphic Design and Illustration, Advanced Graphic Design and Illustration, Digital Interactive Multimedia, Business Information Management I, Business Information Management II Tech Apps: Fundamentals of Computer Science, Computer Science I, AP Computer Science, Computer Science II, Computer Science III
FINE ARTS	1	Choose from: Art, Dance, Music, Theater, or Principles and Elements of Floral Design
SPEECH	0.5	Communication Applications
ELECTIVES	4	Choose from any state approved courses
TOTAL CREDITS	26	

TOWARD EXCELLENCE, ACCESS AND SUCCESS (TEXAS)

The Texas Legislature has established the "Toward EXcellence, Access and Success (TEXAS) Grant Program. This program establishes grants that may cover tuition and fees to Texas public universities, community colleges and technical schools for students who have **successfully completed the recommended or higher high school graduation programs and have financial need**. Course selection is important for your future. Your success tomorrow depends upon your choices today.

Standardized Tests Required For Graduation

The Texas Assessment of Knowledge and Skills (TAKS) is designed to test students in mathematics, (ELA) English/language (writing and reading), social studies and science. TAKS is given as an Exit Level Examination in the 11th grade year, and it must be passed prior to receiving a Texas high school diploma. The exit-level test will be offered in the spring, in July and in October each year for students who did not pass the initial administration.

College Admission Exams

Either the SAT or ACT test is required by most colleges and universities for entrance. Typically, 11th grade students take the Preliminary Scholastic Aptitude Test (PSAT) and 12th graders the Scholastic Aptitude Test (SAT) or American College Testing (ACT). Students are encouraged to take these tests a year earlier. The PSAT is an indicator and practice test for the SAT. Tenth grade students will be provided an opportunity to take the PSAT through the College Board's Early Preparation Program. However, it should be noted that National Merit recognition and qualification is based solely on a student's PSAT score earned in the eleventh grade year.

A PSAT/SAT preparation course is available. Contact your counselor for details. A fee may be required.

Additional Information

Credit By Examination (No Prior Instruction)

Credit by Examination provides a means for students **with no prior formal instruction** to accelerate. The examinations administered as part of this program provide a way for students who have an exceptional command of the subject or course content to "skip" a course. Students must score a "90" or above on the exam to receive credit. A fee may be required.

All forms must be obtained from and approved by a school counselor.

Examinations are offered in June and July. The registration deadline for the June test is the first Monday in May; for the July test the registration deadline is the first Monday in June. Registration forms are obtained from and returned to the student's counselor.

Credit By Examination (With Prior Instruction)

Students who have had prior instruction in a subject or course may use credit by examination to earn credit in any academic course at the secondary level, with the prior approval of the appropriate administrator. Interested students should contact their building counselor to obtain university registration forms and additional information. A fee may be required.

Correspondence Classes

Students may earn up to 2 high school credits by taking correspondence classes from State Board approved universities. A fee is required. See your counselor for details.

No grade points are awarded for correspondence courses or Credit By Exam

Dual Credit

During the senior year, students may enroll in courses that allow them to receive high school and college credit at the same time. A limited number of courses are available. Contact your counselor for details.

Gifted/Talented

At the high school level, gifted and talented (GT) students are served through the Advanced Placement and Pre-Advanced Placement Program in the core content areas. Other advanced placement and pre-advanced placement options are available in Art, Music, and Foreign Language. To be identified as Gifted and Talented, students may be nominated for the program by teachers, counselors, administrators, parents, or themselves. Parents of nominated students are contacted, and screening is conducted once a year. Parents are notified of screening results. Parents of those students who qualify for the GT Program must provide written permission for their children to participate in GT classes.

Pre-AP and AP Courses

Pre-AP courses are rigorous courses designed to prepare students for success in Advanced Placement courses in high school. AP courses are college-level courses that allow students to pursue college credit by passing the AP exams with a score of 3 or higher. PreAP/AP courses carry a weighted grade point enabling students to earn a higher grade point average than with regular courses. Requirements are in place to enroll in these courses. See your academic teacher or counselor for details.

Early High School Graduation Scholarship Program

Students may qualify for a scholarship for completing high school early. Counselors have additional details.

Collegiate Athletics Eligibility

Students planning to participate in collegiate athletics must apply to the National Collegiate Athletic Association (NCAA) to be certified as eligible. A portion of the NCAA Division I requirements are outlined below. Please consult the NCAA for additional requirements regarding core grade point average and college admission test scores.

Division I

If you want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses:
 - 4 years of English
 - 3 years of math (algebra 1 or higher)
 - 2 years of natural or physical science (including one year of lab science if offered by your high school)
 - 1 extra year of English, math, or natural or physical science
 - 2 years of social science
 - 4 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy);
- Earn a minimum required grade-point average in your core courses; and
- Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale (for example, a 2.400 core-course grade-point average needs an 860 SAT).

Requirement to graduate with your high school class

You must complete the 16 core requirement with your incoming ninth-grade class. If you graduate from high school in eight semesters with your class, you may use one core course completed in the year after graduation (summer or academic year) to meet NCAA Division I eligibility requirements.

You may complete the core course at a location other than the high school from which you graduated and may initially enroll full time at a collegiate institution at any time after completion of the core course.

Consult your counselor and coach for more information on Division I, II III and refer to the Guide for the College Bound Student Athlete at www.nccaapublications.com

Achieve Texas

Achieve Texas is designed to help students (and their parents) make wise education choices. It is based on the belief that the curricula of the 21st century should combine *rigorous* academics with *relevant* career education. When schools integrate academic and technical education, students can see the “usefulness” of what they are learning. The system also facilitates a seamless transition from secondary to postsecondary opportunities. For more information review the following pages to see the exciting opportunities Alief has to offer or visit www.achievetexas.org.

Sixteen Career Clusters with Alief's Career Plans of Study

AGRICULTURE, FOOD & NATURAL RESOURCES

Animal Systems
Plant Systems

ARCHITECTURE & CONSTRUCTION

Design and Pre-Construction

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Audio and Video Technology and Film
Journalism & Broadcasting
Performing Arts: Dance, Music, Speech, & Theatre
Visual Arts: Art & Fashion Design

BUSINESS, MANAGEMENT & ADMINISTRATION

Administrative & Information Support
Management

EDUCATION & TRAINING

Teaching & Training
Teaching & Training – Kinesiology

FINANCE

Business & Financial Management

GOVERNMENT & PUBLIC ADMINISTRATION

Governance

HEALTH SCIENCE

Diagnostic Services
Therapeutic Services

HOSPITALITY & TOURISM

Lodging Systems (Hotel Management)
Restaurants & Food / Beverage Services

HUMAN SERVICES

Family & Community Services
Consumer Services

INFORMATION TECHNOLOGY

Information Support & Services
Interactive Media
Network Systems
Programming & Software Development

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Legal Services
ROTC

MANUFACTURING

Production (Welding)

MARKETING, SALES & SERVICE

Management & Entrepreneurship
Professional Sales & Marketing

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Engineering & Technology
Science & Math

TRANSPORTATION, DISTRIBUTION & LOGISTICS

Facility & Mobile Equipment Maintenance
(Automotive Technology)

CAREER CLUSTER DESCRIPTIONS

LISTED BELOW YOU WILL SEE THE 16 CAREER CLUSTERS, A BRIEF DESCRIPTION AND A REFERENCE TO LOOK FOR RELATED ELECTIVES IN ALIEF'S COURSE BOOK.

AGRICULTURE, FOOD & NATURAL RESOURCES: The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, & other plant and animal products / resources.

ARCHITECTURE & CONSTRUCTION: Careers in designing, planning, managing, building & maintaining the built environment.

ARTS, AV TECHNOLOGY & COMMUNICATIONS: Designing, producing, exhibiting, performing, writing, & publishing multimedia content including visual & performing arts and design, journalism, & entertainment services. **Elective areas to consider: Art, Dance, Theater, Music, and ARTS, AV TECHNOLOGY & COMMUNICATIONS.**

BUSINESS, MANAGEMENT & ADMINISTRATION: Careers encompass planning, organizing, directing & evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy.

EDUCATION & TRAINING: Planning, managing & providing education & training services, & related learning support services.

FINANCE: Services for financial & investment planning, banking, insurance, & business financial management.

GOVERNMENT & PUBLIC ADMINISTRATION: Executing governmental functions to include Governance, National Security, Foreign Service, Planning, Revenue & Taxation, Regulation, and Management & Administration at the local, state & federal levels.

HEALTH SCIENCE: Planning, managing & providing therapeutic services, diagnostic services, health informatics, support services, & biotechnology research & development.

HOSPITALITY & TOURISM: Hospitality & Tourism encompasses the management, marketing & operations of restaurants & other foodservices, lodging, attractions, recreation events, & travel related services.

HUMAN SERVICES: Preparing individuals for employment in career pathways that relate to families and human needs.

INFORMATION TECHNOLOGY: Building linkages in IT Occupations Framework for entry level, technical & professional careers related to the design, development, support & management of hardware, software, multimedia & systems integration services.

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY: Planning, managing, & providing legal, public safety, protective services & homeland security, including professional & technical support services. **Elective areas to consider: Social Studies and ROTC.**

MANUFACTURING: Planning, managing, & performing the processing of materials into intermediate or final products & related professional & technical support activities such as production planning & control, maintenance & manufacturing / process engineering.

MARKETING, SALES & SERVICE: Planning, managing, & performing marketing activities to reach organizational objectives.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS: Planning, managing & providing scientific research & professional & technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

TRANSPORTATION, DISTRIBUTION & LOGISTICS: Planning, management & movement of people, materials, & goods by road, pipeline, air, rail & water and related professional & technical support services such as transportation infrastructure planning & management, logistics services, mobile equipment & facility maintenance.

CAREER AND TECHNICAL EDUCATION INFORMATION

Career and Technical Education in Alief ISD supports the district goal of providing students the opportunity to prepare for college and career utilizing the statewide Achieve Texas program. The CTE program provides students with opportunities throughout their high school career including earning college credit while in high school; participation in a work-based learning opportunity within their chosen course of study; and industry certification / qualification opportunities.

Earning College Credit While Taking CTE Courses

The College Tech Prep program is a way to begin a college technical major while in high school. Tech Prep allows you the opportunity to earn college credit while taking certain high school courses. This Program includes Advanced Technical Credit (ATC) and local Articulated Credit. ATC gives the student the opportunity to attend any participating community or technical college in the state of Texas while local articulated credit agreements exist with local area colleges. In order to receive articulated credit you must meet the requirements of the college. Some ATC courses must be taken in combination with another course to receive credit, please reference www.atctexas.org for more details.

What is Work-Based Learning (WBL) and why should I consider these classes?

Work Based Learning involves real-world work experience and is considered capstone activities for students who have taken a coherent sequence of courses within their chosen career field. This learning can take place through an Internship, a Pre-Employment Lab or a Career Preparation or Practicum COOP program. COOP programs allow students to earn credit and wages through employment. Internship programs and pre-employment labs allow students to earn credit and non-paid work experiences. Pre-Employment and Internship Programs housed off campus will have transportation provided by Alief ISD.

How do I enroll in a Work-Based Learning program? All of these programs are by application process. Students wishing to participate in these capstone programs will need to meet with the instructor for other course requirements such as age, grades, attendance and discipline record requirements and parent/student contract. Contact your counselor for information and an application.

Internship Programs	Career Preparation Programs (COOP)	Pre-Employment Lab Programs
Health Science – Clinical Rotation Practicum in Health Science – Pharmacy Technician Practicum in Hospitality & Tourism	Practicum in Business Management and Administration Career Preparation	Automotive Technology – 2 courses Practicum in Culinary Arts Pre-Engineering (PLTW) – 4 courses Welding and Advanced Welding

Industry Certification and Qualifications

Students enrolled in specific CTE classes have the opportunity as part of their coursework to achieve industry certifications or qualifications. Current opportunities include: OSHA Career Safe; Microsoft Office Specialist (MOS); ServSafe Kitchen Manager; Welding Qualification; ASE Automotive Contact Hour Qualification and Customer Service Certification.

AISD – Career & Technology Education Recommended Coherent Sequence of Courses

Some courses are eligible for college credit and / or local technology credit – see your counselor for more details.

Agriculture, Food & Natural Resources	Architecture & Construction	Business, Management & Administration
<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Ag, Food & Natural Resources <p>10th Grade</p> <ul style="list-style-type: none"> Livestock Production Small Animal Management Wildlife, Fisheries, & Ecology Mgt. Principles / Elements of Floral Design <p>11th Grade</p> <ul style="list-style-type: none"> Veterinary Medical Applications Range & Ecology Management Landscape Design & Turf Grass Mgt. Horticulture Science <p>12th Grade</p> <ul style="list-style-type: none"> Veterinary Medical Assistant Advanced Animal Science Advance Plant & Social Science Career Preparation 	<p>9th Grade / 10th Grade</p> <ul style="list-style-type: none"> Principles of Architecture & Construction <p>10th Grade / 11th Grade</p> <ul style="list-style-type: none"> Architectural Design Construction Technology <p>11th Grade / 12th Grade</p> <ul style="list-style-type: none"> Advanced Architectural Design Advanced Construction Technology <p>12th Grade</p> <ul style="list-style-type: none"> Career Preparation <p style="text-align: center;">Transportation, Distribution & Logistics</p> <p>9th / 10th Grade</p> <ul style="list-style-type: none"> Energy Power & Transportation <p>10th / 11th Grade / 12th Grade</p> <ul style="list-style-type: none"> Automotive Technology Advanced Automotive Technology <p>12th Grade</p> <ul style="list-style-type: none"> Career Preparation 	<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Business, Mktg. & Finance <p>10th Grade</p> <ul style="list-style-type: none"> Human Resource Management Business Law Virtual Business Business Information Management I <p>11th Grade</p> <ul style="list-style-type: none"> Global Business Business Management Business Information Management II <p>12th Grade</p> <ul style="list-style-type: none"> Practicum in Business, Management & Administration
Arts, A/V Technology & Communications	Hospitality & Tourism	Finance
<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Arts, A/V Technology & Communications <p>10th Grade / 11th Grade</p> <ul style="list-style-type: none"> Audio Video Production Fashion Design Graphic Design & Illustration <p>11th Grade / 12th Grade</p> <ul style="list-style-type: none"> Advanced Audio Video Production Advanced Fashion Design Advanced Graphic Design & Illustration <p>12th Grade</p> <ul style="list-style-type: none"> Career Preparation 	<p>9th Grade / 10th Grade</p> <ul style="list-style-type: none"> Principles of Hospitality & Tourism <p>10th Grade / 11th Grade</p> <ul style="list-style-type: none"> Hotel Management <i>and</i> Travel & Tourism Management <i>or</i> Culinary Arts <p>11th Grade / 12th Grade</p> <ul style="list-style-type: none"> Hospitality Services AND Practicum in Hospitality & Tourism <i>or</i> Practicum in Culinary Arts <p>12th Grade</p> <ul style="list-style-type: none"> Career Preparation 	<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Business, Mktg. & Finance <p>10th Grade</p> <ul style="list-style-type: none"> Accounting I Banking & Financial Services <p>11th Grade</p> <ul style="list-style-type: none"> Accounting II <p>12th Grade</p> <ul style="list-style-type: none"> Practicum in Business, Management & Administration Career Preparation
Health Science	Human Services	Marketing, Sales & Services
<p>10th Grade</p> <ul style="list-style-type: none"> Principles of Health Science Medical Terminology <p>11th Grade</p> <ul style="list-style-type: none"> Health Science (Clinical Rotation) Medical Microbiology <p>12th Grade</p> <ul style="list-style-type: none"> Practicum in Health Science (Pharmacy Technician) Career Preparation Anatomy & Physiology 	<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Human Services & Education <p>10th Grade</p> <ul style="list-style-type: none"> Lifetime Nutrition & Wellness Child Development <p>11th Grade</p> <ul style="list-style-type: none"> Child Guidance <p>12th Grade</p> <ul style="list-style-type: none"> Career Preparation 	<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Bus, Marketing, & Finance <p>10th Grade</p> <ul style="list-style-type: none"> Advertising Sports & Entertainment Marketing Fashion Marketing <p>11th Grade</p> <ul style="list-style-type: none"> Entrepreneurship <p>12th Grade</p> <ul style="list-style-type: none"> Marketing Dynamics Career Preparation
Manufacturing	Education & Training	Science, Technology, Engineering & Mathematics
<p>9th Grade / 10th Grade</p> <ul style="list-style-type: none"> Principles of Manufacturing <p>10th Grade / 11th Grade:</p> <ul style="list-style-type: none"> Welding <p>11th Grade / 12th Grade</p> <ul style="list-style-type: none"> Advanced Welding <p>12th Grade</p> <ul style="list-style-type: none"> Career Preparation 	<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Human Services & Education <p>10th Grade</p> <ul style="list-style-type: none"> Human Growth & Development <p>11th Grade</p> <ul style="list-style-type: none"> Instructional Practice in Education/Training <p>12th Grade</p> <ul style="list-style-type: none"> Practicum in Education & Training 	<p>9th Grade / 10th Grade</p> <ul style="list-style-type: none"> Principles of Engineering Introduction to Engineering Design <p>11th Grade</p> <ul style="list-style-type: none"> Digital Electronics Computer Integrated Manufacturing Aerospace Engineering Biotechnology Engineering Civil Engineering & Architecture <p>12th Grade</p> <ul style="list-style-type: none"> Engineering Design & Development Engineering Design & Problem Solving
Information Technology		
<p>9th Grade</p> <ul style="list-style-type: none"> Principles of Information Technology <p>10th Grade</p> <ul style="list-style-type: none"> Computer Maintenance Computer Programming Digital & Interactive Multimedia 	<p>11th Grade</p> <ul style="list-style-type: none"> Telecommunications & Networking Advanced Computer Programming Web Technologies <p>12th Grade</p> <ul style="list-style-type: none"> Computer Technician Research in IT Solutions 	

AGRICULTURE, FOOD AND NATURAL RESOURCES

Principles of Agriculture, Food, and Natural Resources

Prerequisite: Grades 9-10

Credit: One (state)

This introductory level course will allow a student with an interest in the field of agriculture the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and related expectation. Students will explore all aspects of the cluster.

