

HERMITAGE HIGH SCHOOL
COURSE DESCRIPTION MANUAL

2017-2018



HERMITAGE HIGH SCHOOL

COURSE DESCRIPTIONS

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GRADUATION REQUIREMENTS 2014 and beyond

English	4 units
Science	3 units
Mathematics	3 units
Social Studies	3 units
Fine Arts	1 unit
Practical Arts	1 unit
Physical Education	1 unit
Health	½ unit
Personal Finance	½ unit
Electives	11 units
TOTAL CREDITS = 28 UNITS	

One elective unit of credit must be an advanced elective from the basic skill areas of English, Math, Science, Social Studies, foreign language, or vocational technical courses. Students must complete eight semesters of high school to graduate.

Course Requirements by Grade Level

Required courses for 9th grade students:

English I
Physics First
Algebra 1
World History (1/2 credit)
Geography (1/2 credit)
9th Grade PE
Health (1/2 credit)
Careers and Family Leadership (1/2 credit)

Required courses for 10th grade students:

English II
Chemistry or Consumer Science
Geometry
American History

Required courses for 11th grade students:

English III
Biology I
Algebra II
American Government (1/2 credit)
Social Studies Elective (1/2 credit)

Required courses for 12th grade students:

English (English IV or Applied Communications)
Personal Finance (1/2 credit)
Biology II (optional) (dual credit)
College Algebra (optional) (dual credit)
A+ Tutoring (1/2 credit) (required for those participating in the A+ program)

Honors Diploma

An Honors Diploma will be awarded to students who complete eight (8) semesters of high school attendance, complete a minimum of twenty-six (26) units of credit in specified subject areas, and score a 21 on the ACT or above the 60th percentile on the SAT. Students must earn at least a 3.0 grade point average on a standard 4.0 scale in the required basic skills course.

Credit is required by subject areas as follows:

English	4 units (English I – IV)
Mathematics	4 units (Algebra I or higher)
Science	3 units (cannot include Consumer Science)
Social Studies	3 units
Fine Arts	1 unit
Practical Arts	1 unit
Physical Education	1 unit
Advanced Electives	3 units
General Electives	4 units
Foreign Language	2 units (Recommended)

General electives may include:

Fine arts, practical arts, and physical education. Two units of foreign language are recommended. At least three (3) units of the twenty-six (26) units required for an Honors Diploma must be earned by attending Hermitage High School. Advanced electives must be in addition to the required courses. For example, Biology II may be counted as an advanced elective if it has not been counted as one of the three required science credits. Summer school courses do not count for Honors Diploma as advanced electives.

Advanced Electives may include:

2nd year Vo-Tech courses, Greenhouse Operation, Accounting II, Nursery/Landscaping, Desktop Publishing II or above, Psychology, Sociology, Liberty and Law, Pro Start II, Spanish II, Missouri History, Child Development II, College Algebra, Advanced Animal Science, Biology II, Pre-Calculus, Agricultural Economics, Chemistry I, Calculus, Agricultural Construction, Chemistry II, Agricultural Structures.

* Other upper level courses as approved by the principal.

PLEASE NOTE: MORE INFORMATION ABOUT CREDITS AND REQUIREMENTS IS AVAILABLE IN THE STUDENT HANDBOOK

CAREER PATHS



SUGGESTED COURSES FOR SPECIFIC CAREER PATHS

Although your career choice may change, your career path will probably remain constant because your interests will remain constant. As you build your four year plan, consider the courses suggested to best prepare you for your career path.

On the following page is an example of your four year plan.

**HERMITAGE R-IV HIGH SCHOOL
ACADEMIC PLAN / GRADUATION REQUIREMENTS**

Date: _____

Student Name: _____ Parent/Guardian Name: _____

Missouri Constitution passed: _____

Are you seeking A+ eligibility? _____

US Constitution passed: _____

Are you seeking an Honors diploma? _____

4 YEAR PLAN

FRESHMAN	Sem 1	Sem 2	SOPHOMORE	Sem1	Sem2	JUNIOR	Se m1	Sem2	SENIOR	Sem1	Sem2
English I			English II			English III			English IV or Applied Com		
Physics First			Chemistry or Consumer Science			Biology I			Personal Finance/		
Algebra I			Geometry			Algebra II			College Algebra (optional)		
Geography/ World History			American History			American Government/			A+ Tutoring (optional)		
9 th Grade PE						Social Studies Elective/					
Careers/ Health											

TALLY FOR REQUIREMENTS BY SUBJECT AREA

	Completed	Still needed		Completed	Still need
Language Arts	4 required		Practical Arts	1 required	
Science	3 required		Physical Ed	1 required	
Mathematics	3 required		Health	1/2 required	
Social Studies	3 required		Personal Finance	1/2 required	
Fine Arts	1 required		Electives	11 required	

After Graduating I plan to: _____ work _____ technical school _____ military _____ college/university

The Career or College Degree I want is: _____

Parent Signature: _____

Date: _____

BUSINESS, MANAGEMENT & TECHNOLOGY

Career Path Course Recommendations

	GRADE 9	GRADE 10
Required Courses	English I Physics First Algebra I World History/Geography 9 th Grade PE Careers/ Health	English II Chemistry I or Consumer Science Geometry American History Pro Start I Desktop Publishing Business Technology Spanish I Agricultural Science I
Suggested Elective Courses	Fine Arts Credit Computer Applications	
	GRADE 11	GRADE 12
Suggested Required Courses	English III Biology I Algebra II American Government (1/2 Credit) & SS Elective ACT Prep (1/2 Credit)	English IV College Algebra Biology II Personal Finance (1/2 Credit)
Suggested Elective Courses	Psychology/Sociology Spanish I or II Agricultural Science II Accounting I Desktop Publishing Pro Start I or II Computer Networking I (at Dallas Co Tech Center) (4 credits)	A+ Tutoring (1/2 Credit) Spanish II Accounting II Desktop Publishing Agricultural Economics ProStart II Computer Networking II (at Dallas Co Tech) (4 credits)

NATURAL RESOURCE SYSTEMS

Career Path Course Recommendations

	GRADE 9	GRADE 10
Suggested Required Courses	English I Physics First Algebra I World History/Geography 9 th Grade PE Careers/ Health	English II Chemistry I or Consumer Science Geometry American History PE Elective Spanish I Fine Arts Credit Agricultural Science II Business Technology
Suggested Elective Courses	Agricultural Science I Computer Applications	
	GRADE 11	GRADE 12
Suggested Required Courses	English III Biology I Algebra II American Government (1/2 Credit) & SS Elective ACT Prep (1/2 Credit)	English IV Biology II College Algebra Personal Finance (1/2 Credit)
Suggested Elective Courses	Spanish I or II Accounting I Agricultural Electives Desktop Publishing PE Elective	A+ Tutoring Spanish II Accounting II Agricultural Electives PE Elective

HUMAN SERVICES

Career Path Course Recommendations		
	GRADE 9	GRADE 10
Suggested Required Courses	English I Physics First Algebra I World History/Geography 9 th Grade PE Careers/ Health	English II Chemistry I or Consumer Science Geometry American History
Suggested Elective Courses	Fine Arts Credit Computer Applications	Business Technology Spanish I Desktop Publishing Pro Start I
	GRADE 11	GRADE 12
Suggested Required Courses	English III Biology I Algebra II American Government (1/2 Credit) & SS Elective ACT Prep (1/2 Credit)	English IV College Algebra Biology II Personal Finance (1/2 Credit)
Suggested Elective Courses	Spanish I or II Pro Start I or II Child Development Desktop Publishing Psychology / Sociology	A+ Tutoring Child Development Spanish II Psychology/Sociology Social Studies electives Desktop Publishing