Livestock Production

Prerequisite: Grades 10-11

Credit: One-half (state)

Have an interest in animals? This course is the logical next step that reaches in and explores the livestock portion of the Principles of Agriculture, Food and Natural Resources course. Students will learn about career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, swine, sheep, goats, and poultry.

Small Animal Management

Prerequisite: Grades 10-11

Credit: One-half (state)

In this course students will take the next step from Principles of Agriculture, Food and Natural Resources in developing knowledge and skills specifically related to animal systems and the workplace. Students will learn about career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

Wildlife, Fisheries, and Ecology Management

Prerequisite: Grades 10-11

Credit: One (state)

For the student who finds an interest in the outdoors, this exploratory course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Range Ecology and Management

Prerequisite: Grades 10-11

Credit: One (state)

Another great course for that student who wonders why the ecosystem works the way it does. This course is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. Students will explore career opportunities, entry requirements, and industry expectations as related to this field of interest.

Principles and Elements of Floral Design

Prerequisite: Grades 10-12

Credit: One (state)

This course develops students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Students will learn about floral arrangement, foliage, and other related materials. Students will explore career opportunities, leadership and personal skill development. Upon successful completion of this course students will have the opportunity to sit for the Texas Floral Design Exam to become a certified floral designer.

Landscape Design and Turf Grass Management

Prerequisite: Grades 10-12

Credit: One (state)

Students will have the opportunity to study the art of landscape design as well as develop an understanding of landscape and turf grass management techniques and practices. Students will apply their knowledge of landscape design and turf grass management in various landscaping projects around the campus and district. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Horticulture Science

Prerequisite: Grades 10-12

Credit: One (state)

Students will develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Included in their study will be what it takes to grow a plant from seed, soil types and conditions, soil nutrition, greenhouses, safe use of pesticides and herbicides. Career opportunities, entry requirements, and industry expectations will be studied in greater depth. This course will be very interactive to allow students to do a variety of experiments both in the greenhouse and around the campus.

Veterinary Medical Applications

Prerequisite: Grades 11-12

Credit: One (state)

Students will develop knowledge and skills related to animal systems and the workplace. Students will learn about career opportunities, entry requirements, and industry expectations. Topics covered in this course include, but are not limited to veterinary practices as they relate to both large and small animal species. This course will be the entry point for any student desiring to further their studies to become a Veterinary Medical Assistant.

Veterinary Medical Assistant

Prerequisites: A. Grades 12 B. Successful completion of Veterinary Medical Applications

Credit: Two (state)

Students in this application only program learn about the care of animals as well as how to recognize signs of illness and disease. The program will cover interpersonal communication, interaction with clients and their animals, as well as how to assist the veterinarian during examinations. The program will culminate with the student being eligible for the Veterinary Medical Assistant certification.

Advanced Animal Science

Prerequisite: A. Grade 12

Credit: One (state)

B. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. As a CTE course, a minimum of 40% laboratory and fieldwork is required.

Advanced Plant and Soil Science

Prerequisites: A. Grade 12

Credit: One (state)

B. Successful completion of at least one course from the Principles of Ag, Food & Natural Resources Cluster.

If you ever asked the question "What is Going Green?" or "The pros and cons of organic vs. non-organic products?" then this is the course for you. This class will teach you what it takes to produce your food and where it comes from. As a Career and Technical Education course, a minimum of 40% laboratory and field work is required.

Career Preparation

Prerequisites: A. Grade 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

ARCHITECTURE AND CONSTRUCTION

Principles of Architecture and Construction

Prerequisite: Grades 9-10

Credit: One-half (state)

This course provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Also included is an introduction to hand tools, introduction to power tools, basic rigging, and reading technical drawings. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Architectural Design

Prerequisite: Grades 10-11

Credit: One (state)

Students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Students will gain knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

Advanced Architectural Design

Prerequisites: A. Grades 11-12 B. Successful completion of Architectural Design

Credit: Two (state)

Students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. This course covers design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

Construction Technology

Prerequisite: Grades 10-11

Credit: One (state)

This class provides knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Advanced Construction Technology

Prerequisites: A. Grades 11-12 B. Successful completion of Construction Technology

Credit: Two (state)

Students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills.

Career Preparation

Prerequisite: A. Grade 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

ARTS, A/V TECHNOLOGY AND COMMUNICATION

Principles of Arts, A/V Technology & Communications

Prerequisite: Grades: 9-10

Credit: One-half (state)

This introductory level course will foster a student's creativity with the arts, computers and technology applications. Students will also build skills in both oral and written communication. Upon successful completion students will be ready to further explore their interests in this exciting cluster. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Fashion Design

Prerequisite: Grades 10-11

Credit: One (state)

Technical knowledge and skills used in fashion and textile and apparel industries will be the primary focus of this laboratory course. Students will learn skills utilized in basic to advanced construction; the design process from concept to completion of a garment. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Advanced Fashion Design

Prerequisites: A. Grades 11-12 B. Successful completion of Fashion Design

Credit: Two (state)

This course develops advanced technical knowledge and skills used in the fashion and textile and apparel industries. Students will be required to develop an accessory collection or a clothing line from start to finish.

Audio/Video Production

Prerequisite: Grades 10-11

Credit: One (state)

Lights. Camera. Action. It takes all kinds to produce a news cast. Students in this course will develop an understanding of the audio/video communications industry with a focus on pre-production, production, and post-production audio video activities.

Advanced Audio/Video Production

Prerequisites: A. Grades 11-12 B. Successful completion of Audio / Video Production.

Credit: Two (state)

In this capstone level course students will develop an advanced understanding of the audio/video communications industry with a focus on pre-production, production, and post-production activities. Students will be responsible for the campus based school news broadcasts from start to finish.

Graphic Design and Illustration

Prerequisite: Grades 10-11

Credit: One (state)

This course develops an understanding of the graphic design and illustration industry with a focus on fundamental elements and principles of visual art and design. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Advanced Graphic Design and Illustration

Prerequisites: A. Grades 11-12 B. Successful completion of Graphic Design and Illustration.

Credit: Two (state)

This course will develop advanced technical knowledge and skills of the graphic design and illustration industry with a focus on advanced fundamental elements and principles of visual art and design.

Career Preparation

Prerequisite: A. Grade 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

BUSINESS MANAGEMENT AND ADMINISTRATION

Principles of Business, Marketing and Finance

Prerequisite: Grades 9-10

Credit: One-half (state)

In this introductory level course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course serves as the entry point into three different clusters: Business Management and Administration; Finance; and Marketing, Sales, and Service.

Business Information Management I

Prerequisite: Grades 10-11

Credit: One (state)

This course is a recommended prerequisite to many higher level computer related Career & Technical Education courses.

Do you have what it takes to get a good paying job? Do you have computer skills to help you get ahead in school and the workforce? Take this class to move you forward in today's society. You will develop skills in Microsoft Excel, Access, Word, and PowerPoint that will strengthen your individual performance in the workplace and in society to make a successful transition to the workforce and post-secondary education! In order for a student to be successful in this course, prior computer literacy skills are a must.

Business Information Management II

Prerequisites: A. Grades 11-12 B. Successful completion of Business Information Management I

Credit: One (state)

Take it to the next level! Students will apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Human Resource Management

Prerequisite: Grades 10-11

Credit: One (state)

Do you want to help the right people find the right job? Students learn to recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. You will experience recruiting employees, training and developing them, and assisting them as you begin your journey to become a competent manager, employee, and entrepreneur.

Business Law

Prerequisite: Grades 10-11

Credit: One-half (state)

So you want to explore Business, Management, and Administration as a future career opportunity? Check out this class that will look at the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property.

Virtual Business

Prerequisite: Grades 10-11

Credit: One-half (state)

Do you want the flexibility of working from wherever you are at any given time? This course will help students to identify steps needed to locate customers, set fees, and develop client contracts. Students will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. Students will also build a functional website that incorporates the essentials of a virtual business.

Global Business

Prerequisite: Grades: 10-11

Credit: One (state)

Does the thought of working with people from all parts of the world excite you? Would you like to travel as part of your job? Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students will enhance their reading, writing, computing, and communication and reasoning skills and apply them to the international business environment.

Business Management

Prerequisite: Grades 11-12

Credit: One (state)

Do you have what it takes to run a business? Learn the ins and outs of staffing issues. Who gets hired and who gets fired? Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. Students will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Practicum in Business Management and Administration

Prerequisites: A. Grade 12 B. Successful completion of a coherent sequence of courses from the cluster

Credit: Three (state)

So now you think you are ready to apply your previously learned business knowledge and skills and go out into the real world? The Business Practicum has been designed to be a capstone activity for students who have taken a coherent sequence of courses from within the Business Management and Administration or Finance Clusters. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

DANCE

Dance/Drill Team I

Prerequisite: Grades 9 – 12

Credit: One (state)

This course will provide usage, practical application, and knowledge in dance/drill team concepts and skills.

Dance/Drill Team II

Prerequisite: A. Dance/Drill Team I B. Audition

Credit: One (state)

This course will provide usage, practical application, and knowledge in dance/drill team concepts, and skills on an intermediate level.

Dance/Drill Team III

Prerequisite: A. Dance/Drill Team II B. Audition

Credit: One (state)

This course will provide advanced practical application, and knowledge in dance/drill team concepts and skills. Students must have two years' experience.

Dance/Drill Team IV

Prerequisite: A. Dance/Drill Team III B. Audition

Credit: One (state)

This course is highly advanced training of practical application, and knowledge in dance/drill team concepts and skills. Three years' prior experience is necessary.

Alief Jazz Ballet Company

Prerequisite: A. Grades 9 – 12 B. Teacher approval

Credit: One (state)

This course is a practical application of all facets of dance arts. It will be a training study in the format of a ballet company. There are three AJB companies: beginner, apprentice, and performance.

EDUCATION AND TRAINING

Principles of Human Services and Education

Prerequisite: Grades: 9-10

Credit: One (state)

This introductory level laboratory course that enables students to investigate careers in the human services and education clusters, including counseling and mental health, early childhood development, family and community, personal care services and education and training careers. Students will understand the basic knowledge and skills essential for success in either cluster.

Human Growth and Development

Prerequisite: Grades: 10-11

Credit: One (state)

What does learning to walk have to do with brain development? Why are social interactions so important for late in life adults to help them maintain a healthy self-esteem? These topics and many more are explored in the study of human development across the life span from prenatal to late adulthood. Areas of study include developmental milestones, current trends in research, theories and human relationships. Students will also explore careers related to human development which leads into further studies at the postsecondary level.

Instructional Practice in Education and Training

Prerequisite: Grade 11

Credit: One (state)

Do you remember that teacher who had such an impact on your life? Have you considered entering the education field but are unsure where in that field you will fit? This year-long course is for students interested in exploring the field of teaching through observation, discovery, lecture, cooperative learning, speakers, analysis of current issues, and utilization of technology. Students will learn about education areas of early childhood, elementary and secondary instruction as well as special populations. Students will practice a variety of hands-on activities using instructional strategies and research based decision making techniques. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training

Prerequisite: Grade 12

Credit: Two-Three (state)

Want some actual hands-on experiences working with children? Is teaching right for you? This year long capstone course will offer students the chance to actually shadow and assist teachers in an unpaid internship setting. Students will work with classroom teachers at schools within the district to understand effective instructional techniques for all learners. Prior to enrollment students will need to have successfully completed the Instructional Practice in Education and Training course and gain teacher approval.

ENGLISH

English I

Prerequisite: A. Grade 9

Credit: One (state)

English I students increase and refine their communication skills through writing, speaking/listening and visual representations. Students read extensively from multiple genres and interpret the influence of historical context on the literature. Students analyze literary elements and explore author's craft in both literary and expository texts. Preparation for TAKS Reading 9 is included in the course.

Pre-AP English I

Prerequisites: A. Grade 9 B. Contract

Credit: One (state)

Pre-AP English I is a more rigorous and comprehensive study of English I TEKS, including much more extensive reading and writing and an introduction to literary analysis. Initial preparation for AP English begins in this course. More in-depth analysis of literary elements and author's craft are required in the course. A summer reading component is required. Preparation for TAKS Reading 9 is included in the course.

English II

Prerequisites: A. Grade 10

Credit: One (state)

English II students increase and refine their communication skills through extensive use of the writing process and use writing as a tool for learning. Students read extensively in multiple genres from world literature and analyze the effects of historical context on literary works. Students continue to analyze literary elements and explore author's craft in both literary and expository texts. Students present oral presentations and interpret visual representations. Preparation for TAKS ELA 10 is included in the course.

Pre-AP English II

Prerequisites: A. Grade 10 B. Contract Credit:

One

(state)

Pre-AP English II is a more rigorous and comprehensive study of the English II TEKS. Preparation for AP English III and AP English IV are included, especially through language and literature analyses, critiques, and analyses of author's craft in both literary and expository texts. A summer reading component is required. Preparation for TAKS ELA 10 is included in the course.

English I for Speakers of Other Languages English II for Speakers of Other Languages

Placement Criteria: Students qualify through testing and recommendation by the campus LPAC

Credit: One (1) state credit per course (These courses may be substituted for English I and English II for immigrant students with limited English proficiency.)

The course accelerates the acquisition of English and meets the Texas Essential Knowledge and Skills (TEKS) for English Language Arts. Emphasis is placed on communicating in English both orally and in writing, active listening, reading comprehension, and vocabulary development. This course is offered at the student's level of English language proficiency.

English as a Second Language (ESL) For Newcomers

Placement Criteria: Students qualify through testing and recommendation by the campus LPAC Credit: One (1) local elective credit
This course is designed for students at the beginning level of English language proficiency with limited or interrupted schooling. Emphasis is placed on acquiring English and basic literacy skills including listening, speaking, reading, and writing,

English III

Prerequisites: A. Grade 11 B. Two credits of English Credit: One (state)
English III students are expected to produce and publish all forms of writing, including compositions, business communications, abstracts, and resumes. Students read extensively from American and world literature and interpret the influences of historical context on literary works. Students analyze literary elements and author's craft in literary and expository texts. Students use writing as a tool for learning through inquiry and research and present and evaluate oral presentations. Preparation for TAKS ELA 11 is included in the course.

AP English III

Prerequisites: A. Grade 11 B. Two credits of English C. Contract Credit: One (state)
AP English III provides a differentiated curriculum that is much more rigorous and academically challenging than English III. The course follows curriculum recommendations of the College Board as preparation for the AP English Language and Composition exam through extensive language and literary analyses and critiques. A summer reading component is required. Preparation for TAKS ELA 11 is included in the course.

English IV

Prerequisites: A. Grade 12 B. Three credits of English Credit: One (state)
English IV students compose and publish a variety of forms of written compositions, including business, personal, and literary. Students read extensively in multiple genres from British and other world literature and interpret the influences of historical context on literary works. Students continue to analyze literary elements and author's craft in both literary and expository texts and use writing as a tool for inquiry and research. Students use oral and visual representations to communicate with others.

AP English IV

Prerequisites: A. Grade 12 B. Three credits of English C. Contract Credit: One (state)
AP English IV provides a differentiated curriculum that is much more rigorous and academically challenging than English IV. The course follows curriculum recommendations of the College Board as preparation for the AP English Literature and Composition exam through extensive reading and literary analyses and critiques. A summer reading component is required.

English IV Academic

Prerequisites: A. Grade 12 B. Three credits of English Credit: One (state)
This course provides a study of English IV TEKS appropriate for college-bound twelfth graders, with an emphasis on the reading, writing, and thinking processes students need to be successful in college. Analysis of literary elements and author's craft in both literary and expository texts is included. Students learn to use writing as a tool for inquiry and research.

ENGLISH ELECTIVES

The reading courses and Practical Writing and Research/Tech Writing are currently being used as TAKS Remediation courses. Be sure to enroll every student who has failed TAAS or TAKS in the appropriate reading and/or writing course.

Reading IA/IB

Prerequisites: A. **Required for ninth grade students who have failed TAKS Reading 8** Credit: One-half to One (state)
B. Full credit course recommended
Reading I students receive instruction in word recognition, comprehension strategies, and vocabulary development, in order to learn to read with competence, confidence, and understanding. Students learn to locate information, read critically, evaluate sources, and draw supportable conclusions, and respond to open-ended questions using text evidence. All strategies are applied in texts that cross the disciplines and represent a variety of cultural groups. The course includes an emphasis on learning strategies with an introduction to test-taking strategies. This course is not designed for students who are reading on level and/or who passed TAKS Reading 8, TAKS Reading 9, Exit Level TAAS Reading, or TAKS ELA 10 or 11.

Reading IIA/IIB

Prerequisites: A. Required for tenth grade students who have failed TAKS Reading 9. Credit: One-half to One (state)
B. Teacher recommendation C. Full credit course recommended
Reading II students continue to develop the strategies begun in Reading I. Students also learn how texts are organized and how authors choose language for effect. Students read to increase knowledge of their own cultures and the cultures of others, as well as the common elements of culture. TAKS thinking and test-taking strategies are integral parts of this course. Not designed for students who have passed TAKS Reading 8, TAKS Reading 9, Exit Level TAAS Reading, or TAKS ELA 10 or 11.

Reading IIIA/IIIB

Prerequisites: A. Grades 11 – 12 or repeating grade 10 Credit: One-half to One (state)
B. Required for students not mastering Exit Level TAAS Reading or TAKS ELA 10 or 11
Reading III students continue to develop the skills and strategies begun in Reading I and Reading II. Emphasis is given to strategies and processes students learn to master the Exit Level TAAS Reading. Not designed for students who have passed Exit Level TAAS Reading or TAKS ELA 10 or 11.

Reading Application and Study Skills

Prerequisites: A. Recommended for students who have passed Exit Level TAAS Reading Credit: One-half (state)
B. Recommended for grades 10 – 12

Students taking Reading Application and Study Skills explore techniques for learning from reading and responding to texts and from reviewing study strategies. Students learn through printed text as well as through other forms, depending on available technology. This course focuses on advanced skills and processes demonstrated by competent, successful readers who will benefit from additional honing of study strategies necessary for success in college-level materials.

Practical Writing

Prerequisites: A. Grades 9 – 12 Credit: One-half to One (state)
B. Recommended for students not mastering Exit Level TAAS Writing or TAKS ELA 10 or 11

This is an intensive writing course in which students develop skills necessary for composing business correspondence. The course emphasizes skills in the use of the conventions and mechanics of written English, as well as effective use of English grammar and vocabulary. All are taught in the context of the writing process. Specific preparation for Exit Level TAAS Writing and TAKS is included.

Literary Genres: Survey of World Literature

Prerequisites: A. Grades 10 – 12 B. English I or Pre-AP English I Credit: One-half to One (state)

Literary Genres will provide a study of major literary works of multiple genres (novels, plays, etc.) by significant world authors. Content will vary each semester. The focus will be on guided discussions of the major works studied, literary analysis, and analysis of author's craft. This course will provide an extension of the literary works and genres studied in subsequent English courses. This is not a TAKS remediation course.

Research/Tech Writing

Prerequisites: A. Grades 9 – 12 Credit: One-half to One (state)
B. Writing course available for students not mastering Exit Level TAAS Writing or TAKS ELA 10 or 11

The study of technical writing allows students to develop skills necessary for writing persuasive, informative, and expository texts through the study of the writing process. This course will focus on applied communication and publishing through a variety of media. Preparation for TAKS ELA 10 and 11 is included.

Humanities

Prerequisites: A. Grades 11 – 12 B. English II plus teacher recommendation Credit: One (state)
C. Advanced credit available

Humanities is an interdisciplinary study of human cultural achievement in which students respond through reading, writing, and oral modes in an interactive format. Student understanding is demonstrated through a variety of media. Advanced credit is available for qualifying students who complete additional study and research.

Creative Writing

Prerequisites: A. Grades 10 – 12 B. English I or Pre-AP English I Credit: One-half to One (state)

Creative writing allows students to develop proficiencies in the writing of creative and imaginative genres, such as poetry and short stories. Students develop competence in effectively applying the conventions of written English in these genres, write for publication, and submit published pieces in competitions. This course serves as a forum for the publication of class and school anthologies. This is not a TAKS remediation course.

Literary Genres: Survey of World Literature

Prerequisites: A. Grades 10 – 12 B. English I or Pre-AP English I Credit: One-half to One (state)

Literary Genres will provide a study of major literary works of multiple genres (novels, plays, etc.) by significant world authors. Content will vary each semester. The focus will be on guided discussions of the major works studied, literary analysis, and analysis of author's craft. The course will provide an extension of the literary works and genres studied in subsequent English courses. This is not a TAKS remediation course.

ACT/SAT College Prep

Prerequisite: Grades 10-12 Credit: One-half (state)

The ACT/SAT College Prep course provides structure for students to master test-taking strategies in English and math for standardized tests. These include problem-solving skills, critical thinking skills, and vocabulary skills. Preparation for AP Exams is not included in the course.

FINANCE

Principles of Business, Marketing and Finance

Prerequisite: Grades: 9-10 Credit: One-half (state)

In this introductory level course students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course serves as the entry point into three different clusters: Business Management and Administration; Finance; and Marketing, Sales, and Service.

Banking and Financial Services

Prerequisite: Grades: 10-11 Credit: One (state)

Do you wonder what goes on behind the scene in a bank? What do they do with all of that money? In this course you will learn about the operations, sales, and management of banking institutions. Students develop knowledge and skills in the economical, financial, technological, international, social and ethical aspects of banking to become competent consumers, employees and / or entrepreneurs.

Accounting I

Prerequisite: Grades: 10-11

Credit: One (state)

This course will give you the skills to keep track of where your money goes and the reason for keeping financial records. Students engage in the process of recording, classifying, summarizing, analyzing and communicating accounting information. Students are introduced to industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Automated accounting software is introduced to students during this course.

Accounting II

Prerequisites: A. Grades: 11-12 B. Successful completion of Accounting I

Credit: One (state)

Would you like to make a lot of money, become a highly paid Chief Financial Office of a corporation? Students continue and expand the technological skills learned in Accounting I as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information applicable to the business environment for use in management decision making.

Practicum in Business Management and Administration

Prerequisite: Grades: 12

Credit: Three (state)

So now you think you are ready to apply your previously learned business knowledge and skills and go out into the real world? The Business Practicum has been designed to be a capstone activity for students who have taken a coherent sequence of courses from within the Business Management and Administration or Finance Clusters. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

HEALTH AND PHYSICAL EDUCATION

Health I

Prerequisite: A. Grades 9 – 12

Credit: One-half (state)

This course is a study in health awareness. Students learn to make healthy lifestyle decisions.

Foundations of Personal Fitness 1A

Prerequisite: A. Grades 9 – 10

Credit: One-half (state)

This comprehensive course emphasizes: (1) the effect of exercise on cardiovascular fitness, muscular endurance, strength, flexibility and body fat control, (2) the elements of threshold of training, and (3) your target fitness zone. It assists in promoting lifetime fitness.

Advanced Foundations of Health/Fitness 1B

Prerequisite: A. Foundations of Personal Fitness 1A

Credit: One-half (state)

Students will develop and implement their own health-related fitness program, including but not limited to advanced weight training, body building.

Physical Education

Prerequisite: A. Grades 9 – 12

Credit: One-half (state)

These P.E. classes are a study in skill development and lifetime fitness and sports appreciation.

Adventure/Outdoor Education – Emphasis is placed upon students' selection of activities that promote respect for the environment and that can be enjoyed for a lifetime. Class includes novice skills of the following, which may include but not be limited to: backpacking, camping, canoeing, hiking, orienteering.

Novice Aquatics – Beginning swimming lessons.

Lifeguard Training – Lifeguard and CPR training.

Aerobic Activities: A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation. This will include activities from 2 or more aerobic activities.

Team or Individual Sports:

Students learn the concepts of a variety of sports and participate in several activities in order to build health-related fitness.

Sports may include, but are not limited to: golf/disc golf, tennis, racquetball, handball, badminton, pickleball, weight training, Frisbee games, soccer, basketball, flag football, kickball, field hockey, Frisbee games, and much more.

Athletic Physical Education (Team Sports)

Prerequisite: A. Grades 9 – 12 B. Coach approval

Credit: One-fourth (state)

P.E. is offered in basketball, volleyball, football, soccer, baseball, cross country, track, softball, swimming, diving, and tennis. The students learn and practice skills related to all sports. Game participation is included.

Dance I

Prerequisite; A. Grades 9-12

Credit: One-half (state)

This course will provide usage, practical application, and knowledge in basic dance concepts and skills. This includes, Jazz, Hip Hop, Modern, Folk and Cultural Dances.

Students are required to earn one credit in physical education toward high school graduation, one half of which must be Foundations of Personal Fitness. Students may substitute certain physical activities for one-half to one of the required credits of physical education, including the one-half credit of Foundations of Personal Fitness. The substitutions include Drill Team, Marching Band, Cheerleading, Athletics (up to 4 credits), and JROTC. A maximum of four credits in physical education can be counted towards graduation.

HEALTH SCIENCE

Principles of Health Science

Prerequisite: Grades: 9-10

Credit: One-half (state)

This introductory level course is intended to introduce a student to the medical profession. Health care professionals need knowledge and skills to communicate using medical terms, chart patient care, and provide first aid and CPR. Students that complete the Principles of Health Science will be able to explore future opportunities in the healthcare field.

Medical Terminology

Prerequisite: Grades: 9-10

Credit: One-half (state)

A course designed to develop a working knowledge of the language of medicine. Students will achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology and pathophysiology

Health Science – Clinical Rotation

Prerequisite: Grades: 11

Credit: Two (state)

So you want to work at a hospital? You think the medical field is right up your alley? Then Health Science is just for you. This capstone level course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experience at a clinical rotation site secured by the district. Successful completion of Principles of Health Science and Medical Terminology in conjunction with teacher approval is required prior to enrollment.

World Health Research

Prerequisite: Grades 11 -12 Successful completion of Principles of Health Science.

Credit: One (state)

This course will provide students interested in the field of Health Care the opportunity to examine major world health problems and emerging technologies as solutions to medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.

Practicum in Health Science – Pharmacy Technician

Prerequisite: Grades: 12

Credit: Two (state)

This capstone level course is designed to teach students interested in receiving their Pharmacy Technician certification an opportunity to explore the career in depth and obtain the necessary training to prepare them for their state board. Students who successfully complete the required coursework and graduate from high school will sit for the state exam immediately upon graduation allowing them to enter the Pharmacy Technician field within weeks of graduation.

Pathophysiology

Prerequisite: Grades: 11-12

Credit: One-Half (state)

This course allows students to conduct laboratory investigations and field work, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology.

Medical Microbiology

Prerequisite: Grades: 11-12

Credit: One-half (state)

This lab oriented course allows students to explore the role of microbes in infectious disease, the relationships between microbes and health maintenance and advances in modern medicine.

Anatomy & Physiology

Prerequisites: A. Grades: 11-12 B. Biology I and Chemistry I

Credit: One (state)

This lab oriented course details the human body systems, structure and function, gross anatomy, cell specialization and pathology.

Advanced Anatomy & Physiology

Prerequisite: Grade: 11-12

Credit: One (state)

This rigorous lab-oriented course, involves in-depth study of the human body systems, structure and function, gross anatomy, cell specialization, pathology and independent research.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

HOSPITALITY AND TOURISM

Principles of Hospitality and Tourism

Prerequisite: Grades: 9-10

Credit: One (state)

This exciting introductory course will expose students to lodging, travel and tourism, recreations, amusements, attractions, resorts, and the restaurants and food beverage service industry.

Culinary Arts

Prerequisite: Grades: 10-11

Credit: Two (state)

Have you ever dreamed of running your own restaurant? What about winning awards for dishes you develop? This laboratory based course is for the student with a true interest in studying the culinary side of the Hospitality and Tourism cluster. It begins with the fundamentals and principles of the art of cooking and science of baking and includes management and production skills and techniques. Students will be involved in the daily operation of the student run restaurant, Ernie's Bistro. Students will have the opportunity to complete the National Restaurant Associations' ServSafe Food Safety Certification. Teacher approval is required prior to enrollment.

Practicum in Culinary Arts

Prerequisites: A. Grades: 11-12 B. Successful completion of Culinary Arts

Credit: Two (state)

This course has been designed to take the budding chef and refine their skills. The Practicum in Culinary Arts has been designed to be a capstone activity for students who have successfully completed the Culinary Arts course. The Practicum is designed to provide occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Students are taught job specific skills, job interview techniques, communication skills, financial and budget activities, human relations and portfolio development. The students in the Practicum serve as the lead chefs for the student run restaurant, Ernie's Bistro. Students will have the opportunity to complete the National Restaurant Associations' ServSafe Food Safety Certification. Teacher approval is required prior to enrollment.

Hotel Management

Prerequisite: Grades: 10-11

Credit: One-half (state)

Do you know what determines if a hotel is ranked as a four star or five star? Would you like to find out? This course focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. Course work includes the study of hotel departments such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. Some class focuses will include professional communication, leadership, management, human resources, technology, and accounting.

Travel and Tourism Management

Prerequisite: Grades: 10-11

Credit: One-half (state)

Have you ever wondered what it would be like to get paid to travel to great vacation spots? This course incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Practicum in Hospitality and Tourism

Prerequisites: A. Grades: 11-12 B. Hotel Management and/or Travel and Tourism Management

Credit: Two (state)

Have you ever thought about working in a hotel? Do you know what front of the house and back of the house means within the Hospitality world? This course will provide students with the academic and technical preparation to pursue high-demand and high-skill careers in hospitality related industries. A combination of classroom instruction with actual business industry career experiences will be utilized to ensure that students are ready for post-secondary. Hospitality Services in conjunction with the Practicum in Hospitality and Tourism course will serve as the capstone activity for students who have successfully completed the required prerequisites for enrollment. Students will be co-enrolled in both courses simultaneously. Students will participate in rotations at the internship site chosen by the district. Acceptance into the program is a requirement prior to enrollment.

Food Science Technology

Prerequisite: Grades: 12

Credit: One (state)

This laboratory based course is a study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.