HEALTH SERVICES Career Cluster Course Recommendations		
	GRADE 9	GRADE 10
Suggested Required Courses	English I Physics First Algebra I World History/Geography 9 th Grade PE Careers/ Health	English II Chemistry I or Consumer Science Geometry American History
Suggested Elective Courses	Fine Arts Credit (art and music) Computer Applications	Spanish I Agricultural Science I Business Technology Desktop Publishing
	GRADE 11	GRADE 12
Suggested Required Courses	English III Biology I Algebra II American Government (1/2 Credit) & SS Elective ACT Prep (1/2 Credit)	English IV College Algebra Biology II Personal Finance (1/2 Credit)
Suggested Elective Courses	Spanish I or II Child Development Agricultural Science II Psychology / Sociology Health Occupations I (at Dallas Co Tech Center)	A+ Tutoring Spanish II Psychology/Sociology Advanced Animal Science Health Occupations II (at Dallas Co Tech)

ARTS & COMMUNICATIONS Career Cluster Course Recommendations		
	GRADE 9	GRADE 10
Suggested Required Courses	English I Physics First Algebra I World History/Geography 9 th Grade PE Careers/ Health	English II Chemistry I or Consumer Science Geometry American History
Suggested Elective Courses	Fine Arts Elective Computer Applications	Spanish I Fine Arts Elective Apparel and Textiles Pro Start I Business Technology Desktop Publishing
	GRADE 11	GRADE 12
Suggested Required Courses	English III Biology I Algebra II American Government (1/2 Credit) & SS Elective ACT Prep (1/2 Credit)	English IV College Algebra Biology II Personal Finance (1/2 Credit)
Suggested Elective Courses	Spanish I or II Fine Arts Elective Desktop Publishing Psychology/Sociology Graphic Arts I (at Dallas Co Tech Center)	A+ Tutoring Spanish II Fine Arts Elective Psychology/Sociology Graphic Arts II (at Dallas Co Tech Center)

INDUSTRIAL/ENGINEERING TECHNOLOGY Career Cluster Course Recommendations		
	GRADE 9	GRADE 10
Suggested Required Courses	English I Physics First Algebra I World History/Geography 9 th Grade PE Careers/ Health	English II Chemistry I or Consumer Science Geometry American History
Suggested Elective Courses	Computer Applications Agricultural Science I	Spanish I Fine Arts Elective Business Technology Agricultural Science II Physical Education Elective
	GRADE 11	GRADE 12
Suggested Required Courses	English III Biology I Algebra II American Government (1/2 Credit) & SS Elective ACT Prep (1/2 Credit)	English IV College Algebra Biology II Personal Finance (1/2 Credit)
Suggested Elective Courses	Spanish I or II Desktop Publishing Agriculture Electives Physical Education Elective Auto Mechanics, Collision Repair Technology, Welding (at Dallas Co Tech Center)	Spanish II A+ Tutoring Agriculture Electives Physical Education Elective Auto Mechanics, Collision Repair Technology, Welding, (at Dallas Co Tech Center)

HERMITAGE R-IV COURSE OFFERINGS

FINE ARTS

ART I

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

Students will experience and explore a wide range of two-dimensional and three-dimensional media including watercolor, tempera paint, acrylic paint and canvas, charcoal, chalk, oil pastel, shading pencil, and ink. Projects are designed to create a foundation using the elements and principals of art. Artistic styles and periods will be discussed.

ART II

Level: Grades 10, 11, 12

Prerequisite: Art I

Units: 1

Students will experience and explore a wide range two-dimensional and three-dimensional media including watercolor, tempera paint, acrylic paint and canvas, charcoal, chalk, oil pastel, shading pencil, and ink. Projects are designed to create a foundation using the elements and principals of art. Artistic styles and periods will be discussed.

PAINTING

Level: Grades 10, 11, 12

Prerequisite: Art I

Units: ½

Painting class is designed to introduce students to working with watercolor, acrylic and oil paints. Students will study a wide range of painting techniques in each media. Students will also learn how to use and take care of the painting tools. Students will be required to complete a variety of paintings in each media. There will also be study of various styles and famous artists. Painting class is designed to give the students an opportunity to concentrate on one media more in-depth. This course will give students the opportunity to expand their creativity and will allow more time to be devoted to individual expression.

MIXED MEDIA

Level: Grades 10, 11, 12

Prerequisite: Art I

Units: ½

Mixed Media is designed to teach students how to use multiple medias in one work of art. Students will explore both traditional and non-traditional approaches to using a variety of media including printmaking, collage, mosaic, paper, metal, plastic, 3-D sculpture, 2-D design, and a variety of found objects. Students will be required to complete as many finished works that will help build on their use of design and good composition.

Mixed Media will provide an avenue to explore a wide range of art media. Students will study and apply the elements and principals of art. Upper level courses are designed to include more in-depth study of techniques and media.

ADVANCED ART

Level: Grades 11, 12

Prerequisite: Art II

Units: 1

Advanced Art is an independent study course. In this course students will design an individual program using contracts with guidance from the teacher. Students are provided an avenue to express themselves with emphasis on media of their choosing. Projects will be more in-depth and more time-consuming. Advanced Art will provide an avenue to explore a wide range of art media. Students will study and apply the elements and principals of art. Upper level courses are designed to include more in-depth study of techniques and media.

INSTRUMENTAL MUSIC

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

In this course students will have fun learning to play an instrument. Students will practice playing popular songs as a soloist and as a member of an ensemble. Students will learn to play a variety of styles of music, learning to read music and play by ear.

This course is open to all high school students with an interest in learning any musical instrument, including but not limited to: guitar, piano, percussion, brass, woodwinds and strings. No prior musical training is required. Students are instructed according to their individual level of musicianship. The instrumental group will join with the choir in at least two concerts per year.

Course may be retaken each year for credit.

SOUND AND STAGE TECHNOLOGY

Level: Grades 10, 11, 12

Prerequisite: **Entrance Exam and Teacher Approval**

Units: 1

This is a hands-on course wherein students will learn to use state of the art sound reinforcement and recording equipment. Areas of study include microphone technique, speaker placement, monitor and main mixing, effects and compression, multi-track recording, editing and mastering. Students will practice sound reinforcement and recording techniques with the musicians involved in instrumental classes, and assist in production of school concerts and plays. Students will also learn the basics of playing a musical instrument. Reading manuals related to the field of audio engineering will be large component of the class.

CHOIR

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

In this course, students will have fun singing their favorite popular songs and some of the more traditional choral repertoire. Students will master the three most important elements in the physical process of singing: breathing, throat and jaw relaxation, and resonance. Students will learn to sight read and to sing in two, three and four parts. Students who are interested in performing solos will have the opportunity to do so for competitions or self enjoyment. The choir will join with the instrumental group in at least two concerts per year.

Course may be retaken each year for credit.