Students taking this course will be required to have successfully completed at least one course from within the Hospitality and Tourism or Human Services clusters.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

HUMAN SERVICES

Principles of Human Services and Education

Prerequisite: Grades: 9-10

Credit: One (state)

This introductory level laboratory course that enables students to investigate careers in the human services and education clusters, including counseling and mental health, early childhood development, family and community, personal care services and education and training careers. Students will understand the basic knowledge and skills essential for success in either cluster.

Lifetime Nutrition and Wellness

Prerequisite: Grades: 10-11

Credit: One-half (state)

We have all heard the saying "you are what you eat". In our ever evolving global society this will become important to our lifetime of health and wellness. Students will develop knowledge and skills related to making informed choices regarding how our eating habits affect our way of life. The food labs will focus on healthy eating habits, safety and sanitation and management principles. Career exploration will include multiple areas of study including hospitality and tourism, education, human services, and health sciences.

Child Development

Prerequisite: Grade: 10-11

Credit: One (state)

This course is designed to provide knowledge and skills related to the development, care, guidance and protection of children. Promoting the physical, emotional, social and intellectual development of children, including those with special needs. Career exploration will include multiple areas related to the care and education of children.

Child Guidance

Prerequisite: Grades: 10-11

Credit: One (state)

Children are our future. In our culturally diverse society it is imperative that relationships with children are positive and developmentally appropriate based on each child's needs and abilities. This course is designed for the student who is interested in a career working with and/or for the benefit of children in a variety of settings.

Food Science Technology

Prerequisites: A. Grades: 12

Credit: One (state)

B. successfully completed at least one course from within the Hospitality and Tourism or Human Services clusters.

This laboratory based course is a study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

INFORMATION TECHNOLOGY

Principles of Information Technology

Prerequisite: Grades: 9-10

Credit: One (state)

This course will be an introductory level course launching a student on their way to becoming a computer expert. The course will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Computer Maintenance

Prerequisite: Grades: 10-11

Credit: One (state)

Have you ever wanted to take your computer apart and see what is inside? If you have, then this exploratory course is just for you. Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Telecommunications and Networking

Prerequisite: Grades: 10-11

Credit: One (state)

Now that you know what the inside of the computer looks like...do you want to know how all the computers in the building are connected? This course develops knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development.

Computer Programming

Prerequisite: Grades: 10-11

Credit: One (state)

Students will acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming

Advanced Computer Programming

Prerequisites: A. Grades: 11-12 B. Successful completion of Computer Programming Credit: One (state)

This advanced level course will expand student's knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions.

Digital and Interactive Multimedia

Prerequisites: Grades: 10-11 Credit: One (state)

In this course students will design and create multimedia projects with emerging technologies. Students will design, import, and manipulate text, graphics, audio, video, and animation with editing software. With the use of interactive media, the students will be able to identify appropriate software needed to solve customer needs and resolve real world problems.

Web Technologies

Prerequisite: Grades: 10-11 Credit: One (state)

This course provides students with an opportunity to develop and impact the sharing of information through web design. This course explores the roles of the Internet, and the use of web pages in real world applications. Students will develop skills in designing, creating, editing, and installing web pages while learning to access, navigate and maintain online services.

Problems / Solutions – Web Game Programming

Prerequisite: Grades 11-12 Credit: One (state)

After successfully completing Web Technologies, students will have the opportunity to use their acquired skills to demonstrate their understanding of technology concepts, systems and operations in the development of a fully functional online game.

Computer Technician

Prerequisites: A. Grades: 12 Credit: Two-Three (state)

B. Successful completion of Computer Maintenance and/or Telecommunications and Networking.

This capstone activity has been designed to give students knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will be provided with hands-on campus based activities within the computer maintenance / technician world. National certifications will also be offered based upon the student interest. Teacher approval is required prior to enrollment.

Research in IT Solutions

Prerequisites: A. Grades: 12 Credit: One (state)

B. Successful completion of a coherent sequence of courses within the Information Technology cluster.

This capstone course has been designed for the student who wants to take their study of the Information Technology cluster to the next level. Students gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Teacher approval is required prior to enrollment.

Career Preparation

Prerequisites: A. Grades: 12 Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

JOURNALISM

Journalism I

Prerequisites: A. Grades 9 – 12 Credit: One (state)

This course introduces students to the special techniques of journalistic writing, press laws, and the history of journalism. Students study format and techniques used in publishing material as well as the use of the camera and black/white photography, including darkroom skills. This course requires students to use advanced design skills/strategies.

Advanced Journalism Yearbook Production I Yearbook Production II Yearbook Production III

Prerequisites: A. Grades 10 – 12 B. Journalism I C. Teacher approval Credit: One (state)

Students learn the elements and process of yearbook production using desktop publishing.

Advanced Journalism Newspaper Production I Newspaper Production II Newspaper Production III

Prerequisites: A. Grades 10 – 12 B. Journalism I C. Teacher approval Credit: One (state)

Students learn printing principles, techniques, styles, and finances. Students use desktop publishing to produce the official student publication.

Advanced Journalism/Yearbook Production IV

Prerequisites: A. Grades 11 – 12 B. Four credits of journalism Credit: One (local)
C. Teacher approval

This local credit course allows advanced journalism students working on the yearbook staff to continue to work with the staff in a classroom setting. Course is designed only for students who have already earned four state credits of journalism.

Advanced Journalism/Yearbook Production V

Prerequisites: A. Grades 11 – 12 B. Four credits of journalism Credit: One (local)
C. Teacher approval

This local credit course allows advanced journalism students working on the yearbook staff to continue to work with the staff in a classroom setting. Course is designed only for students who have already earned four state credits of journalism.

Advanced Journalism/Newspaper Production IV

Prerequisites: A. Grades 11 & 12 B. Four credits of journalism Credit: One (Local)
C. Teacher approval

This local credit course allows advanced journalism students working on the newspaper staff to continue to work with the newspaper staff in a classroom setting. Course is designed only for students who have already earned four state credits of journalism.

Advanced Journalism/Newspaper Production V

Prerequisites: A. Grades 11 & 12 B. Four credits of journalism Credit: One-(Local)
C. Teacher approval

This local credit course allows advanced journalism students working on the newspaper staff to continue to work with the newspaper staff in a classroom setting. Course is designed only for students who have already earned four state credits of journalism.

Photojournalism A & B

Prerequisites: A. Grades 10 – 12 B. Journalism IA & IB Credit: One-half to One (state)
C. Teacher approval

This course provides study of photographic composition in a journalistic setting. Students learn advanced darkroom skills, cropping, proportioning, writing cutlines, and photo selection for student publications.

Independent Study I

Prerequisites: A. Grade 11 – 12 B. Teacher approval Credit: One-half (state)
C. Three credits Journalism

This course is a study of one or more of these topics: feature writing, editorials, in-depth reporting, column writing, sports reporting, and inter-viewing. Students conduct research and produce original works in areas of interest. This course also provides advanced use of desktop publishing.

Independent Study II

Prerequisites: A. Grade 11 – 12 B. Teacher approval Credit: One-half (state)
C. Three and one-half credits of Journalism

This course provides students opportunities for further study and research in one or more of the areas listed in Independent Study I.

LANGUAGES OTHER THAN ENGLISH

The Recommended High School Program requires two years of the same language for graduation. Under the Distinguished Achievement High School Program three years of the same foreign language are required for graduation.

Middle school students who successfully complete Spanish Level I receive one state credit and grade points toward graduation. Students are placed at Level II of the same language in high school.

French I

Credit: One (1) state credit

This course is an introduction to the French language that provides students with opportunities to develop language proficiency and to communicate in French. Students practice listening, speaking, reading, and writing skills using new vocabulary and structures. Additionally, students acquire an awareness of the culture of the French-speaking world and make comparisons to their own culture. Connections are made to other disciplines through the French language and culture. Opportunities are provided to use the French language both in and outside of school.

French II

Credit: One (1) state credit

Prerequisites: French I

This course starts with a review of language, concepts, and skills that were introduced in French I. French 2 builds and extends on communication skills already acquired. Students increase fluency in speaking and reading comprehension and further develop written communication. There is also continued study in the culture of the French-speaking world and the comparison to the student's culture. Connections are made to other disciplines through the French language and culture. Opportunities are provided to use the French language both in and outside of school.

French III

Credit: One (1) state credit

Prerequisites: French II

This course starts with a review of language, concepts, and skills that were introduced in French II. French III continues developing vocabulary and more complex language structures. Emphasis is placed on reading comprehension and writing skills. Students use the French language to expand the study of French-speaking cultures, history, art, and literature.

Pre-AP French III

Prerequisites: French II; Contract

Credit: One (1) state credit

Pre AP French III focuses on the same essential knowledge and skills as French III with added emphasis on communication and written skills, cultural analysis, and literary study.

AP French IV (Language)

Prerequisites: French III or Pre-AP French III; Contract

Credit: One (1) state credit

This course follows the College Board Advanced Placement Program for the French Language AP Exam. Students continue to develop a high degree of competency in reading, writing, listening, and speaking. Emphasis is placed on organization and writing of compositions. This course prepares students for the College Board Advanced Placement French Language Examination.

Spanish I

Prerequisite: None

Credit: One (1) state credit

This course is an introduction to the Spanish language that provides students with opportunities to develop language proficiency and to communicate in Spanish. Students practice listening, speaking, reading, and writing skills using new vocabulary and structures. Additionally, students acquire an awareness of the culture of the Spanish-speaking world and make comparisons to their own culture. Connections are made to other disciplines through the Spanish language and culture. Opportunities are provided to use the Spanish language both in and outside of school.

Spanish II

Prerequisites: Spanish I

Credit: One (1) state credit

This course starts with a review of language, concepts, and skills that were introduced in Spanish I. Spanish 2 builds and extends on communication skills already acquired. Students increase fluency in speaking and reading comprehension and further develop written communication. There is also continued study in the culture of the Spanish-speaking world and the comparison to the student's culture. Connections are made to other disciplines through the Spanish language and culture. Opportunities are provided to use the Spanish language both in and outside of school.

Spanish I / II

Spanish for Spanish Speakers

Prerequisites: Oral and written placement test in Spanish and interview with a Spanish teacher; Credit: Two (2) state credits in one year
(Students must complete both semesters to receive credit for Spanish I/II.)

This course is designed for native Spanish speakers who have oral language skills in Spanish. Students develop and refine their language skills by focusing on formal oral communication, reading comprehension, writing, and grammar.

Spanish III

Prerequisites: Spanish II

Credit: One (1) state credit

This course starts with a review of language, concepts, and skills that were introduced in Spanish II. Spanish III continues developing a more extensive vocabulary and conversational Spanish. Students continue to develop and practice more complex language structures. Emphasis is placed on reading comprehension and writing skills. Students use the Spanish language to expand the study of Spanish-speaking countries, their cultures, history, art, and literature.

Pre-AP Spanish III

Prerequisites: Spanish III; Contract

Credit: One (1) state credit

Pre AP Spanish III focuses on the same essential knowledge and skills as Spanish III with added emphasis on communication and written skills, cultural analysis, and literary study.

AP Spanish

Prerequisites: Native Spanish-speaker Background; Oral and written placement test in Spanish and interview with a Spanish teacher; Open Enrollment Contract may be waived

Credit: One (1) state credit

This course follows the College Board Advanced Placement Program for the Spanish Language AP Exam. Identified Spanish native-speakers improve their command of Spanish communicative skills that strengthen accuracy and fluency. Students expand their vocabulary and comprehension through reading authentic sources in Spanish, such as newspapers, magazine articles, and literature. This course prepares students for the College Board Advanced Placement Spanish Language Examination.

AP Spanish IV (Language)

Prerequisites: Spanish III or Pre-AP Spanish III; Contract

Credit: One (1) state credit

This course follows the College Board Advanced Placement Program for the Spanish Language AP Exam. Students develop a command of Spanish with strong communicative skills that include accuracy and fluency. Students expand their vocabulary and comprehension through reading authentic sources in Spanish, such as newspapers, magazine articles, and literature. This course prepares students for the College Board Advanced Placement Spanish Language Examination.

AP Spanish V (Literature)

Prerequisites: AP Spanish IV (Language), AP Spanish IV Language (SNSP) or a score of 3, 4, or 5 on the AP Spanish Language Exam; Contract

Credit: One (1) state credit

This course follows the College Board Advanced Placement Program for the Spanish Literature AP Exam. Students are introduced to a comprehensive and diverse list of literature written in Spanish. Students will reflect, analyze, and discuss the novels, stories, and poetry in the Spanish language. This course prepares students for the College Board Advanced Placement Spanish Literature Examination.

AP Spanish VI (Literature)

Prerequisite: AP Spanish V (Literature), AP Spanish V (SNSP), or a score of 3, 4 or 5 on the AP Examination. Credit: one (1) state credit

This course follows the College Board Advanced Placement Program for Spanish Literature. Students continue with a comprehensive and diverse list of literature written in Spanish. Students will reflect, analyze, and discuss the literature read in Spanish. This course prepares students for the College Board Advanced Placement Spanish Literature Examination.

Chinese I

Prerequisite: None

Credit: One (1) state credit

This course provides an introduction to the Chinese language. Students will achieve novice level skills in the domains of listening, speaking, reading, and writing, with primary focus on developing listening and speaking skills. The course includes the TEKS for Languages Other Than English and the goals of communication, cultures, connections, comparisons and communities.

Chinese II

Prerequisite: Chinese I

Credit: One (1) state credit

In this course students will expand their knowledge of the Chinese language continuing to develop listening and speaking skills and introducing more reading and writing skills. The aim is for students to achieve a high novice or intermediate level of proficiency. The course includes the TEKS for Languages Other Than English and the goals of communication, cultures, connections, comparisons, and communities.

Chinese III

Prerequisite: 2 credits in Chinese

Credit: One (1) state credit

This course provides practice in the four skills of listening, speaking, reading, and writing in Chinese. Students continue to develop proficiency in the Chinese language with an emphasis on written and verbal communication skills and building cultural understanding. The course requires students to demonstrate the intermediate level of Chinese proficiency in the communicative modes (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities).

Pre-AP Chinese III

Prerequisite: 2 credits in Chinese

Credit: One (1) state credit

This course focuses on the same essential knowledge and skills as Chinese III with added emphasis on communication and written skills, cultural analysis, and literary study.

AP Chinese IV – Language

Prerequisite: 2 credits in Chinese (minimum)

Credit: One (1) state credit

This course follows the College Board Advanced Placement Program for Chinese and is comparable to a university-level course in Mandarin Chinese. Students are immersed into the language and culture of the Chinese-speaking world, demonstrating their level of Chinese proficiency in the communicative modes (interpersonal, interpretive, and presentational) and the five goal areas (Communication, Cultures, Connections, Comparisons, and Communities).

Arabic I

Prerequisite: None

Credit: One (state)

This course provides an introduction to the Arabic language. Student will begin to develop speaking, listening, reading and writing skills in Arabic. The course includes the TEKS for Language Other Than English and the goals of communication, cultures, connections, comparisons, and communities.

Arabic II

Prerequisite: Arabic I

Credit: One (state)

This course will expand students' knowledge of the Arabic language by continuing to develop listening, speaking, reading and writing. The course includes TEKS for languages Other Than English and the goals of communication, cultures, connections, comparisons and communities.

MANUFACTURING

Principles of Manufacturing

Prerequisites: A. Grades: 9-10 B. Algebra I or Geometry is recommended

Credit: One-half (state)

Do you want to be a part of one of the fastest growing fields in the Gulf Coast area? The study of manufacturing technology allows students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. Students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Welding

Prerequisites: A. Grades: 10-11 B. Algebra I recommended

Credit: One (state)

Rapid advances in technology have created new career opportunities and demands in many industries. This class provides the knowledge, skills, and technologies required for employment in metal technology systems. This course supports the integration of academic and technical knowledge and skills. Students reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Career opportunities, entry requirements, and industry expectations will be studied in greater depth.

Advanced Welding

Prerequisites: A. Grades: 11-12 B. Successful completion of Welding

Credit: Two (state)

Students will develop advanced welding concepts and skills as they relate to personal and career development. Upon successful completion students will be qualified as a professional welder and be ready to enter into industry based work to become certified.

Teacher approval is required prior to enrollment in this course.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

MARKETING, SALES AND SERVICE

Principles of Business, Marketing and Finance

Prerequisite: Grades: 9-10

Credit: One-half (state)

In this introductory level course students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course serves as the entry point into three different clusters: Business Management and Administration; Finance; and Marketing, Sales, and Service.

Sports and Entertainment Marketing

Prerequisite: Grades: 10-11

Credit: One-half (state)

Why do athletes and entertainers make so much money from endorsements? This semester long course provides students with the basic marketing strategies, advertising, sponsorship, and customer service in the sports and entertainment fields to include sporting events, movies, TV, amusement parks, travel & tourism, theater, stadium design, event planning, and recording contracts. The business, financial, and legal aspects of the industry are discussed.

Advertising and Sales Promotion

Prerequisite: Grades: 10-11

Credit: One-half (state)

Why do some products become the "hit" item of the year? To find out the answer to this question and more consider studying Advertising and Sales Promotion. Students will be introduced to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as integrated marketing communications.

Fashion Marketing

Prerequisite: Grades: 10-11

Credit: One-half (state)

Fashion Marketing is designed to provide students with the knowledge of the various business functions in the fashion industry. This class provides students with a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

Entrepreneurship

Prerequisite: Grades: 11-12

Credit: One (state)

Want to be your own boss? The primary focus of this course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired and the potential for profit. Students will be actively involved in the day-to-day operations of running a retail business.

Marketing Dynamics

Prerequisites: A. Grades: 12 B. Successful completion of Entrepreneurship

Credit: One (state)

This advanced level course will allow students to take the skills developed in Entrepreneurship. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Teacher approval is required prior to enrollment in this course.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

MATHEMATICS

Algebra I

Prerequisites: None

Credit: One (state)

Algebra serves as a foundation for all higher-level mathematics courses. This course focuses on the development of functions and the understanding of functional relationships. Students study multiple representations of functions and explore the effects of parameter changes on linear, quadratic, and other nonlinear functions using appropriate technology.

Pre-AP Algebra I

Prerequisites: None

Credit: One (state)

Students are provided with an in-depth study of Algebra. This course requires higher-level thinking, independent study, and research on special topics.

Geometry

Prerequisites: A. Algebra I

Credit: One (state)

Students investigate the principles of logic using inductive and deductive reasoning and explore properties and relationships having to do with size, shape, direction, and orientation of zero, one, two, and three-dimensional geometric figures.

Pre-AP Geometry

Prerequisites: A. Algebra I

Credit: One (state)

Students are provided with an in-depth study of Geometry. This course requires higher-level thinking, independent study, and research on special topics.

Mathematical Models with Applications

Prerequisites: A. Algebra I

Credit: One-half to One (state)

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure to model information and solve problems. Students model and solve real-life problems involving finance, data, chance, patterns, music, design, and science. Students use a variety of tools, representations, and technology to link modeling techniques with mathematical concepts to solve applied problems.

Algebra IIA & B

Prerequisites: A. Algebra I

Credit: One-half to One (state)

Students use a variety of representations, tools, and technology to model mathematical situations and solve meaningful problems involving linear, quadratic, rational, radical, conic, exponential, and logarithmic functions.

Pre-AP Algebra IIA & IIB

Prerequisites: A. Algebra I

Credit: One-half to One (state)

Students are provided with an in-depth study of Algebra II. This course requires higher-level thinking, independent study, and research on special topics.

Algebra III (Independent Study in Math)

Prerequisites: Algebra II

Credit: one (state)

Students extend understanding of topics introduced in Algebra II to prepare for post-secondary study.

Pre-Calculus A & B

Prerequisites: A. Algebra I

B. Algebra II credit AND

C. Geometry credit

Credit: One-half to One (state)

Students use a variety of representations, tools, and technology to investigate the properties of sequences, series, vectors, as well as polynomial, circular, and trigonometric functions and their applications. Students continue to build on foundation concepts developed in Algebra I, Algebra II, and Geometry.

Pre-AP Pre-Calculus A & B

Prerequisites: A. Algebra I

B. Algebra II credit AND

C. Geometry credit

Credit: One-half to One (state)

Students are provided with an in-depth study of Pre-Calculus expanded to include opportunities for higher-level thinking, independent study, and research on special topics.

AP Statistics

Prerequisites: A. Algebra II

Credit: One (state)

Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The topics for this course are divided into four broad conceptual themes: exploratory analysis, planning a study, probability, and statistical inference. This course is designed to prepare students for the Advanced Placement College Board Examination.

Discrete Mathematics (Independent Study in Math)

Prerequisites: A. Algebra II

Credit: One-half (state)

Discrete mathematics is an activity-based course which explores social decision-making, graph theory, counting techniques, matrix models, and recursion. This course utilizes computers, graphing calculators, and the Internet.

AP Calculus AB

Prerequisites: A. Pre-Calculus

Credit: One (state)

Calculus provides an axiomatic development of the concepts of the derivative and the integral and their applications. This course also includes the study of limits and continuity. This course is designed to prepare students for the Advanced Placement College Board Examination. Upon successful performance on the AB Calculus Exam, a student may have the potential to earn the equivalent of Calculus I at the college level.

AP Calculus BC

Prerequisites: A. Pre-Calculus

Credit: One (state)

Calculus BC is an extensive study of Calculus. The topics include all those listed under AP Calculus AB above along with the topics of infinite sequences and series, vector functions, parametrically-defined functions, and elementary differential equations. This course is designed to prepare students for the Advanced Placement College Board Examination. Upon successful performance on the BC Calculus Exam, a student may have the potential to earn the equivalent of Calculus I and II at the college level.

Advanced Quantitative Reasoning

Prerequisite: Algebra II

Credit: One (state)

Advanced Quantitative Reasoning includes a strong emphasis on statistics, financial applications, and the use of mathematical models to solve problems in a range of engaging contexts. Advanced Quantitative Reasoning deals with a variety of interesting topics such as voting and polling; understanding credit, debit, and investments; and managing data. Advanced Quantitative Reasoning will help make sense of the numerical and quantitative information encountered on a daily basis; these skills will transfer to a variety of future paths either in college or the workplace.

MUSIC

Cadet Band

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

Cadet Band emphasizes fundamentals. It is for students performing basic repertoire.

Concert Band I

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

Concert Band I stresses medium to advanced technical skills and ability. Counting, tone production, and sight reading are emphasized. It is the third performing group.

Concert Band II

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

This course emphasizes fundamentals in technique skills, tone production, counting and reading more complex rhythms. It is the fourth performing group.

Symphonic Band

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

Symphonic Band teaches advanced technical skills. Reading and performing more extensive band literature is required. This is the most advanced performing group. Additional requirements to Honors Symphonic Band include solo recital, research study, and/or theory/composition project.

Advanced Concert Band

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One (state)

Symphonic Band teaches advanced technical skills. Reading and performing more extensive band literature is required. This is a highly advanced performing group.

Stage Band

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

The Stage Band class covers the study of jazz and popular music.

Concert Orchestra

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

This class teaches fundamentals of string playing, plus emphasizes counting and reading. It further develops technical skills.

Philharmonic Orchestra

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

Advanced technical skills and ability in string playing are covered in Philharmonic Orchestra. It also teaches study and performance of advanced orchestra literature.

Symphony Orchestra

Prerequisites: A. Grades 11 – 12 B. Director approval

Credit: One (state)

Advanced technical skills and ability in string playing are covered in Symphony Orchestra. It also teaches study and performance of advanced orchestra literature.

Additional requirements include solo recital, research study and/or theory/composition project.

Instrumental Ensemble

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

This class consists of small group and individualized study of instrumental solo/ensemble literature and performance.

Concert Choir

Prerequisites A. Grades 9 – 12

Credit: One to Four (state)

Fundamental choral and vocal techniques are taught in Concert Choir. Tone, balance, blend and sight-reading are stressed.

Treble Chorus I

Prerequisites: A. Grades 9 – 12 B. Open to any interested soprano or alto voice

Credit: One to Four (state)

This is an introduction to vocal and choral techniques with regard to tone and reading skills.

Treble Chorus II

Prerequisites: A. Grades 9 – 12 B. Director approval

Credit: One to Four (state)

Advancement and reinforcement of vocal and choral techniques with regard to tone and reading skills are taught in Treble Chorus II.

Tenor/Bass Chorus

Prerequisites: A. Grades 9 – 12 B. Open to any interested tenor or bass voice

Credit: One to Two (state)

This class covers the introduction to vocal and choral techniques with regard to tone and reading skills.

Chorale

Prerequisites: A. Grades 9 – 12 B. Director approval by audition

Credit: One to Four (state)

Highly advanced vocal/choral techniques are covered along with the study and performance of advanced choral literature. This is the most advanced performing group.

Advanced Chorale

Prerequisites: A. Grades 11 – 12 B. Director approval by audition Credit: One (state)
Highly advanced vocal/choral techniques are covered along with the study and performance of advanced choral literature. Additional choral requirements include solo recital, research study, and/or a theory/composition project. This is the most advanced performing group.

Music Theory IA & IB

Prerequisites: A. Grades 9 – 12 B. Prior musical training in a vocal or instrumental line Credit: One (state)
Music Theory IA & IB teaches fundamental piano techniques. It also emphasizes written and applied theory.

Music Theory IIA & IIB

Prerequisites: A. Grades 10 – 12 B. Music Theory Credit: One (state)
Advanced choral structure, harmonization, and ear training are taught in Music Theory IIA & IIB.

Vocal Ensemble

Prerequisites: A. Grades 9 – 12 B. Director approval Credit: One to Four (state)
Vocal Ensemble covers individualized and small group study of choral/solo ensemble, literature, and performance.

Instrumental Ensemble-Handbells

Prerequisites: A. Grades 9-12 B. Director Approval Credit: One to four
Instrumental Ensemble-Handbells covers individualized and small group study of ensemble literature and performance.

AP Music Theory

Prerequisites: A. Grades 11 – 12 B. Teacher recommendation Credit: One (state)
C. Private music study or prior Fine Arts music credit. Minimum 2 years.
This course is an advanced theoretical analysis and composition. It is designed to prepare the student for the advanced placement exam in Music Theory.

SCIENCE

Integrated Physics and Chemistry

Prerequisites: A. Grades 9-12 Credit: One (state)
This course integrates the disciplines of physics and chemistry through the study of the topics of motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions, using critical thinking and scientific problem solving. (Must be taken prior to Chemistry and Physics or Conceptual Physics for credit)

Biology I

Prerequisites: A. Grades 9-12 Credit: One (state)
This lab-oriented course involves the study of topics such as: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

Pre-AP Biology I

Prerequisites: A. Grades 9-12 Credit: One (state)
This rigorous lab-oriented course adds independent research to in-depth study of cell biology, biochemistry, genetics, botany, physiology, zoology, and theories of life.

AP Biology II

Prerequisites: A. Grades 11-12 B. Biology I C. Chemistry I Credit: One (state)
D. Physics I recommended
Students examine in-depth molecular and cellular biology, structure and function, population biology, and use independent research in a lab-oriented Advanced Placement course.

Chemistry I

Prerequisites: A. Grades 10-12 B. Algebra II (may be concurrent) Credit: One (state)
This lab-oriented course covers topics such as: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; stoichiometry; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students investigate how chemistry is an integral part of our daily lives.

Pre-AP Chemistry I

Prerequisites: A. Grades 10-12 B. Algebra I Credit: One (state)
This rigorous lab-oriented course offers in-depth study of atomic structures, chemical bonding, formulas and equations, gas laws, acids and bases, solutions, qualitative analysis, and independent research.

AP Chemistry II

Prerequisites: A. Grades 11-12 B. Chemistry I C. Physics I (may be concurrent) Credit: One (state)
This lab-oriented Advanced Placement course examines in-depth structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics, basic thermodynamics, and independent research.

Physics I

Prerequisites: A. Grades 10-12 B. Algebra II

Credit: One (state)

This lab-oriented course investigates the physical laws of nature, including laws of motion, forces, energy, thermodynamics, waves, light, electricity, magnetism, and simple modern physics.

Pre-AP Physics I

Prerequisites: A. Grades 10-12 B. Algebra II C. Pre-Calculus (may be concurrent)

Credit: One (state)

This rigorous lab-oriented course adds independent research to the in-depth study of physical laws of nature, including laws of motion, forces, energy, thermodynamics, waves, light, electricity, magnetism, and simple modern physics.

AP Physics B

Prerequisites: A. Grades 10-12 B. Physics I C. Pre-Calculus (may be concurrent)

Credit: One (state)

This rigorous lab-oriented course reviews the concepts of Physics I and applies them in more depth. This course also includes rotation, simple harmonic motion, fluids, more thermodynamics, more waves, more light, and more modern physics. This is an algebra and trigonometry based course that follows the outline of the Advanced Placement Physics B exam.

AP Physics C

Prerequisites A. Grades 11-12 B. Chemistry I (may be concurrent)

Credit: One (state)

C. Physics I OR AP Physics B D. Calculus (may be concurrent)

This rigorous lab-oriented course reviews the mechanics, electricity, and magnetism concepts of Physics I and applies them in more depth. This course also includes rotation, simple harmonic motion, capacitors, inductors, and Maxwell's equations. This is a calculus based course that follows the outline of the Advanced Placement Physics C exam.

Anatomy and Physiology of Human Systems

Prerequisites: A. Grades 11-12 B. Biology I C. Chemistry I (may be concurrent)

Credit: One (state)

This lab-oriented course deals with human body systems structure and function, gross anatomy, cell specialization, and pathology.

Advanced Anatomy and Physiology of Human System

Prerequisites: A. Grades 11-12 B. Biology I C. Chemistry

Credit: One (state)

This rigorous lab-oriented course involves in-depth study of body systems, gross and microscopic anatomy, pathology, and independent research.

Astronomy

Prerequisites: A. Grades 11-12 B. Biology C. one other science credit

Credit: One (state)

This lab-oriented course includes the study of the universe; scientific theories of the evolution of the universe; characteristics and the life cycle of stars; exploration of the universe; role of the Sun in our solar system; planets; and the orientation and placement of the Earth.

Environmental Systems

Prerequisites: A. Grades 10-12 B. Biology C. Chemistry (may be concurrent)

Credit: One (state)

This lab-oriented course examines relationships and interactions of organisms in their natural settings and the impact of humans on those relationships.

AP Environmental Science

Prerequisites: A. Grades 11-12 B. Biology I C. Chemistry I (may be concurrent)

Credit: One (state)

This lab-oriented Advanced Placement course includes the in-depth study of biotic and abiotic factors in habitats; ecosystems, and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationships between carrying capacity and changes in populations and ecosystems; and changes in environments. Students conduct prescribed field and laboratory investigations, use scientific methods during investigations, and analyze complex problems.

Aquatic Science

Prerequisites: A. Grades 11-12 B. Biology I C. One other science credit

Credit: One (state)

This course includes the study of components of an aquatic ecosystem, relationships among aquatic habitats and ecosystems, roles of cycles within an aquatic environment, adaptations of aquatic organisms; changes within aquatic environments; geological phenomena, fluid dynamics effects, and origin and use of water in a watershed.

Earth and Space Science

Prerequisite: A, Grades 11-12 B. three units of science (one may be taken concurrently)

C. three units of mathematics (one may be taken concurrently)

Credit: One (state)

This capstone course is recommended for students in Grade 12, but may be taken by students in Grade 11. EES is designed to build on prior scientific and academic knowledge and skills. This lab-oriented course has three themes: Earth in space and time (original, evolution and properties of Earth and planetary systems) solid Earth (the complex, interacting subsystems linking Earth's interior to its surface) and fluid Earth (hydrosphere, cryosphere, and atmosphere subsystems). The course focuses on systems, energy and relevance within these topics.

Principles of Technology I ARTICULATED COURSE

Prerequisite: A. Grades 11-12 B. One course in science and Algebra I

Credit: One science credit (state)

An applied physics course designed to provide a study in force, work, rate, resistance, energy, power and force transformers as applied to mechanical, fluid, thermal, and electrical energy that comprise simple and technological devices and equipment. The course reinforces the mathematics applications a student needs to understand to apply the principles being studied.