FOREIGN LANGUAGE

SPANISH I

Level: Grades 10, 11, 12

Prerequisites: English I grade of C or above

Units: 1

This course is designed to develop skills in speaking, listening, reading, and writing basic Spanish language. This is an introduction to the fundamental of Spanish pronunciation and basics (such as days, months, numbers, etc.). Knowledge is acquired through the building of vocabulary and patterns, studying structure, reading selections, and introduction to diverse Hispanic cultures.

SPANISH II

Level: Grades 11, 12

Prerequisites: Spanish I

Units: 1

This course is designed as a continuation of the previous Spanish I class. This curriculum builds on the past one. This course further develops basic skills in speaking, listening, reading, and writing the Spanish language.

LANGUAGE ARTS

ENGLISH I

Level: Grade 9

Prerequisite: None

Units: 1

The English I course is designed to introduce the basics in literature and grammar by offering a wide variety of reading and writing assignments. Students will read and analyze samples of literature in the form of short stories, novels, poetry, and drama. The course will emphasize elements of literature; and writing for a variety of purposes. There will be an emphasis on grammar and mechanics; and sentence and paragraph construction.

The purpose of English I is to provide students with a solid foundation in speaking and writing Standard English as well as reading and evaluating basic forms of literature. By concentrating on grammar, literature, and writing, students will improve their critical thinking and reading skills. Students should also master basic skills necessary to gather information and solve problems that may be encountered in the workforce and independent living circumstances.

ENGLISH II

Level: Grade 10

Prerequisite: English I

Units: 1

This course is designed to provide the student with an advanced study of grammar, literature and composition. The areas of instruction covered in this course include, but are not limited to, the following: grammar, usage, mechanics, vocabulary; selected readings of fiction and nonfiction, poetry, drama, Shakespeare's Julius Caesar, Steinbeck's Of Mice and Men, Lee's To Kill a Mockingbird; compositions, creative writing as well as oral communication.

To be successful in today's competitive society, students must develop effective communication skills. Through the study of grammar and composition, students learn how to express their ideas clearly, concisely, and coherently. Literature offers insight to life that may never be gained through the first hand experience. Students develop an understanding of other cultures and individuals through the analysis of literature. The goal of this class is to develop students' abilities to communicate their ideas and to appreciate the ideas expressed by others.

ENGLISH III

Level: Grade 11

Prerequisite: English II

Units: 1

This course is designed to provide the student with a survey of American literature, a review and elaboration of grammar, usage, and mechanics, with an emphasis on written and oral communication skills. The areas of instruction covered in this course include, but are not limited to, the following: vocabulary, grammar, usage, mechanics; formal compositions and presentations; critical reading and analytical thinking.

Individuals in a society should possess an awareness of their cultural heritage and an historical perspective of their nation's unique place in our global village. A survey of noteworthy American literature provides our citizens/students an insight into their cultural heritage and will allow them to become better citizens and informed members of society. Language is the basic form of communication between individuals, groups, cultures and nations. Effective communication skills will facilitate the expressions and interpretation of information and ideas in the changing technological environment. It is the goal this class to provide students with an understanding of their heritage, an awareness of their emerging roles as citizens of our American society, and the essential communication skills to effectively express their ideas and correctly interpret the ideas of others.

ENGLISH IV

Level: Grade 12

Prerequisite: English III

(Must have met minimum requirements on End-Of-Course assessments in English II)

*Units: 1

*May be taken for dual credit, ONLINE

*Weighted class

This class is designed to teach students to communicate effectively through writing and discussions. Topics covered include extensive grammar, usage and mechanics studies; generating ideas for writing; topic selection; description, narration, exposition, and persuasion; revision/proofreading; documentation format; critical reading/analytical thinking; and British literature. A quarterly research paper will use different formats (footnotes, end notes, parenthetical citation) and general subject limitations (biographical, historical, scientific, and controversial). Students will be expected to actively participate in class discussion and activities.

Success in college and job training does not come easily for many students. The content of college classes is difficult to acquire with extensive reading assignments, note taking and organizing, studying for objective and essay exams, and producing a variety of papers. High school students need to sharpen their communication skills before entering the academic atmosphere of college and/or job training, which requires self-discipline as well as self-assurance. The goal of this class is to prepare students for college by increasing their listening, speaking, writing, reading comprehension and interpersonal communication abilities.

APPLIED COMMUNICATIONS

Level: Grade 12

Prerequisite: English III

Units: 1

This course will give students a basic knowledge of communication to aid them in pursuing a career in the future. Competent communication is important in all walks of life. Students will learn how to write resumes, speak in public, and work in cooperative situations. They should develop skill that will aid them throughout life.

In this class, students will research information in order to write and present speeches. They will write resumes and business letters. They will learn about not only effective speaking, but also effective listening. They will be assessed on their work in tests and other class assignments.

NOVELS

Level: Grade 9, 10, 11, 12

Prerequisite: None

Units: 1/2

This elective communication arts course will take students through many classic novels. Independent reading will be necessary in and outside of class. The course will be supplemented with creative writing assignments to encourage literature reflections of theme, plot, and other literary devices.

MATHEMATICS

GENERAL MATH

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

This course is designed to solidify the mathematics you already know and to prepare students for more advanced math like algebra and geometry. It will also enable students to deal with the mathematics found in everyday life. This course includes the study of decimals notation, large and small numbers, measurement, uses of variables, patterns, problem solving, graphs and tables, order of operations, real numbers, volume and area, equations and coordinate graphs.

Mathematics is a necessary part of everyday life. Students will be able to (1) relate mathematics to real life situations; (2) become confident in their ability to apply mathematical concepts; (3) become problems solvers; (4) incorporate technology as a problem-solving tool; (5) communicate mathematics proficiently; (6) and reason mathematically.

ALGEBRA I

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

This course is designed for the student who has been successful in mastering the basic mathematics skills. Emphasis is on number relations, equations, polynomials, factoring fractions, functions, relations,

inequalities, graphs, systems of equations, powers, roots and radicals. This course is designed to give students a good basis for their mathematical careers, however far they want to go.

This course is designed to provide students with a solid foundation in algebra as well as to help develop their problem-solving skills. The concepts that will be covered include equations and inequalities, graphs and functions; systems of equations; exponents; polynomials; and rational expressions. This course helps prepare students for secondary mathematics courses.

GEOMETRY

Level: Grades 10, 11, 12

Prerequisite: Algebra I

Units: 1

Geometry is designed to let students intelligently interact with the geometric world by introducing the study of geometric figures such as polygons and circles. This is the course generally used to introduce and teach the generation and use of mathematical proofs. Inductive and deductive reasoning are defined and used.

This course seeks to expand student's mathematical knowledge. Most of the math students have encountered to this point has been number manipulation. This will be a course of investigating figures, circles, angles, lines, segments, rays, and other abstracts that are not found in number manipulation. Construction of proofs is incorporated into the course to encourage the student's ability to reason and solve problems while paying strict attention to details.

ALGEBRA II

Level: Grades 10, 11, 12

Prerequisite: Algebra I

Units: 1

Algebra II builds on the concepts introduced in Algebra I and introduces new algebraic topics such as polynomial and rational functions, and complex numbers. This course is designed for students who intend to continue with technical studies, but is also a terminal math class for those who have no further high school math requirements.

Algebra II is the third course in the rotation of high level classes within the Hermitage HS Math program. This course builds on the concepts introduced in Algebra I, and Geometry.

MATH TECHNOLOGIES

Level: Grade 11/ 12

Prerequisite: Algebra II

Units: 1

This course is designed to increase knowledge of mathematical technology with the goal of enriching students' mathematical studies and promoting success on college entrance exams by way of research and application. Students will demonstrate the ability to apply mathematical technology, such as graphing calculators, to model data, solve algebraic and statistical problems. Prerequisite: Algebra 2

COLLEGE ALGEBRA

Level: Grades 11, 12

Prerequisite: Algebra II

- *Units: 1
- *May be taken for dual credit
- *Weighted class

This course is the standard course in college level algebra. The students will explore and investigate such topics as linear, quadratic, logarithmic, exponential, and absolute value equations; equation reducible to quadratic form; linear, polynomial and rational inequalities; complex numbers; graphs of linear, polynomial, exponential, logarithmic, and rational functions; conic sections, inverse functions, operations and functions including the composition of functions; linear and non-linear systems of equations; matrices, and the binomial theorem. This course seeks to develop the students' understanding of more advanced concepts and methods of algebra in preparation for further study in mathematics and specific applications. The course is used as a basic mathematics requirement for many baccalaureate degree programs nationwide.

This course seeks to develop the students' understanding of more advanced concepts and methods of algebra in preparation for further study in mathematics and specific applications. The course is used as a basic mathematics requirement for many baccalaureate degree programs nationwide.

PRE-CALCULUS

- Level: Grade 12
- Prerequisite: College Algebra
- *Units: 1
- *May be taken for dual credit
- *Weighted class

The students will explore and investigate such topics as linear, quadratic, logarithmic, exponential, and absolute value equations; equation reducible to quadratic form; linear, polynomial and rational inequalities; complex numbers; graphs of linear, polynomial, exponential, logarithmic, and rational functions; conic sections, inverse functions, operations and functions including the composition of functions; linear and non-linear systems of equations; matrices, and the binomial theorem. This course seeks to develop the students' understanding of more advanced concepts and methods of algebra in preparation for further study in mathematics and specific applications. The course is used as a basic mathematics requirement for many baccalaureate degree programs nationwide.

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ANALYTIC GEOMETRY/ CALCULUS

- Level: Grade 12
- Prerequisite: College Algebra
- *Units: 1
- *May be taken for dual credit
- *Weighted class

The course topics of discussion that the students will discover and investigate include, but are not limited to, the following: an introduction to analytic geometry, limits and continuity of functions, derivatives, and differentials of functions, definite integrals, numerical techniques for approximating integrals, integration techniques, improper integrals, and applications of the above topics. This course serves as a foundational class for any student desiring to fully explore the field of mathematics.

This course serves as a foundational class for any student desiring to fully explore the field of mathematics. For such students, this course usually serves as the first of a three-semester sequence of calculus courses. For students not endeavoring to pursue a mathematical profession, this course usually serves as a mathematical requirement for a wide variety of other baccalaureate degree programs.

PHYSICAL EDUCATION

9th GRADE PHYSICAL EDUCATION

Level: Grade 9
Prerequisite: None
Units: 1

High School students are required to take two semester hours of Physical Education to meet the requirements for graduation. All 9th grade students attend five days a week for 50 minute class periods. The Physical Education program is to provide instruction which maximizes an individual's potential for developing a healthy body, mind, and character. Physical Education promotes development of fitness, knowledge of rules, self-esteem, sportsmanship, and cooperation within an individual and /or team framework.

LIFETIME SPORTS

Level: Grades 10, 11, 12
Prerequisite: None
Units: 1

Lifetime Sports introduces students to and develops many physical activities that can be carried on throughout a person's lifetime to encourage physical wellness and socialization within their communities. This class is offered to 10th, 11th, and 12th grade students as an elective.

HIGH SCHOOL PHYSICAL EDUCATION

Level: Grades 10, 11, 12
Prerequisite: None
Units: 1

High School students are required to take two semester hours of Physical Education to meet the requirements for graduation. All 10th – 12th students attend one semester five days a week for 50 minute class periods. The Physical Education program is to provide instruction which maximizes an individual's potential for developing a healthy body, mind, and character. Physical Education promotes development of fitness, knowledge of rules, self-esteem, sportsmanship, and cooperation within an individual and /or team framework.

BODY CONDITIONING

Level: Grades 10, 11, 12
Prerequisites: None
Units: 1

High School students are required to take two semester hours of Physical Education to meet the requirements for graduation. All 10th – 12th students attend one semester five days a week for 50 minute class periods. The Physical Education program is to provide instruction which maximizes an individual's potential for developing a healthy body, mind, and character. Body conditioning promotes development of fitness, knowledge and execution of proper exercise regimens, safety procedures, self-esteem, and cooperation with others in fitness programs.

FAMILY AND CONSUMER SCIENCE

CAREERS AND FAMILY LEADERSHIP

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: ½

The Careers and Family Leadership course is designed to assist Missouri citizens in preparing for success in family, career and community life. Performance competencies in the Career and Family Leadership course taught in Family and Consumer Sciences Education programs enable students to: a) promote personal growth and leadership development; b) explore work, jobs, and careers related to family and consumer sciences and human services; c) solve problems impacting the work of the family and make responsible decisions that impact career development and the establishment of entrepreneurial ventures; d) make decisions that support and strengthen the integration of multiple roles/responsibilities; e) construct meaning related to career development/preparation and communicate effectively with employers and others related to work, career development/preparation and entrepreneurial information and skills. Students explore careers through various activities, including the Missouri Connections Career Planning System, and all students will complete the Kuder Skills Assessment.

HEALTH

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1/2

Health is a state of well being. Although heredity and environment are health factors, your personal health is greatly influenced by the choices and decisions you make. The 9th grade health course of study will take the student from personal health to injury prevention, from community health to nutrition and fitness; from alcohol, tobacco, and drugs to personal and family development. The 9th grade health course of study is a comprehensive, skills based health program with a strong emphasis on abstinence. This course of study will lay the foundation for building lifelong health and fitness skills and will reinforce ways to practice skills that will help students make positive health choices. The student will be required to develop units in the National FCCLA program of Student Body. If the student is an FCCLA member then the student will receive State and National recognition for the units. The 9th Grade Health course will meet one-half unit health requirement in the high school curriculum classification standard. 9th Grade Health is an instructional program that prepares individuals to understand the related aspects of health and wellness with special emphasis on nutrition, emotional health and physical health; the relationship of the health of an individual to the wellness of the family; the prevention of illness; and the basic care of the ill; including the elderly, the young child and individuals with disabilities.

PROSTART I

Level: Grades 10, 11, 12

Prerequisite: None

Units: 1

This course prepares students to master kitchen basics, such as food service equipment, nutrition, breakfast foods, salads and garnishes, and fruits and vegetables. In addition, a heavy emphasis is placed on safety and sanitation, including preparing and serving safe food, and preventing accidents and injuries. Then students will be exposed to successful customer relations and working with people. Students also begin to get an understanding of the business side of restaurant and food service management, covering such topics as business math and controlling food service costs. Students have the option of beginning a 400 hour internship which will count toward their National ProStart Certificate of Achievement. A National Credentialing Exam will be given to all ProStart I students.