Medical Microbiology

Prerequisites: A. Grades 11-12 B. Biology I C. Chemistry I (may be concurrent)

Credit: One-half (state)

In this lab-oriented course students explore the role of microbes in infectious disease, the relationships between microbes and health maintenance, and advances in modern medicine.

Applications of Electric Theory

Prerequisites: A. Grades 11-12 B. AP Physics B or AP Physics C Credit: One-half (local)
This lab-oriented mathematically intensive course carries the concepts of electricity and magnetism into real-world circuitry involving both theoretical and experimental processes: steady-state systems, time-dependent systems, diodes, transistors, and transistor circuits.

Pathophysiology

Prerequisites: A. Grades 11-12 B. Biology C. Chemistry Credit: One-half (state)
This lab oriented course is designed for students to study diseases and the processes that cause disease.

Science TAKS Prep

Prerequisite: Juniors and Seniors who have not passed Science TAKS Credit: One-half to one (local)
This course will provide a focused study of the 5 Science TAKS Objectives: Nature of Science; Organization of Living Systems; Interdependence of Organisms; Structures and Properties of Matter; Motion, Forces, and Energy. Students will examine these topics in depth with an emphasis on laboratory skills.

Forensics

Prerequisite: none Credit: one (state)
This lab-oriented, thematic course covers such topics as: Crime Scene Investigation, Nature of Evidence, Separating Complete Mixtures, Light and Matter, Microscopy, Fingerprints and other Impressions, Serology and Blood Stain Patterns, DNA Typing, Hairs, Fibers, Toxicology, etc.
Forensics is a course elective under the 4 X 4 science credits. Student will have another option to learn about careers in science such as law enforcement, chemists, biologists, etc.

SOCIAL STUDIES

World Geography

Prerequisites: A. Grades 9 – 12 Credit: One (state)
Provides a study of people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography.

Pre-AP World Geography

Prerequisites: A. Grades 9 – 12 Credit: One (state)
Provides a study of world geography, with emphasis on skills necessary for success in the Advanced Placement social studies program. The course provides opportunities for students to analyze and interpret data, communicate effectively, and improve study and test-taking skills.

AP Human Geography

Prerequisites: None Credit: One (state) (substitutes for World Geography)
The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

Elective AP Human Geography

Prerequisites: None Credit: One-half elective credit (state)
The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

World History Studies

Prerequisites: A. Grade 10 Credit: One (state)
World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world.

Pre-AP World History

Prerequisites: A. Grade 10 Credit: One (state)
Provides a study of world history, with emphasis on skills necessary for success in the Advanced Placement social studies program. The course provides opportunities for students to analyze and interpret data, communicate effectively, and improve study and test-taking skills.

AP World History

Prerequisites: A. World Geography, Pre-AP World Geography or AP Human Geography Credit: One (state) (substitutes for World History)
The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies.

United States History Studies Since 1877

Prerequisites: A. Grade 11

Credit: One (state)

In United States History Studies Since 1877, historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process.

AP United States History

Prerequisites: A. Grades 11 – 12

Credit: One (state)

B. May be taken in lieu of regular United States History to meet graduation requirements.

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship.

United States Government

Prerequisites: A. Grades 11-12

B. U.S. History

Credit: One-half (state)

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history.

AP United States Government and Politics

Prerequisites: A. Grades 11-12 B. U.S. History

Credit: One-half (state)

C. May be taken in lieu of regular United States Government to meet graduation requirements.

United States Government and Politics is designed to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

AP Comparative Government and Politics

Prerequisite: A. AP U.S. Government and Politics B. Grades 11-12

Credit: One-half (state)

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course covers specific countries and their governments.

Economics with Emphasis on the Free Enterprise System and Its Benefits

Prerequisites: A. Grades 11-12 B. U.S. History

Credit: One-half (state)

Economics with Emphasis on the Free Enterprise System and Its Benefits focuses on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. The course also incorporates instruction in personal financial literacy.

AP Macroeconomics

Prerequisites: A. Grades 11-12

Credit: One-half (state)

B. May be taken in lieu of regular Economics to meet graduation requirements

The AP course in macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

AP Microeconomics

Prerequisites: A. AP Macroeconomics or AP Economics/Free Enterprise

Credit: One-half (state)

B. Grades 11-12

The AP course in microeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

Sociology

Prerequisites: A. Grades 10 – 12

Credit: One-half (state)

Sociology is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

Psychology

Prerequisites: A. Grades 10 – 12

Credit: One-half (state)

In Psychology, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

AP Psychology

Prerequisites: A. Grades 10 – 12

Credit: One-half (state)

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AP European History

Prerequisites: A. Grades 11 – 12

Credit: One-half to One (state)

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

Social Studies Research Methods

Prerequisites: A. Grades 9 – 12

Credit: One-half each class up to Two (state)

In Social Studies Research Methods, an elective course, students conduct advanced research on a selected topic in social studies using qualitative and/or quantitative methods of inquiry. Students present their research results and conclusions in written and visual or oral format. The course is designed to be conducted in either classroom or independent settings.

Social Studies Advanced Studies

Prerequisites: A. Grades 9 – 12

Credit: One-half each class up to Two (state)

In Social Studies Advanced Studies, an elective course, students conduct in-depth research, prepare a product of professional quality, and present their findings to appropriate audiences. Students, working independently or in collaboration with a mentor, investigate a problem, issue, or concern; research the topic using a variety of technologies; and present a product of professional quality to an appropriate audience.

Special Topics in Social Studies

In Special Topics in Social Studies, an elective course, students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives. Students may take this course with different course content for a maximum of two (state) credits.

The following courses are offered as Special Topics in Social Studies:

American Culture Studies

Prerequisites: A. Grades 9 – 12

Credit: One-half (state)

A study of selected cultural, racial and ethnic groups and their contributions to American society.

American History for New Americans

Prerequisites: A. Grades 9 – 12 B. Selection process

Credit : One-half (state)

This survey course of early United State History (1607-1865) provides students an opportunity to explore basic concepts of U.S. political history, including our English political heritage and the founding documents.

Academic Decathlon Prep

Prerequisites: A. Grades 10 – 12 B. Teacher approval

Credit: One-half (state)

Academic Decathlon team members conduct research and collectively teach and/or learn from each other in the ten different subject areas included in the national competition.

Street Law

Prerequisites: None

Credit: One-half to One (state)

This course provides students an opportunity to understand their legal rights and responsibilities, learn about everyday legal problems, analyze, evaluate, and in some situations, resolve legal disputes.

Mapping with Computers

Prerequisites: None

Credit: One-half (state)

This course introduces students to geographic information systems (GIS) and provides opportunities to interpret, analyze, and create various kinds of maps.

Success in Social Studies

Prerequisites: None

Credit: One-half each class up to Two (state)

This course provides accelerated instruction in the knowledge and skills necessary for success in High School Social Studies courses that are assessed by the End of Course Test (STAAR). By the end of this course students will have reviewed assessed curriculum in World Geography, World History, or United States History.

AP Social Studies – Skills for Success

Prerequisites: Grades 9-12

Credit: One-half each class up to Two (state)

This course will help students develop the reading, writing, and analysis skills necessary for success in Advanced Placement social studies courses and on Advanced Placement social studies exams.

Holocaust and Genocide Studies

Prerequisites: Grades 9-12

Credit: One-half each class up to Two (state)

This course is an in-depth study of the Holocaust, from the rise of anti-Semitism through the post World War II time period. Students will also study other 20th and 21st century genocidal events such as Armenia, Ukraine, Cambodia, the former Yugoslavia, Rwanda and Sudan. By the end of the course, the students will have the skills to critically evaluate history and identify the roles that individuals, governments and international organizations play in creating that history. Students will also develop citizenship skills that empower them to act.

**STEM-ENGINEERING
SCIENCE, TECHNOLOGY, ENGINEERING AND MATH**

Introduction to Engineering Design

Prerequisites: Grades: 9-10

Credit: One (state)

Do you like to take things apart just to see how they work? Introduction to Engineering Design, a Project Lead the Way Pre-Engineering foundation course, allows students to use sophisticated 3D modeling software to improve existing products, invent new ones, and communicate the details of the products to others. Teacher approval is required prior to enrollment in this course.

Principles of Engineering

Prerequisite: Grades: 9-10

Credit: One (state)

So you want to be an engineer but aren't sure what type? Principles of Engineering, a Project Lead the Way Pre-Engineering foundation course, allows students activities, projects, and problems to explore the wide variety of careers in engineering and technology and examine various technology systems and manufacturing processes. Teacher approval is required prior to enrollment in this course.

Digital Electronics

Prerequisite: Grades: 9-10

Credit: One (state)

Digital Electronics, a Project Lead the Way Pre-Engineering foundation course, uses computer simulations to teach students about the logic of electronics as they design, test, and construct circuits and devices. Teacher approval is required prior to enrollment in this course.

Aerospace Engineering

Prerequisites: A. Grades: 10-12 B. Successful completion of two PLTW foundation courses

Credit: One (state)

Aerospace Engineering (AE) uses hands-on engineering projects and problems to teach students about aerodynamics, astronautics, space-life sciences, and systems engineering. Teacher approval is required prior to enrollment in this course.

Biotechnology Engineering

Prerequisites: A. Grades: 10-12 B. Successful completion of two PLTW foundation courses

Credit: One (state)

Biotechnology Engineering (BE) employs relevant projects from biotechnology, bioengineering, biomedical engineering, and biomolecular engineering to teach students to apply and develop secondary-level knowledge and skills in biology, physics, technology, and mathematics. Teacher approval is required prior to enrollment in this course.

Computer Integrated Manufacturing

Prerequisites: A. Grades: 10-12 B. Successful completion of two PLTW courses

Credit: One (state)

Computer Integrated Manufacturing (CIM) gives students the opportunity to employ automation, control systems, sensing devices, computer programming, and robotics to efficiently mass-produce a product using a 3D model. Teacher approval is required prior to enrollment in this course.

Civil Engineering and Architecture

Prerequisites: A. Grades: 10-12 B. Successful completion of two PLTW foundation courses

Credit: One (state)

Civil Engineering and Architecture (CEA) provides an overview of the fields of civil engineering and architecture, emphasizing the interrelationships of the two fields. Teacher approval is required prior to enrollment in this course.

Engineering Design and Development

Prerequisites: A. Grades: 12

Credit: One (state)

B. Successful completion of two PLTW foundation courses and one specialization course

Engineering Design and Development (EDD) serves as the capstone course of the Project Lead the Way Pre-Engineering Program. This course will give students the opportunity to work in teams to solve problems of their own choosing. Under the guidance of a community mentor, teams employ all the skills and knowledge gained through previous coursework to brainstorm, research, construct, and test a model in real-life situations (or simulations): document their designs; and present and defend the designs to a panel of experts.

Engineering Design & Problem Solving

Prerequisites: A. Grades: 11-12 B. Geometry, Algebra II, Chemistry, and Physics

Credit: One (state)

This course is intended to stimulate students' ingenuity, intellectual talents, and practical skills in devising solutions to engineering design problems. Students use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions. At the same time, this course fosters awareness of the social and ethical implications of technological development. Students will spend at least 40% of instructional time conducting engineering field and laboratory activities, using safe, environmentally appropriate, and ethical practices.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

SPEECH

All students entering ninth grade in 2001-2002 and later must have Communications Applications in order to graduate.

Communications Applications

Prerequisites: Grade 9 – 12

Credit: One-half (state)

This course provides students with opportunities to develop all levels of speech communications skills for preparation of presentations, development of skills for academic, business and social situations.

Visual Media

Prerequisites: A. Grades 9 – 12

Credit: One-half (state)

This course will explore the history and function of visual media in society. Students will develop skills in understanding, analyzing and using media intelligently in order to participate fully in academic, social and democratic situations.

Public Speaking I

Prerequisites: A. Grades 9 – 12

Credit: One (state)

This full-year speech course will develop students' confidence and poise through various speaking activities. Students will use the library, learn effective outlining and analysis techniques, develop their organizational skills, and use technology to enhance presentations.

Public Speaking II/A/B

Prerequisites: A. Grades 10 – 12 B. Public Speaking I **OR** teacher approval

Credit: One-half to One (state)

This course will provide for the further improvement and refinement of public speaking skills. Students will participate in speech contests.

Public Speaking III/A/B

Prerequisites: A. Grades 10 – 12 B. Public Speaking II **OR** teacher approval

Credit: One-half to One (state)

This course will provide for continuing development of competencies and skills learned in preceding public speaking courses. Students will be required to prepare for and participate in speech contests.

Advanced Public Speaking III/A/B

Prerequisites: A. Grades 10 – 12 B. Public Speaking II **OR** teacher approval

Credit: One-half to One (state)

This course will provide students with opportunities to refine areas of special interest in public speaking. Students will be required to participate in speech contests and produce an academic performance portfolio.

Oral Interpretation IA/B

Prerequisites: A. Grades 9 – 12

Credit: One-half to One (state)

This course will train students to analyze and interpret literature for performance in the areas of poetry, prose, dramatic, humorous and duet acting. Students will participate in speech contests.

Oral Interpretation II/A/B

Prerequisites: A. Grades 10 – 12 B. Oral Interpretation I **OR** teacher approval

Credit: One-half to One (state)

This course provides for further study in techniques of the interpretation of the literature. Students will participate in speech contests.

Oral Interpretation III/A/B

Prerequisites: A. Grades 10 – 12 B. Oral Interpretation II **OR** teacher approval

Credits: One-half to One (state)

This course will provide students with opportunities to refine areas of special interest in oral interpretation. Students will be required to participate in speech contests and produce an academic performance portfolio.

Advanced Oral Interpretation III/A/B

Prerequisites: A. Grades 10 – 12 B. Oral Interpretation II **OR** teacher approval

Credit: One-half to One (state)

This course will provide students with opportunities to refine areas of special interest in oral interpretation. Students will be required to participate in speech contests and produce an academic performance portfolio.

Debate IA/B

Prerequisites: A. Grades 9 – 12

Credit: One-half to One (state)

This course will introduce basic debate skills: logic and reasoning, research, organization and topic analysis. It will introduce students to the debate process: building cases, planning defense of cases, and using effective language and delivery. Students will participate in speech contests.

Debate II/A/B

Prerequisites: A. Grades 10 – 12 B. Debate I **OR** teacher approval

Credit: One-half to One (state)

This course will provide for further improvement and refinement of debate skills. Students will participate in speech contests.

Debate III/A/B

Prerequisites: A. Grades 10 – 12 B. Debate II **OR** teacher approval

Credits: One-half to One (state)

This course will provide for continuing development of competencies and skills developed in preceding debate courses. Students will be required to prepare for and participate in speech contests.

Advanced Independent Study Oral Interpretation A/B

Prerequisites: A. Grade 11 – 12

Credit: One-half to One (state)

B. Two & One-half credits of Speech or teacher approval

This course provides students opportunities to work independently in areas of special interest, under the supervision of the teacher.

Advanced Independent Study – Debate A/B

Prerequisites: A. Grade 11 – 12
B. Two & One-half credits of Speech or teacher approval
This course provides students opportunities to work independently in areas of special interest, under the supervision of the teacher.

Credit: One-half to One (state)

Advanced Independent Study – Public Speaking A/B

Prerequisites: A. Grade 11 – 12 B. Two & One-half credits of Speech or teacher approval
This course provides students opportunities to work independently in areas of special interest, under the supervision of the teacher.

Credit: One-half to One (state)

Advanced Debate III A/B

Prerequisites A. Grades 10 – 12 B. Teacher approval
This course will provide students with opportunities to refine areas of special interest in debate. Students will be required to participate in speech contests and produce an academic performance portfolio.

Credit: One-half to One (state)

TECHNOLOGY APPLICATIONS

Fundamentals of Computer Science

Prerequisite: Grades 10 – 12
Computer Literacy required or Successful demonstration of Computer Literacy Skills required, Algebra I required, Geometry recommended, IA prerequisite to IB
The students will learn computer programming with emphasis on structured programming, algorithms, data structures and problem solving.