PROSTART II

Level: Grades 11, 12

Prerequisite: ProStart I

Units: 1

ProStart II, a national credentialing course, allows students to study advanced skills in the hospitality industry, including tourism and the retail industry, the history of foodservice, and the lodging industry. Advanced food service skills include potatoes and grains, meat, poultry, seafood, stocks, soups & sauces and desserts & baked goods. Service skills are further refined through the art of service communicating with customers. Building upon the math learned in Year I, students will learn purchasing and industry control standard accounting practices and how to build restaurant sales through marketing. Students will complete the remainder of a 400 hour paid or unpaid one credit internship which will count towards their National ProStart certificate of Achievement. A National Credentialing Exam will be given to all ProStart students.

CHILD DEVELOPMENT I

Level: Grades 11, 12

Prerequisite: None

Units: ½

This course of study will begin with the introduction of why we study children and parenting. The course of study will focus on the development from conception to age six. Development includes not only physical maturation, but also an understanding of how social, emotional, and intellectual development of a child is fostered as well as hindered. All through the course of study the interrelationship of all areas of development of the child is stressed. This approach will be interwoven with practical application to parenting as well as the child care situation with practical application in the preschool child care facility on the campus of Hermitage R-IV schools.

CHILD DEVELOPMENT II

Level: Grades 11, 12

Prerequisite: Child Development I

*Units: ½

*This class may be taken for dual credit.

This course is designed to teach concepts to improve the quality of life for Missouri's children and achieve performance competencies in the Child Development, Care and Guidance. It is designed help students to: construct meaning related to the rights of families and the ethical responsibilities of working with children, communicate effectively with family members, childcare agencies, and professional service providers, solve problems based upon the developmental needs of children, make decisions that support the sound physical, mental and social development of children and assess the impact of quality childcare on the family and the community.

APPAREL AND TEXTILES

Level: Grades 11, 12

Prerequisite: None

Units: ½

Apparel and Textiles course of study offers students the opportunity to explore and expand their knowledge of fashion, fabrics, and clothing construction. Concepts are combined with practical application to ensure that knowledge gained can be put to use. Throughout the course, students practice important skills such as decision making, goal setting, problem solving, and critical thinking. Topics such as technology, school-to-work skills and building a portfolio are interwoven throughout the course of study. Students will be required to develop projects through FCCLA Career Connection. If the student is a FCCLA member then the student will receive State and National awards for their projects. The Apparel and Textile course of study is an instructional program that prepares individuals to understand the social, psychological and physiological aspects of clothing and textiles; the nature acquisition, and use of clothing and textile products; the selection, construction, maintenance and alteration of clothing and textile products; and the effect of consumer choices on the individual and family, as well as the clothing and textile industry.

PERSONAL FINANCE

Level: Grade 12

Prerequisite: None

Units: 1/2

The Personal Finance course of study is designed to be an activity-based course using the multiple intelligences to actively engage students throughout the course of study. The course will engage the student in a wide variety of financial concepts, such as values identification, the understanding of usage of credit, the benefits of investment and basic skills dealing with finance. The basic skills covered in this course are: paycheck earnings, banking, checking, renting a home, buying food, paying utilities, investing, insurance, income taxes, savings, clothing purchases, Rule of 72 and basic skills for becoming financially stable at an early age.

Students will learn what they are able to do with their money by learning about financial options and their responsibilities. Students will also learn about the consequences of mismanaged finances. The personal finance course of study will allow students to explore the use of personal financial resources to enjoy today and be financially secure tomorrow.

BUSINESS

COMPUTER APPLICATIONS

Level: Grades 9, 10, 11, 12

Prerequisite: Keyboarding

Units: 1

As a year-long course, Computer Applications is designed to teach students how to use the computer as a business and personal tool through the use of application software. Students will be introduced, through hands-on experiences, to the Windows environment, Microsoft Office 2010, and the Internet.

ADVANCED COMPUTER APPLICATIONS

Level: Grades 10, 11, 12

Prerequisite: Computer Applications

Units: 1

As a year-long course, 45 minutes/day, Advanced Computer Applications is designed to provide the students an advanced-level experience with practical applications through hands-on instruction. Course content will include advanced features in Word, Excel, PowerPoint and Publisher. Access database management software will be introduced along with coding.

ACCOUNTING I

Level: Grades 10, 11, 12

Prerequisite: Solid math background needed

Units: 1

This year-long course provides an understanding of the basic elements and concepts used to operate businesses organized as proprietorships, partnerships and corporations. Activities include the application of the accounting equation and the accounting cycle, entering transactions in journals, posting ledgers, preparing end-of-period statements and working with payroll and banking activities. Instruction in this area plays an important role for students who are preparing for accounting careers after graduation--employment or higher level of education. It is also a crucial component of academic backgrounds for students who will pursue entrepreneurial ventures and small business ownership. All students, regardless of the profession they choose, can benefit from accounting instruction since it is an integral part of every business institution and organization.

ACCOUNTING II

Level: Grades 11, 12

Prerequisite: Accounting I

*Units: 1

* This class may be taken for dual credit

* Weighted class

This year-long course is a continuation of Accounting I. As an advanced course it is designed to prepare students for entry-level jobs in Accounting or to prepare students for further study in the Accounting field. An in-depth review of accounting principles and procedures from Accounting I is addressed. Additionally, this course is set-up as an independent-study. Only students who can manage their own

time and are serious about the study of Accounting should enroll. Automated procedures will be used extensively in this course as well.

BUSINESS TECHNOLOGY I

Level: Grades 10, 11, 12

Prerequisites: Computer Applications

Units: 1/2

Business Technology I is designed to help you develop job skills that will be important in your career in a professional or business position. The content of this semester course will help you prepare to enter the workforce directly after graduation or post-secondary education and to face the inevitable changes you will encounter in the future through evolving technologies.

BUSINESS TECHNOLOGY II

Level: Grades 10, 11, 12

Prerequisite: Computer Applications

Units: 1/2

Business Technology II is designed to help you develop multimedia skills that will be important in your career in a professional or business position. The content of this course will help you prepare to enter the workforce directly after graduation or post-secondary education and to face the inevitable changes you will encounter in the future through evolving technologies.

DESKTOP PUBLISHING I

Level: Grades 10, 11, 12

Prerequisites: Computer Applications, C average in English classes

Units: 1

This year-long course will teach the skills necessary for effective verbal/visual publications. Students will cover such areas as page layouts, creating graphics, importing and manipulating graphics, creating and manipulating text, designing effective publications, adding special effects, coloring, and working with scanned images. As a result, the students will complete the *Hornet* district yearbook.

DESKTOP PUBLISHING II

Level: Grades 11, 12

Prerequisite: Desktop Publishing I

Units: 1

This year-long course will teach the skills necessary for effective verbal/visual publications. Students will cover such areas as page layouts, creating graphics, importing and manipulating graphics, creating and manipulating text, designing effective publications, adding special effects, coloring, and working with scanned images. As a result, the students will complete the *Hornet* district yearbook. Students enrolled in DTP II will be given more in-depth assignments and new topics to cover. Those students will also act as peer tutors for students enrolled in DTP I.

DESKTOP PUBLISHING III

Level: Grade 12

Prerequisite: Desktop Publishing II

Units: 1

This year-long course will teach the skills necessary for effective verbal/visual publications. Students will cover such areas as page layouts, creating graphics, importing and manipulating graphics, creating and manipulating text, designing effective publications, adding special effects, coloring, and working with scanned images. As a result, the students will complete the *Hornet* district yearbook. Students enrolled in DTP III will be given more in-depth assignments and new topics to cover. Those students will also act as peer tutors for students enrolled in DTP I and II.

ENTREPRENEURSHIP & BUSINESS LEADERSHIP

Level: Grade 10, 11, 12

Prerequisite: Computer Applications and FBLA Membership

Units: 1

This year-long, 45-minute/day course provides students with the fundamental knowledge needed for organizing, developing, and implementing a business concern within the private free enterprise system. Topics of study will include learning the advantages and disadvantages of owning a business, preparing a business plan, financing a business, human resources, marketing and management. In addition, students will be equipped to become school and community leaders in the area of business affairs, financial planning and event planning related to the FBLA Business Achievement Awards.

AGRICULTURE

AGRICULTURAL SCIENCE I

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

A course designed for introductory instruction in animal science, agricultural mechanics, career exploration, leadership and personal development, and supervised agricultural experience. Units may include agribusiness, natural resources, and food science. FFA is an integral part of this class and should be joined. All students must conduct an SAE.

Agriculture encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. An understanding of careers, leadership, and basic principles in animal husbandry provides a sound background for the agricultural industry.

AGRICULTURAL SCIENCE II

Level: Grades 10, 11, 12

Prerequisite: Agricultural Science I

Units: 1

A course designed for basic instruction in plant and crop science, soils, entomology, horticulture, and forestry, and additional instruction in agricultural mechanics, career development, leadership, and

supervised agricultural experience. FFA is an integral part of this class and should be joined. All students must conduct an SAE.

GREENHOUSE OPERATION AND MANAGEMENT

Level: Grades 11, 12

Prerequisite: Agricultural Science II.

Units: 1

This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project. FFA is an integral part of this class and should be joined. All students must conduct an SAE.

Offered in alternating years; will be offered in 2018-2019.

NURSERY AND LANDSCAPING

Level: Grades 11, 12

Prerequisite: Agricultural Science II.

Units: 1

This course develops a basic understanding of landscaping and propagation techniques. The production of propagated plants will be used to demonstrate and show concept comprehension. Students will create their own landscaping project. FFA is an integral part of this class and should be joined. All students must conduct an SAE. II.

Offered in alternating years; will be offered in 2017-2018.

AGRICULTURAL STRUCTURES

Level: Grades 11, 12

Prerequisite: Agricultural Science II.

Units: 1

Agricultural Structures is a course that utilizes woodworking in the development and construction of major wood projects. FFA is an integral part of this class and should be joined. All students must conduct an SAE project.

Offered in alternating years; will be offered in 2018-2019.

AGRICULTURAL ECONOMICS

Level: Grades 11, 12

Prerequisite: Agricultural Science II

Units: ½

Have you ever wondered how you were going to operation all of your finances, stay out of debt all while doing everything the government wants you to? You will explore the importance of agricultural economics and management and how it can turn a failing business into a profitable one. Topics include economic principles, farm planning, functions, global markets, agribusiness function, and business management.

Offered in alternating years; will be offered in 2018-2019.

AGRICULTURAL CONSTRUCTION

Level: Grades 11, 12

Prerequisite: Agricultural Science II

Units: 1

Have you ever wanted to learn how to weld? Agricultural construction will explore all of the common applications that it takes to weld with arc, mig, tig, and oxy/fuel welding as well as the actual building of a metal projects. At the end of the year students will be in charge of designing and building a project. Offered in alternating years; will be offered in 2017-2018.

AGRICULTURAL COMMUNICATIONS

Level: Grades 11, 12

Prerequisite: Agricultural Science II

Units: ½

We use communications every day. Whether verbal or non-verbal it is important to know how to present yourself appropriately in the agricultural industry and in life. This course will show students how to give a presentation, utilize verbal and non-verbal skills, and use proper etiquette. FFA is an integral part of this class and students will be expected to join. All students must conduct an SAE. Offered in alternating years; will be offered in 2018-2019.

ADVANCED ANIMAL SCIENCE

Level: Grades 11, 12

Prerequisite: Agricultural Science II

Units: 1

The course utilizes knowledge gained from Ag. Science I and II and probes deeper into the study of animal science. Emphasis of this course will be on animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology. Offered in alternating years; will be offered in 2017-2018. This class will be available for dual credit for 2017-2018.

AGRICULTURE LEADERSHIP

Level: Grades 10, 11, 12

Prerequisite: Agricultural Science II

Units: 1

This course will enable students to develop the knowledge, attitudes and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, written communication, meeting people, good first impressions, personal goals, team work, team/organizational goals, organizing groups to take action and evaluation of team/organizational actions. This class will focus primarily on leadership in the FFA Organization. Students will be REQUIRED to pay FFA dues, have an SAE project established, and attend some FFA activities throughout the year.

Course Rationale – Agriculture encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation’s workforce. Leadership and communication skills are required for individual success in all agricultural careers, and the Agriculture industry needs spokespersons and leaders to represent it in an increasingly urban population.

SCIENCE

CONSUMER SCIENCE

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

The purpose of this course is to allow students to analyze interactions between humans and their environments with emphasis placed on the need for and use of energy and mineral resources. The course incorporates the ecosystem concept and the scientific laws that govern energy and resource use. Students study traditional energy sources and use and analyze our current supply-demand situation along with alternatives for the future. Environmental and socioeconomic impacts of energy and mineral use and development are examined. Consideration is given to the roles played by government, industry, international politics, and individuals in the energy/resource/environmental system. Students are directly involved in lab-type activities that help clarify and expand information presented in the text and by the instructor.

PHYSICS FIRST

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1

Physics First emphasizes the science behind real world applications of physics concepts. Hands-on explorations using math and technology are incorporated to gain well-rounded knowledge of physics concepts. The content shall include: Electricity, Uniform Motion, Accelerated Motion, Forces and Newton's Laws, Applications of Newton's Laws, Energy, Thermal Energy, Waves, and Planetary Motion. Students will accumulate data, construct graphs and develop mathematical models to describe the physical world. Lab activities are designed to develop skills in experimental design and data analysis. Students will use experimental design to solve problems discussed in class.

BIOLOGY I

Level: Grades 10, 11, 12

Prerequisite: None

Units: 1

The purpose of this course is to provide students with exploratory experiences and activities in the concepts of biology. The content shall include, but not be limited to: Biological principles, Cell structure and function, Biological Chemistry, Genetics, Classification of groups of organisms, Human biology and Ecological relationships.

BIOLOGY II

Level: Grades 11, 12

Prerequisite: Biology I

*Units: 1

*May be taken for dual credit, ONLINE

*Weighted class

Detailed summary of modern biological concepts. Emphasis on key biological principles and their application in genetics, medicine, and other related biological fields. The content shall include but not be limited to: 1. characteristics and organization of living things, 2. cell biology, 3. metabolic processes, 4. genetics, 5. DNA, 6. human biology. Laboratory activities will include science inquiry, use of technology, and dissection of specimens.

CHEMISTRY I

Level: Grades 10, 11, 12

Prerequisites: Physics First and Algebra I

*Units: 1

*Weighted class

The purpose of this course is to provide students with the study of the composition properties and changes associated with matter. The content shall include, but not be limited to: use of chemical measurements and the scientific method, understand the mole concept, identify the various parts of an atom and associated energies, describe, explain and use periodic law, analyze the kinetic theory, use and understand oxidation-reduction reactions, understand and explain the states of matter and the laws applied to each. Laboratory activities which include the use of the scientific method, measurement, laboratory apparatus and safety are key concepts used in this course.