Credit: One (state)

Computer Science I

Prerequisite: Grades 10-12
Students learn that computer science is different from computer applications and any other learning environment they have experienced. Students receive an introduction to computer science, which includes its history and fundamental topics such as program organization, control structures, inheritance, encapsulation, Boolean logic, arrays and graphics.

Credit: One (state)

AP Computer Science

Prerequisite: Grades 10 – 12
Computer Literacy required or Successful demonstration of Computer Literacy Skills required, Successful completion of Algebra & Geometry required, Concurrent enrollment in advanced level math recommended, IA prerequisite for IB
Development of regular Computer Science IA & IB topics on an advanced level and an accelerated pace. Emphasis will be on algorithm development and preparation for the Advanced Placement A test. Students will be encouraged to take the A portion of the Advanced Placement test.

Credit: One (state)

Computer Science II

Prerequisite: Grades 10 – 12
Successful completion of Computer Science IA & IB required, IIA prerequisite for IIB
Advanced computer programming expands the scope of Computer Science I. It follows the study for the AB form of Advanced Placement Computer Science.

Credit: One (state)

Computer Science III

Prerequisites: A. Grades 11 – 12
B. Advanced Independent Study, Successful completion of Advanced Placement Computer Science II required
Study of advanced programming topics, including object-oriented programming and the development of software.

Credit: One (state)

THEATRE ARTS

Theatre Arts I

Prerequisites: A. Grades 9 – 12
An introduction in the basic techniques of acting, script interpretation, and theatre terminology.

Credit: One (state)

Theatre Arts II

Prerequisites: A. Grades 10 – 12 B. Theatre Arts I
Emphasizes acting and theatre production concepts and skills.

Credit: One (state)

Theatre Arts III

Prerequisites: A. Grades 11 – 12 B. Theatre Arts II
Emphasizes the history of drama through reading great plays. Advanced acting and theatre production in skills. Continued development of appreciation of theatrical events.

Credit: One (state)

Advanced Theatre Arts III

Prerequisites: A. Grades 11-12 B. Theatre Arts II
Emphasizes the history of drama through reading of great plays. Includes the study of advanced acting and theatre production skills through student directed work. Continued development of appreciation of theatrical events. Additional requirements to production include student directed work, technical direction and/or work study group for UIL One Act Play development.

Credit: One (state)

Theatre Arts IV

Prerequisites: A. Grades 11-12 B. Theatre Arts III Credit: One (state)
Emphasizes the history of drama through reading of great plays. Includes the study of advanced acting and theatre production skills through student directed work. Continued development of appreciation of theatrical events.

Advanced Theatre Arts IV

Prerequisites: A. Grades 11-12 B. Theatre Arts III Credit: One (state)
Emphasizes the history of drama through reading of great plays. Includes the study of advanced acting and theatre production skills through student directed work. Continued development of appreciation of theatrical events. Additional requirements to production include student directed work, technical direction and/or work study group for UIL One Act Play development.

Theatre Production I

Prerequisites: A. Grades 10 – 12 B. Teacher approval Credit: One (state)
Emphasizes acting, theatre production, and the development of appreciation. A lab for dramas in progress.

Theatre Production II

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes acting theatre production, and the development of appreciation. Serves as a lab for dramas in progress.

Theatre Production III

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes acting, technical theatre, theatre production, and the development of appreciation. Serves as a lab for dramas in progress.

Advanced Theatre Production III

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes acting, technical theatre, theatre production, and the development of appreciation. Serves as a lab for dramas in progress. Additional requirements to production include student directed work, technical direction and/or work study group for UIL One Act Play development.

Theatre Production IV

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes acting, technical theatre, theatre production, and the development of appreciation. Serves as a lab for dramas in progress.

Advanced Theatre Production IV

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes acting, technical theatre, theatre production, and the development of appreciation. Serves as a lab for dramas in progress. Additional requirements to production include student directed work, technical direction and/or work study group for UIL One Act Play development.

Technical Theatre I

Prerequisites: A. Grades 10 – 12 I Credit: One (state)
Emphasizes the elements design as they relate to light, sound and set design for theatre productions. Development of stage management skills.

Technical Theatre II

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes the elements design as they relate to light, sound and set design for theatre productions. Development of stage management skills.

Advanced Technical Theatre III

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes the elements design as they relate to light, sound and set design for theatre productions. Hands on development of stage management skills and technical theatre portfolio. Serves as a technical lab for drama in progress. Additional requirements to production include work in a technical position in ongoing productions, development of personal portfolio, and technical direction.

Advanced Technical Theatre IV

Prerequisites: A. Grades 10-12 B. Teacher Approval Credit: One (state)
Emphasizes the elements design as they relate to light, sound and set design for theatre productions. Hands on development of stage management skills and technical theatre portfolio. Serves as a technical lab for drama in progress. Additional requirements to production include work in a technical position in ongoing productions, development of personal portfolio, and technical direction.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Energy Power and Transportation (Introduction to Automotive Careers)

Prerequisites: Grades: 10

Credit: One-half (state)

Students interested in exploring a career in the high paying automotive industry will begin their journey in this course. The course will provide a basic understanding of safety, automotive careers, automotive systems and the Automotive Service Excellence (ASE) technician's certification process. This class provides an understanding of the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure.

Automotive Technology (Steering / Suspension *and* Engine Performance)

Prerequisites: A. Grades: 10-12

Credit: Two (state)

B. Successful completion of Energy Power and Transportation *plus* teacher approval.

Students enrolled in this advanced level automotive training course will become more technologically sophisticated with this course that covers advanced principles and service of suspension and steering systems, including alignment of equipment; alignment procedures; diagnosis and repair of suspension components. Diagnosis and repair of 4-stroke engines will be stressed: ignition and related electrical circuits, sensor operation and testing, fuel delivery and air induction, basic and advanced computer controls, and emission systems. Demonstrations and lab work on automotive systems provide a working knowledge of diagnosis using test equipment ranging from a simple vacuum gauge to engine analyzers with oscilloscopes and five-gas analyzers. All tasks and skills taught conform to ASE standards. Prior to enrollment in this course a student will need to have proven basic automotive skills and teacher approval.

Advanced Automotive Technology (Brakes System Fundamentals *and* Electrical / Electronic Systems)

Prerequisites: A. Grades: 10-12

Credit: Two (state)

B. Successful completion of Energy Power and Transportation *plus* teacher approval.

This course is designed for students who are planning a career in the automotive industry. The course will cover all areas of brake repair including hydraulic system diagnosis and repair, drum brake diagnosis and repair, power assist units diagnosis and repair anti-lock brake systems and miscellaneous related components. Students will learn hands-on skills that cover basic principles of electricity, magnetism and electronics. Basic operations of the complete system are taught, including battery charging, starting, and ignition, lighting, instrumentation and accessory circuits. Students study diagnosis, troubleshooting, repair and maintenance of the automotive electrical system. All tasks and skills taught conform to ASE standards. Prior to enrollment a student must have teacher approval.

Career Preparation

Prerequisites: A. Grades: 12

Credit: Three (state)

B. Successful completion of a coherent sequence of courses within the Career & Technical Education offerings.

Want to begin gaining work experience in the cluster area you have been studying? This capstone course will allow students from all Career and Technical Education Clusters who have completed a coherent sequence of courses to begin gaining real world experience in a cooperative education learning environment. The course is designed to give students supervised practical application of previously studied knowledge and skills. Students will be required to have the skills necessary to secure a job in an approved training station; work a minimum of 15 hours per week; and provide their own reliable transportation. Teacher approval is required prior to enrollment in this course.

VISUAL ARTS

Art I:

Prerequisites: Grades 9-12

Credit: One (state)

This course curriculum includes drawing, painting, sculpture, printmaking, lettering and technology assignments that challenge students to explore ideas, media and art tools. Observation, imagine and creativity will be a focus for this course while helping students make personal connections. Study of elements and principles of design, investigation of careers and art history allow students growth and success as they begin to keep a portfolio.

Pre AP Art I:

Prerequisites: Grades 9-10

Credit: One (state)

This course is for students with Middle School art experience that want to focus on quality art making. They will explore themes with in-depth investigation of media and technique development. Pre-Advanced Placement Art I want students with a passion for art making, willingness to work and to grow towards producing work for an Advanced Placement Studio art portfolio.

Art II Drawing:

Prerequisites: Grades 10-12

Credit: One (state)

Students who have successfully completed Art I further develop drawing skills through the use of high level thinking processes and techniques including the technology. Contour and gesture drawing approaches combined with value and spatial studies are a major focus. Figure drawing, landscapes, still- life, portrait, fantasy, and representational assignments work toward this goal. More challenging media, study of contemporary and ancient art works and world cultures inspire students and help them develop an individual drawing style. An art portfolio is kept.

Pre AP Drawing II:

Prerequisite: Grades 10-11 Teacher Approval

Credit: One (state)

Advanced students prepare for the AP Drawing and 2D Advanced Placement Design Portfolios. Students explore observational and interpretive drawings in a variety of media and in a challenging and stimulating atmosphere. Analytical and communication skills are mastered with greater responsibility for his/ her art progress and exposure to artists, styles of art and art history. Students develop higher intellectual engagement and independent learning skills crucial to success in AP art courses. An art portfolio is kept.

Art III Drawing:

Prerequisites: Grades 11-12

Credit: One (state)

Serious art students refine drawing skills and techniques learned in Art II Drawing. Students create original works of art in an expressive-inventive and imaginative way. Throughout this course, students choose from a variety of drawing media, techniques, and subject matter traditional and contemporary—in order to develop a style, theme, or interpretation. Design problems encourage use of art elements and principles and include experiences in abstract, non-objective, and realistic drawing approaches. Students prepare a drawing portfolio.

Art II Painting:

Prerequisites: Grades 11-12

Credit: One (state)

Painting II is for students who have completed ART I and wants to specialize in painting. Students work in a variety of paint media including watercolor, tempera and acrylic. Painting assignments will extend their technical skills and offer them opportunities to problem solve using wet media. Designing in paint will encourage research of art works of other artist and cultures and will include experiences in abstract, non-objective, and realism. An art portfolio will be kept.

Pre AP Painting II:

Prerequisites: Grade 10-11

Credit: One (state)

Pre AP Painting II is designed for students who want to advance their studies in painting. Students will explore and experiment with painting media and begin to introduce other media into the painting process. The painting projects will be more complex and will require serious problem solving to demonstrate quality and rigor. A portfolio will be kept

Art III Painting:

Prerequisites: Grades 11-12

Credit: One (state)

Continuing painting students may want to consider a career in art by extending and refining painting skills. Self-directed painting problems encourage use of art elements and principles and the use of painting styles such as abstract, non-objective, and the realistic approaches to personal expression and imaginative themes. There will be serious studies of significant painters and how they approach art and personal expression. Students keep an art portfolio.

Art II Printmaking:

Prerequisites: Grades 10-12

Credit: One (state)

Students extend printmaking skills in monoprints, reductive linoleum, intaglio or other experimental printing processes. The printing process and specific techniques are unique to printmaking will be experienced and explored. Visual themes reflect historical and cultural sources. An art portfolio is prepared.

Art II Ceramics:

Prerequisites: Grades 10-12

Credit: One (state)

Students study three-dimensional design in clay beginning with fundamental hand building techniques such as coil and slab construction. This will be followed by a brief introduction to wheel throwing and exploration of clay surfaces. Students experiment with various finishing techniques including glazes, stains, and wax resist. Primitive clay processes of raku and pit firing are explored. Contemporary, historic and cultural study provides for aesthetic understanding and the creation of a ceramic clay portfolio will be kept.

Pre AP II Ceramics/Sculpture

Prerequisites: Grade 10-11

Credit: One (state)

Students in Pre AP Ceramics/ Sculpture will work in an advanced state, solving complex three-dimensional form problems. They will work in both traditional and contemporary formats. They will be required to keep a three-dimensional portfolio of quality art works.

Art III Ceramics:

Prerequisites: Grade 11-12

Credit: One (state)

This course is for serious clay students who have successfully completed Ceramics II. These students will develop a personal style of expression through refining and developing skills previously introduced. This course will have a more intense study of wheel throwing, use of a variety of clays and glaze formulation using creative problem-solving techniques. Explore and examine history of studio ceramics and current issues within the field of ceramics. A ceramic portfolio will be kept.

Art II Sculpture:

Prerequisites: Grades 10-12

Credit: One (state)

This studio course, devoted to three dimensional art forms, will offer student's opportunities to be proficient in modeling and constructing original works in clay, wire, paper, wood, plaster and metal. References to both cultural and historical sculptures allow students to recognize the value of diverse sculptures. Students will keep a sculpture pictorial portfolio.

Art III Sculpture:

Prerequisites: Grade 11-12

Credit: One (state)

Students study in-depth three-dimensional form, historical and contemporary sculptors and recognize the value of sculpture as they pursue independent study. Processes used may include stone carving, metal casting, plaster carving, wood and Plexiglas assemblages. Both additive and subtractive methods will be explored as students strengthen design skills with emphasis on form and space. Students will add to their sculpture pictorial portfolio which will be kept.

Art II Photography:

Prerequisites: Grade 10-11 Taught at Kerr High School only

Credit: One (state)

Art II Photography is a foundation course for all other photography courses. The elements and principles of design are emphasized through a variety of problems and media. Design, manipulation of form and value is the fundamental focus along with the technical camera skills necessary to the course. The equipment format will be both 35 mm and digital cameras. All photography will be kept in an art portfolio.

Art III Photography:

Prerequisites: Grade 11-12 Taught at Kerr High School only

Credit: One (state)

Art III Photography is a course for students to take their knowledge learned in Photography II to a higher level. The elements and principles of design are still a major emphasis through technical manipulation with the camera. Value design is the fundamental focus along with the technical camera skills necessary for the course. The equipment format will be both 35 mm and digital cameras. All photography will be kept in an art portfolio.

Art II Jewelry:

Prerequisites: Grade 10-12

Credit: One (state)

Students create original pieces of jewelry through the use of the elements and principles of design in variety of materials which may include silver, copper, brass, wood, fiber and found objects using cold joining techniques such as riveting and wrapping. They will explore all aspects of the cultural and historical themes that lead to visual portfolio of work. Students will keep an art portfolio.

Art III Jewelry:

Prerequisites: Grades 11-12

Credit: One (state)

This course provides opportunities to create advanced levels of jewelry. Art elements and principles will be explored through a wide variety of jewelry media such as fiber, found objects, glass and a variety of metals. Students will consider functional and aesthetic forms in their jewelry construction. All of the cultural and historical aspects of jewelry will be explored. A jewelry portfolio will be kept.

Art II Electronic Media:

Prerequisites: Grades 10-12

Credit: One (state)

This course introduces students to drawing and painting through the use of a computer and specific software. Students transfer original artwork through electronic scanning, learn basics of hardware and a variety of art software programs to build a visual electronic portfolios. Careers in electronic media are explored.

Art III Electronic Media:

Prerequisites: Grades 11-12

Credit: One (state)

Students will use technology (computers, scanners and digital camera plus software) to create new and original digital graphics and animation art works. Students will practice technology skills in Art II Electronics Media and compose multimedia productions emphasizing originality and new designs. Students explore 2-D and 3-D animation and push ideas beyond assignments boundaries. An electronic portfolio will be kept.

Art IV Advanced Electronics Media:

Prerequisites: Grades 11-12

Credit: One (state)

Focus on multimedia production and animation expanded skills, ideas and knowledge learned in Electronic Media III. Students apply several types of computer software in multimedia independent projects. A major electronic media portfolio will be kept.

Art III Commercial Art/Graphic Design:

Prerequisites: Grades 11-12

Credit: One (state)

Advanced course studies in the art of advertising, communications, and technology. Design, copy, layout, computer application, and other technology tools create actual products. In-depth problem-solving in fashion design, commercials, and packaging will be the focus of this career awareness course. A graphic design portfolio will be kept.

Art IV Advanced Commercial Art/Computer Graphics

Prerequisites: Grades 11-12

Credit: One (state)

Graphic art and design background in typography, layout, publication techniques and creation of professional quality graphics provides continuing students with a portfolio for college entrance or employment. Using state of the art soft and hardware, Photoshop and illustrator, students create two-dimensional advertising art and fished digital selections. A portfolio will be kept.