CHEMISTRY II

Level: Grade 12

Prerequisite: Chemistry I

*Units: 1

*May be taken for dual credit

*Weighted class

The purpose of this course is to provide students with the study of the energy and equilibrium changes associated with matter.

The content shall include, but not be limited to : 1) analyze energy changes in chemical reactions, 2) calculate reaction rates, 3) describe factors that affect chemical equilibrium, 4) describe conversions between electric and chemical energy, 5) understand hydrocarbons and their reactions, 6) apply nuclear chemistry to a variety of purposes.

SOCIAL STUDIES

AMERICAN GOVERNMENT

Level: Grades 11, 12

Prerequisite: None

Units: 1

This course is designed to provide the essentials of citizenship education (knowledge, skills and attitudes) to students so they will be perceptive, knowledgeable, and participatory members of society. The areas of instruction include basic principles of American government at the local, state and federal levels; rights and responsibilities of citizens; structure and functions of the legal, economic and political systems; and acquisition and use of critical thinking skills. Special units are included on the Missouri and US Constitutions.

MISSOURI HISTORY

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: ½

This course is designed to give students knowledge of Missouri's history, its problems, and the causes and effects of events in our development as a state. Areas of study include the state constitution, evolution of social and economic growth, Missouri's place in the historical development of our nation, and a pride in our accomplishments. It is important for students to realize the heritage and development of their state. This course is designed to give students knowledge of Missouri's growth and development as a state. An appreciation for events shaping the state may lead to a lifetime learning process dealing with Missouri history.

Offered in alternating years; will be offered in 2015-2016.

LIBERTY AND LAW

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: ½

This course is designed to provide the essentials of basic legal issues, policies and procedures to students so that they will be perceptive, knowledgeable, and participatory members of society.

The areas of instruction include basic principles of American government, rights and responsibilities of citizens, structure and functions of the legal system, and acquisition and use of critical thinking skills. Special units are included on mock trial presentation.

Students are expected to do reading, research, writing assignments, discussion and take all tests given during the course.

Students should: be able to infer cause-effect relationships, recognize causes and consequences of historical events, be able to read and understand graphs, charts, and maps, know the rights guaranteed in the US Constitution, know the rights guaranteed in the Missouri Constitution, be familiar with American documents and be able to infer from the Democratic principles.

AMERICAN HISTORY

Level: Grades 10, 11, 12

Prerequisite: None

Units: 1

This course focuses on the events that have shaped the United States following the Civil War to the present. This course will include, but is not limited to, the following: Reconstruction and its effects; the American frontier; the growth of cities and the arrival of new immigrants; American imperialism; the Progressive era; World War I; social changes of the 1920s; the Great Depression; New Deal reforms; World War II; the Cold War; the 1950s and 1960s; the Vietnam War; the Nixon, Ford, Carter, Reagan, Bush Sr., Clinton and Bush Jr. administrations. Students will be expected to complete reading assignments, written assignments, examinations, as well as participate in class discussions.

WORLD HISTORY

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: 1/2

This course will begin with the earliest civilizations through modern times. Emphasis will be placed on cultural development, political systems, economic issues, and their impact on society today. Students will read, do research, and assessments to complete assignments. Students will understand through discussions and presentations, how people adjust to their environments, how they develop in their culture, and learn from other peoples of the world. They will learn about how war, natural disasters, and other factors affect individuals as well as whole communities.

PSYCHOLOGY

Level: Grades 11, 12

Prerequisite: None

*Units: ½

*May be taken for dual credit

*Weighted class

This course is designed to explore the study of human behavior and how to deal with this behavior. Areas of instruction include methods, development of behavior, influences of heredity and environment, personality theories and measurements, intelligence theories, principles of learning, sensory perception, emotions, conflict resolution, personality disturbances and treatment, and societal influences. The exploration and study of human behavior, and how to deal with this behavior, is the focus of psychological study. Students will make two important gains by learning about insight into behavior and new practical information on how to deal with situations in everyday life. Due to the constant interaction among people in all aspects of life and the understanding of human behavior, the study of psychology will aid the student throughout their lifetime.

Offered in alternating years; will be offered in 2015-2016.

SOCIOLOGY

Level: Grades 11,12

Prerequisite: None

*Units: ½

*May be taken for dual credit

*Weighted class

This is an introductory course in the study of human relationships. The areas of instruction include an emphasis on groups and institutions, crime, delinquency, racial relations, and other social problems that develop from living in a complex, changing society. Due to the nature of interactions among people in all aspects of life students will be able to use sociology, the study of human relationships, throughout their lifetime. The sociological perspective can help people to realize that the causes of behavior may be different from what they may appear to be on the surface. It can help make us more aware of the fact that our own behavior is the result of social influences. Finally, the study of sociology can help us look at ourselves and the world around us more objectively.

Offered in alternating years; will be offered in 2016-2017.

GEOGRAPHY

Level: Grades 9, 10, 11, 12

Prerequisite: None

Units: ½

This course is designed to provide students with basic knowledge of the geography of the world. Areas of instruction will include major geographic regions, countries and cities. It will also cover major geologic formations such as mountain ranges, deserts, oceanic structures, and river basins. A major topic in this course will be the study of major cultures, their development and geographic areas in which they are dominant.

Students will be expected to demonstrate knowledge of individual countries, their location, their major ethnic characteristics and geologic structures.

CURRENT EVENTS/ MODERN CONTEMPORARY ISSUES

Level: Grades 11, 12

Prerequisite: None

Units: ½

This course is designed to revolve around awareness of the major cultural, social, and political events occurring now. The course will give students tools to identify sources of news and to objectively criticize those sources as to their credibility. The course will require students to evaluate news items from all perspectives. Students will be involved in projects to discuss and debate current topics from opposing views. They will be expected to present evidence and debate views which oppose their own in order to form a more objective view of world events.

WORLD CULTURES

Level: Grades 10, 11, 12

Prerequisite: None

Units: ½

This course is based on the relationships of people around the world, stressing changes in society, and environment, and economy. Emphasis will be placed on the cultural and historical development of many different nations. We will do many different projects using research, mapping and other activities. Today we live in a global society, and students need to be familiar with other nations' cultures, including religion and language, and understand other views from around the world. Students will do maps, discuss cultures, and assess geographical features.

WORLD LITERATURE

Level: Grades 10, 11, 12

Prerequisite: None

Units: ½

This course is designed to view different kinds of literature from around the world, including news that literature happening in our area. Students will focus on learning about different kinds of texts and will work on a school newspaper.

ELECTIVES

ACT PREPARATION

Level: Grades 11, 12

Prerequisite: None

Units: ½

Students will review and master academic skills tested in the ACT, an academic achievement test that is used in college admissions and scholarship decisions. Students will also learn effective test-taking strategies. Through the use of practice tests, students will identify areas for improvement and work on individualized learning goals.

A+ TUTORING

Level: Grade 12

Prerequisite: Eligibility for A+ scholarship

Units: ½

Eligibility for A+ scholarship: 95% attendance rate, minimum 2.5 GPA, attend an A+ designated high school for at least three consecutive years before graduation, maintain a record of good citizenship and avoidance of the unlawful use of drugs and/or alcohol.

Students meeting the above eligibility guidelines may complete the final requirement, 50 hours of unpaid tutoring or mentoring for other students, by taking this class first or second semester of their senior year. Students will assist elementary or middle school students in their learning under the direction of a classroom teacher.

DALLAS COUNTY TECHNICAL CENTER

COLLISION REPAIR TECHNOLOGY I, II
AUTOMOTIVE TECHNOLOGY I, II
COMPUTER INFORMATION SYSTEMS I, II
HEALTH SCIENCES I, II
WELDING TECHNOLOGY I, II
GRAPHIC ARTS OCCUPATIONS I, II
CRIMINAL JUSTICE/CRIMINAL SCENE INVESTIGATIONS

Level: Grades 11, 12

Prerequisite: None for 1st year. 2nd year: same course part I

Units: 3 (though, with travel time, these classes take up 4 periods in your schedule)

See the DCTC website for detailed information on each course: <http://dccc.dallas1.schoolfusion.us>

PROGRAMS AVAILABLE

AUTOMOTIVE TECHNOLOGY I & II

Automotive Technology is a two-year program for juniors and seniors that is designed to challenge student's problem solving skills while meeting the needs of today's modern automotive service and repair industry. Students will work individually as well as in groups. The course's main objective is to prepare students for entry level employment in the automotive service field, as well as introduction to current ASE areas of study.

On-site testing for student certification in all eight ASE light car and truck areas are available upon course completion to qualifying students.

Recommendations: Students should have a good math, reading, and science background.

Prerequisites: To enroll in Automotive Technology II, the student must have passed Automotive Technology I.

COLLISION REPAIR TECHNOLOGY I & II

The Collision Repair Technology program provides the student with the basic knowledge and skills that are necessary for the repair and refinishing of the modern automobile. It provides an understanding of how cars and trucks are constructed through study in class. It also covers a wide range of manipulative skills through shop work which includes sheet metal straightening, welding, fiberglass and plastic work, panel replacement, glass replacement, as well as painting and refinishing and damage appraisal.

Qualifying students may receive ASE student certification upon completion of the program. Students also have the opportunity to certify in the I-Car student certification program.

Students that complete this course may receive up to 16 articulated credits thru State Fair Community College.

Prerequisites: To enroll in Collision Repair Technology II, the student must have passed Collision Repair Technology I.

COMPUTER INFORMATION SYSTEMS I & II

The Computer Information Systems program at the Dallas County Technical Center is intended to provide an introduction to the field of Information Technology and prepares students to further study in the career field of their choice, with an understanding of the basics of how information is input, processed, output, stored, and transmitted in digital form. The first year of the program provides training in computer hardware and software and aligns with COMPTIA A+ Certification. The second year of the program includes an introduction to networking through the use of the OSI and TCP/IP models. All students will participate in hands-on laboratory experiences and problem solving activities, including an important mathematical component.

Students have the opportunity to become certified through Microsoft Technology Associate.

Students meeting program requirements may earn up to 4 articulated college credit through Ozarks Technical Community College.

Recommendations: Students should have a good math background.

Prerequisites: To enroll in Computer Information Systems II, the student must have passed Computer Information Systems I with a C and be recommended by the instructor.

GRAPHIC ARTS OCCUPATIONS I & II

The Graphic Arts program is a two-year program, which studies the various career paths in the graphics industry. This can include: study of digital photography, screen-printing, vinyl sign-making, vinyl applications, embroidery, advertising design, and 3-D modeling and printing. Students work in an environment much like a design company, where they are assigned projects that will challenge and enhance their skill and portfolios. Copyright and business ethics are stressed in the Graphic Arts program. Participation in the co-curricular program SkillsUSA is encouraged.

Students meeting program requirements may earn up to 3 articulated college credit through Ozarks Technical Community College.

Recommendations: Students interested in enrolling in the photography portion of the class would greatly benefit from a basic knowledge of PhotoShop.

Prerequisites: To enroll in Graphic Arts II, the student must have passed Graphic Arts I.

HEALTH SCIENCES I

Health Sciences I is available to the high school junior or senior who is interested in any career in healthcare. Students will learn why the human body operates as it does. They will become familiar with vocabulary and terminology of the medical world. In addition, the student will explore health careers and the unique role that each plays in the health maintenance, disease prevention, diagnosis, treatment, and rehabilitation. Students will also have an opportunity to observe the duties performed by dental and medical assistants, x-ray technicians, veterinary assistants, pharmacy assistants, nurses and many other health professionals.

Students will receive Basic Life Support for Healthcare CPR certification.

Students can earn up to 3-1/2 articulated credits with State Fair Community College.

HEALTH SCIENCES II

Health Sciences II is available to the high school senior who is interested in obtaining employment as a Certified Nurse Assistant. Students will learn why the human body operates as it does, how to prevent the spread of disease, and how to provide basic health care skills. They will become familiar with vocabulary and terminology of the medical world. The student also learns all the skills related to the duties of a nurse assistant. Through the combination of area health care facility, students are provided the opportunity of combining theory with clinical practice while being supervised by facility healthcare professionals and their instructor.

Students have the opportunity to obtain their Certified Nurse Assistant certification.

Recommendations: Students should have a good math and science background as well as an interest in working with people.

Prerequisites: To enroll in Health Occupations II, students must be entering their senior year. While it is not a prerequisite to have taken Health Sciences I, students that have successfully completed Health Sciences I will be given special consideration.

WELDING TECHNOLOGY I & II

The Welding Technology program is designed to follow the AWS SENSE (Schools Excelling through National Skill Standards Education) certification program and teaches all major welding and cutting processes as set forth by the American Welding Society. Course topics include: occupational orientation, safety and health of welders, drawing and welding symbol interpretation, shielded metal arc welding, gas metal arc welding, flux cored arc welding, gas tungsten arc welding, thermal cutting processes, and welding inspection and testing principles. Whether students go to work or choose to work, they will excel because of the knowledge and skills they have obtained.

Students have the opportunity to become an AWS Certified Welder and obtain AWS SENSE Level 1 National Certification. Students are also given the opportunity to become a member of the DCTC Student Chapter of the American Welding Society, AWS District 17 – Section 136/Ozark Section, as well as a member of SkillsUSA.

Students meeting program requirements may earn up to 21 articulated college credit through State Technical College, 16 hours through Ozarks Technical Community College, or 16 hours through State Fair Community College.

Recommendations: Students should have a good math and science background, mechanical aptitude, dexterity, and good hand-eye coordination.

Prerequisites: To enroll in Welding Technology II, the student must have passed Welding Technology I.

CRIMINAL JUSTICE/CRIMINAL SCENE INVESTIGATIONS

This course is designed to acquaint the student with historical perspective of law enforcement and a variety of criminal justice career fields including, but not limited to Crime Scene

Investigations, Law Enforcement, Police Science, Corrections, and Legal Studies. In addition, the Missouri Peace Officer Standards and Training Program (POST) are integrated throughout the course. The program will provide students the opportunity of assimilation of knowledge and acquisition of skills through practical experiences and classroom participation. Contents may include the discussion and viewing of major crimes and physical fitness. All are significant and vital to our past, present, and future in the investigation and prosecution of such crimes. The goal is to become aware of the social forces that shape our lives and gain insight into the many different aspects of law enforcement and how they influence society's view and opinion on how to deal with and handle crimes.

HERMITAGE HIGH SCHOOL