AP History of Art:

Prerequisites: Grades 10-12

Credit: One (state)

Students examine architecture, painting, and sculpture in historical context. This course is the same as a college course in art history. The course helps develops skills necessary to pass the AP History of Art exam and earn 6-8 hours of college credit. Readings, Power Point lectures, group projects, field trips to art museums provide students with knowledge and love of art. College textbooks are loaned without charge.

Art IV AP Art Studio-Drawing Portfolio:

Prerequisites: Grade 11-12 Teacher Approval

Credit: One (state)

Highly motivated students pursue in-depth drawing and painting at the AP level of quality. Students can receive credit for college level course work in high school through this course. Students select a concentration of visual interest for part of the portfolio and breadth of experience in technical completion for the rest of the portfolio. This combination provides the students with portfolio for college entrance, college credit, and/or employment. A portfolio is required.

Art IV AP Two-Dimensional Design Portfolio

Prerequisites: Grade 11-12 Teacher Approval

Credit: One (state)

Students demonstrate proficiency in two-dimensional design in art forms including graphics design, typography, digital imaging, photography, collage, fabric design, weaving illustration, painting and printmaking and assemble a portfolio that meets AP guidelines. Successful completion can earn college credit, college entrance or employment. A portfolio is required.

Art IV AP Three-Dimensional Design Portfolio

Prerequisites: Grade 11-12 Teacher Approval

Credit: One (state)

Advanced students produce a portfolio of traditional sculpture, architectural models, appeals, ceramics, fiber arts, or metalwork that meets AP guidelines. This course gives an in-depth study of the exploration of mass, volume, form, plane, light and texture in additive, subtractive, and/or fabrication techniques and processes. A portfolio is required.

OTHER ELECTIVES

Peer Assistance & Leadership I

Prerequisites: A. Grades 11 – 12 B. Sponsor approval

Credit: One (state)

P.A.L. is offered as a peer helping program. Students are trained to work as peer helpers with students on their own campus as well as younger students on the elementary and middle school campuses. The class includes classroom activities as well as field experience.

Peer Assistance and Leadership II

Prerequisites: A. Grade 12 B. Sponsor approval C. Completion of P.A.L. I

Credit: One (state)

P.A.L. is offered as a peer helping program. Students are trained to work as peer helpers with students on their own campus as well as younger students on the elementary and middle school campuses. The class includes classroom activities as well as field experience.

Air Force Junior Reserve Officers Training Corps (AFJROTC)

Prerequisites: A. Grades 9 – 12

Credit: One to Four (state)

AFJROTC is a sequential four year program that develops citizens of character dedicated to serving their nation and community. The program instills values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. The AFJROTC curriculum includes Aerospace Science, Leadership Education and Wellness/Physical Fitness. Aerospace Science acquaints students with the elements of aerospace and the aerospace environment. First year cadets will study aviation history focusing on the development of flight throughout the centuries. Second, third and fourth year cadets will learn about space science and space exploration. Leadership Education develops leadership skills and acquaints students with the practical application of life skills. First year cadets will receive an introduction to the AFJROTC program and elements of good citizenship. Second, third and fourth year cadets will cover life skills and career opportunities. The Wellness/Physical Fitness program motivates cadets to lead healthy, active lifestyles through physical training and sporting activities. AFJROTC cadets also participate in community service projects, parades, summer leadership schools, drill team competitions, color and honor guards and honorary academic groups.

Marine Junior Reserve Officer Training Corps (MCJROTC)

Prerequisites: Grades 9-12

Credits: one (state)

The intent of the Marine Corps JROTC Program is to develop the leadership abilities and build the character of high school students who choose to participate as JROTC cadets. The Program accomplishes this through a curriculum designed to teach participating students/cadets basic leadership tenets and skills. It also provides them with an organizational framework within which they can practice what they have been taught. They develop greater self-awareness through increased self-discipline and self respect. The end result is the creation of young citizens imbued with patriotism and a deeper understanding of their responsibilities to country, community, school, families and friends. The curriculum is divided into five categories: Leadership; Citizenship; Personal Growth and Responsibility; Public Service and Career Exploration; and General Military Subjects. It is designed for a four-year period at traditional high schools consisting of 9th through 12th grades.

Navy Junior Reserve Officers Training Corps (NJROTC)

Prerequisites: A. Grades 9 – 12

Credit: One to Four (state)

NJROTC is a sequential four year program that develops citizens of character dedicated to serving their nation and community. The program instills values of citizenship, service to the United States, personal responsibility, and sense of accomplishment. NJROTC educates and trains cadets in citizenship; promotes community service; instills a sense of responsibility, character, and self-discipline; and provides instruction in Naval Science fundamentals. Students are also introduced to military customs and courtesies, wellness and fitness, basic drill and ceremonies, effective communications, management, leadership opportunities and practical life skills. Cadets participate in parades, summer leadership academies, drill team competitions, color guards, orientation visits to colleges and universities, military balls, and academic competition.

Leadership

Prerequisites: A. Grades 9 – 12

Credit: One-half (state)

To be successful leaders, students must develop skills and principles. The Leadership course provides instruction in communication skills, technical writing, and organizational skills. Students will be given the opportunity for public speaking and communication with others and will be challenged to develop principles that will be the foundation for their lives.

College Tests Prep

Prerequisites: A. Grades 11 – 12

Credit: One-half (local)

This course is designed to improve student's test-taking skills, to increase students' skills in specific areas such as vocabulary development, and to provide preparation for examinations such as AP, SAT, ACT.

Advancing Leadership and Service (ALAS)

Prerequisites: A. Grade: 9 B. Interview

Credit: One (local)

The ALAS program is specifically designed for 9th graders who are interested in leadership. Students work on verbal and non-verbal communication, the 7-Habits of Highly Effective Teens, public speaking, conflict resolution, and team building. Future planning, financial planning and goal setting are major components of the class. Seventy-five hours of community service are required.

ACT/SAT College Prep

Prerequisites: Grades 10-12

Credit: One-half (local)

The ACT/SAT College Prep course provides structure for students to master test-taking strategies in English and math for standardized tests. These include problem solving skills, critical thinking skills, and vocabulary skills. Preparation for AP Exams is not included in this course.

SPECIAL EDUCATION

Special Education provides a full continuum of services to meet the unique needs of each student such as;

Accommodations/Modifications, Support Facilitation, Specialized Support, (English)

Special Education placement and Special Education course selections are determined by an Admission, Review, and Dismissal Committee (ARD). Student placement and course selections are reviewed on an annual basis by this committee.

Special Education students enrolled in general education courses may or may not have a Standard Based IEP for the course. This is determined by the Admission, Review, and Dismissal Committee (ARD) and is based on the student's educational needs.

Special education and general education staff collaborate on the implementation of the IEP. If the student has an IEP for a course, he/she will receive a credit for the course. The Texas Education Agency gives guidance to LEAs regarding state vs. local credit(s).

Special Education Course Offerings:

The following is a list of specialized courses which are taught by **special education** teachers.

Career Preparation

Career Exploration

Prerequisite: ARD Recommendation

Credit: One-half (local)

This course is offered as a prerequisite to Occupational Investigation and is taken the semester prior to On-the-Job Training. The course is designed for students who cannot meet the objectives of the regular vocational program. The course explores various occupations and the skills needed for career planning, job seeking, and job growth.

Occupational Investigation

Prerequisite: Career Exploration and/or ARD Recommendation

Credit: One (local)

This course is designed for students who cannot meet the objectives of the regular vocational program with modifications offered through special education. The students are taught the necessary attitudes, habits, behaviors, and skills required to obtain and maintain a job in the community. These skills include completing job applications, job interviewing, getting along with employers and co-workers, developing self-assurance, and taking pride in doing a job well. In addition, students are taught basic independent living skills such as how to establish credit, buy a car, rent an apartment, and shop wisely. Basic information concerning the tax system, the student's individual income tax, and social security is provided. This course is taken in conjunction with the first year of On-the-Job Training (OJT) and is taught by the VAC to whom the student is responsible.

On-the-Job Training

Prerequisites: ARD Recommendation

Credits: (determined by ARD)

OJT may be from 1 – 7 periods per day.

This course is designed for students to further develop vocational skills by providing actual job experience in the community and monitoring by the students' VAC. This course is generally offered during the junior and/or senior year. The student must maintain employment to remain in this program

Supervised Employment

Prerequisite: Career Exploration, Occupational Investigation, OJT and/or ARD Recommendation

Credits: (determined by ARD)

This course is designed for students who have shown independent job related skills and occupational awareness throughout their On the Job Training experience and are ready for full-time employment before graduation. These students meet weekly with their VAC, who monitors their work performance with their employer. The students must maintain employment to continue this placement.

Graduation Requirements

A student receiving special education services may graduate and receive a high school diploma under the minimum, recommended or distinguished high school program outlined in TAC Chapter 74.

OPTION (b) (1)

This student has satisfactorily completed the state's or district's (whichever is greater)- credit requirements for graduation (under the minimum, recommended, or distinguished high school program) applicable to students in general education including satisfactory performance on the exit-level assessment instrument. Graduation for this student terminates eligibility for special education services and a student's entitlement to the benefits of the Foundation School Program.

OPTION (b) (2)

This student has satisfactorily completed the state's or district's (whichever is greater)- minimum curriculum and credit requirements for graduation (under the minimum high school program) applicable to students in general education including participation in the exit-level assessment instrument. Satisfactory performance on the exit-level assessment is/is not required for graduation. Graduation for this student terminates eligibility for special education services and a student's entitlement to the benefits of the Foundation School Program.

OPTION (c) (Minimum)

This student has satisfactorily completed the state's or district's (whichever is greater)- credit requirements for students in general education and the minimum curriculum requirements to the extent possible with modifications/accommodations/substitutions only when determined necessary by the ARD committee for the student to receive an appropriate education. Satisfactory performance on the required state assessments (is is not) required for graduation. The ARD committee has determined that the student will graduate and be awarded a high school diploma if one of the three options are met:

OPTION (c) (1) Minimum

This student has successfully completed the requirements of his/her IEP and maintained full-time employment, based on the student's abilities and local opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct ongoing educational support of the school district.

OPTION (c) (2) Minimum

This student has successfully completed the requirements of his/her IEP and demonstrated mastery of specific employability skills and self-help skills with do not require the direct ongoing educational support of the district.

OPTION (c) (3) Minimum

This student has successfully completed the requirements of his/her IEP and has access to services which are not within the legal responsibility of public education or employment or education options for which the student has been prepared by the academic program.

For students receiving a diploma under Option C, the ARD committee shall determine needed educational services upon the request of the student or parent to resume services, as long as the student meets age eligibility requirements.

OPTION (d) Minimum

This student has successfully completed the requirements specified in the IEP. For this student, graduation terminates the student's eligibility for special education services. This student no longer meets age eligibility requirements and has completed the requirements specified in the IEP. For this student, graduation terminates the student's eligibility for special education services and the student's entitlement to the benefits of the Foundation School Program.

High School Four Year Plan with Career Cluster

Name: _____ ID #: _____

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

<p>The Four Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school. You will want to review the plan each year to make sure you are taking the required courses for graduation. Your counselor will have sample <u>Career Plans of Study</u> for each of the Career Clusters that are listed on this page. You may use these as guides to help you select courses that support your career goals. Make sure that you are taking the academic courses that support your post-high school plans.</p>	Graduation Plans 2010-2011																																													
<p>Career Clusters:</p> <p> <input type="checkbox"/> Agriculture, Food & Natural Resources <input type="checkbox"/> Architecture & Construction <input type="checkbox"/> Arts, A/V Technology & Communications <input type="checkbox"/> Business, Management & Administration <input type="checkbox"/> Education and Training <input type="checkbox"/> Finance <input type="checkbox"/> Government & Public Administration <input type="checkbox"/> Health Science <input type="checkbox"/> Hospitality & Tourism <input type="checkbox"/> Human Services <input type="checkbox"/> Information Technology <input type="checkbox"/> Public Safety, Corrections & Security <input type="checkbox"/> Manufacturing <input type="checkbox"/> Marketing, Sales & Service <input type="checkbox"/> Science, Technology, Engineering /Math <input type="checkbox"/> Transportation, Distribution & Logistics </p>	<p>My Post High School plans will take me to: (Check as many as apply):</p> <p> <input type="checkbox"/> Two Year College <input type="checkbox"/> Technical Training <input type="checkbox"/> Four Year College <input type="checkbox"/> Employment <input type="checkbox"/> Military <input type="checkbox"/> Other </p>																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Discipline</th> <th style="width: 20%;">Recommended Plan Credits</th> <th style="width: 20%;">Distinguished Achievement Plan Credits</th> </tr> </thead> <tbody> <tr> <td colspan="3">Core Courses</td> </tr> <tr> <td>English</td> <td style="text-align: center;">4</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Math</td> <td style="text-align: center;">4</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Science</td> <td style="text-align: center;">4</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Social Studies</td> <td style="text-align: center;">4</td> <td style="text-align: center;">4</td> </tr> <tr> <td colspan="3">Required Electives</td> </tr> <tr> <td>Language other than English</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Health</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">0.5</td> </tr> <tr> <td>Physical Education</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Technology Applications</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Fine Arts</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Speech</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">0.5</td> </tr> <tr> <td>Electives</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Total Credits for Graduation:</td> <td style="text-align: center;">26</td> <td style="text-align: center;">26 Plus 4 Additional Requirements</td> </tr> </tbody> </table>		Discipline	Recommended Plan Credits	Distinguished Achievement Plan Credits	Core Courses			English	4	4	Math	4	4	Science	4	4	Social Studies	4	4	Required Electives			Language other than English	2	3	Health	0.5	0.5	Physical Education	1	1	Technology Applications	1	1	Fine Arts	1	1	Speech	0.5	0.5	Electives	4	3	Total Credits for Graduation:	26	26 Plus 4 Additional Requirements
Discipline	Recommended Plan Credits	Distinguished Achievement Plan Credits																																												
Core Courses																																														
English	4	4																																												
Math	4	4																																												
Science	4	4																																												
Social Studies	4	4																																												
Required Electives																																														
Language other than English	2	3																																												
Health	0.5	0.5																																												
Physical Education	1	1																																												
Technology Applications	1	1																																												
Fine Arts	1	1																																												
Speech	0.5	0.5																																												
Electives	4	3																																												
Total Credits for Graduation:	26	26 Plus 4 Additional Requirements																																												
<p>Credits Required for Promotion: Sophomore: 6 credits Junior: 12 credits (including Algebra I) Senior: 19 credits</p>																																														
<p>My Graduation Plan Type Is: _____ Recommended _____ Distinguished Achievement Plan</p>																																														

Directions: Each blank box below represents 1 credit. Fill in Graduation Requirements from the Graduation Plan list at top right of this page. Use the Alief Course Description Guide to select electives. Students in Athletics, Career and Technical Education, or Performing Arts may need to consider taking some graduation requirements in summer school or eighth grade.

8 th Grade	Pds:	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Math – 1 credit	1	English 1	English 2	English 3	English 4
Algebra I Geometry	2	Algebra 1 / Geometry	Geometry / Algebra 2	Algebra 2 / Pre Calculus	4th Math
Foreign Language - 1	3	Biology	Chemistry	Physics	4th Science
Spanish 1 Spanish for Native Speakers	4	World Geography	World History	U. S. History	Government / Economics
Fine Arts – 1	5	Required Elective: Foreign Language 1 / 2	Required Elective: Foreign Language 2 / 3	Required Elective: Foundation Fitness / PE	Required Elective: Career Elective
Art I Theater Arts I	6	Required Elective: Fine Arts	Required Elective: Communication Applications / Health	Required Elective: Technology	Required Elective: Career Elective
Found Fitness / PE – 1	7	Required Elective: Career Elective	Required Elective: Career Elective	Required Elective: Career Elective	Required Elective: Career Elective
Summer School / Distance Learning		Course Name:	Course Name:	Course Name:	Course Name:
Course Name:		Course Name:	Course Name:	Course Name:	Course Name: