Winfield High School
Career & Educational
Planning Guide

To Ensure Student Learning



2025-2026
Course Description Book

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COURSE DESCRIPTIONS

- English/Language Arts
- Mathematics
- Science
- Social Studies
- Physical Education/Health

- Practical Arts
  - Agricultural Sciences
  - Technology
  - Business
  - Family & Consumer Science
- Fine Arts
  - Art
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GENERAL INFORMATION

Unit of Credit

One unit of credit is earned for successfully completing two (2) semesters of course work.

Elective

A course that a student chooses to take, but which is not specifically required for graduation or which is above the requirements for graduation in that particular area.

Prerequisites

A course that must be successfully completed before another related course may be taken. For example, Agricultural Science 1 should be completed before a student can enroll in Agricultural Science 2.

Grading Scales

93-100	A	4.00	73-76	C	2.00
90-92	A-	3.67	70-72	C-	1.67
87-89	B+	3.33	67-69	D+	1.33
83-86	B	3.00	63-66	D	1.00
80-82	B-	2.67	60-62	D-	0.67
77-79	C+	2.33	0-59	F	0.00

Students enrolled in honors courses will be graded on the following scale:

93-100	A	5.00	73-76	C	3.00
90-92	A-	4.67	70-72	C-	2.67
87-89	B+	4.33	67-69	D+	2.33
83-86	B	4.00	63-66	D	2.00
80-82	B-	3.67	60-62	D-	1.67
77-79	C+	3.33	0-59	F	0.00

Grade Point Average, Class Rank, and Valedictorian/Salutatorian

A student's grade point average (GPA) is computed by dividing the total grade points earned by the number of courses completed. Students are ranked by grade level based on their cumulative GPA. (At graduation, the senior student with the highest GPA will be honored as the class Valedictorian. The senior student with the second highest GPA will be honored as the class Salutatorian. Each will be able to present a short speech to his/her class during the graduation ceremony.) (In effect for the classes of 2024-2026)

GENERAL INFORMATION

Schedules

All courses are considered either year-long or semester courses. Therefore you will be required to remain in that class until the course is completed. In the event a change needs to be made it must have administrative approval.

Honors Courses

Honors courses are offered in several departments. Admission to these courses is based on a student's demonstrated ability and desire to do challenging academic coursework. Criteria for honors classes include:

A zero late work policy

At least one research/performance-based project per semester

Additional reading requirements outside of the classroom

Increased difficulty and rigor of assignments and coursework

Adding or Dropping a Class

Changes must be made within the first week of the semester. Changes may ONLY be made for one of the following reasons:

Scheduling error

Credit has already been given for class and additional credit would not be allowed

Necessary prerequisites have not been met

Necessary to meet graduation requirements

Special Education services, student is incorrectly placed in a class

Grade Level Student Classification

Students will be classified as follows:

First year of attendance	Freshman
Second year of attendance	Sophomore
Third year of attendance	Junior
Fourth year of attendance	Senior

Students will attend meetings and participate in the activity of the respective classes. Seniors, however, may only participate in Senior Week activities if they are on track to graduate that spring.

Graduation Requirements

PARTICIPATION IN THE GRADUATION CEREMONY

At the end of the last semester of their senior year, only those students who have completed all graduation requirements may participate in the graduation ceremony. To graduate, a student must earn 25 units of credit. One unit of credit is earned for passing a course that meets for two semesters. Successful completion of a course that meets for only one semester earns one-half unit of credit. Specific requirements are listed below:

Winfield High School Graduation Requirements

Language Arts	1
Language Arts II	1
Language Arts III	1
Language Arts Elective	1
Math	3
Science	3
World History	1
American History	1
American Government	1
Intro to P.E	½
P.E. Elective	½
Health	½
Fine Arts	1
Practical Arts	1
Personal Finance	½
Technology	½
Electives	7½
Total Credits Required	**25**

HONORS CURRICULUM & REQUIREMENTS (Class of 2025, 2026)

At the end of the last semester of their senior year, only those students who have completed all graduation requirements may participate in the graduation ceremony. To graduate with honors, a student must earn 25 units of credit, graduate with a 3.5 GPA (weighted) and complete 50 Community Service hours. One unit of credit is earned for passing a course that meets for two semesters. Successful completion of a course that meets for only one semester earns one-half unit of credit. Specific requirements are listed below

Winfield High School - Honors Graduation Requirements

Language Arts	4	Health	½
Math	4	Fine Arts	1
Science	4	Practical Arts	1
Social Studies	4	Personal Finance	½
Foreign Language	2	Technology	½
Intro to P.E	½	Electives	7½
P.E. Elective	½		

LANGUAGE

Language Arts 2 Honors
Honors American Literature
College Prep English

SCIENCE **

Anatomy & Physiology
Biology Honors
Chemistry Honors
Forensics
Marine Biology

MATH

Geometry Honors
Advanced Algebra 2
Pre-Calculus
Calculus
College Algebra

HISTORY

American History Honors
Contemporary Issues
The World Wars/20th Century Conflict

AGRICULTURE **

Horticulture
Veterinary Science

****If a student takes "3" Agriculture classes it can count for a 3rd Science credit.***

Honors students will wear a Cum Laude stole according to GPA requirements. GPA is calculated after eight semesters and will NOT be rounded.

Those meeting the Honors requirements will be given a stole to wear at graduation based on the following criteria:

Summa Cum Laude	4.2 and above	Gold Stole
Magna Cum Laude	4.0—4.199	Silver Stole
Cum Laude	3.5-3.999	Bronze Stole

HONORS CURRICULUM & REQUIREMENTS (Class of 2027 and beyond)

At the end of the last semester of their senior year, only those students who have completed all graduation requirements may participate in the graduation ceremony. To graduate with honors, please refer to the Honors chart below.. One unit of credit is earned for passing a course that meets for two semesters. Successful completion of a course that meets for only one semester earns one-half unit of credit. Specific requirements are listed below

Winfield High School - Honors Graduation Requirements

Language Arts	4	Health	½
Math	4	Fine Arts	1
Science	4	Practical Arts	1
Social Studies	4	Personal Finance	½
Foreign Language	2	Technology	½
Intro to P.E	½	Electives	7½
P.E. Elective	½		

Honors students will wear a Cum Laude stole according to GPA requirements. GPA is calculated after eight semesters and will NOT be rounded.

Those meeting the Honors requirements will be given a stole to wear at graduation based on the following criteria:

Summa Cum Laude	**4.2 and above**	**Gold Stole**
Magna Cum Laude	**4.0—4.199**	**Silver Stole**
Cum Laude	**3.7-3.999**	**Bronze Stole**

Cum Laude Honors System

Cum Laude	Magna Cum Laude	Summa Cum Laude
*3.7-3.99 Cumulative GPA	*4.0-4.19 Cumulative GPA	*4.2-Above Cumulative GPA
*6 Honors Credits	*9 Honors Credits	*12 Honors Credits
*4 Credits Language Arts	*4 Credits Language Arts	*4 Credits Language Arts
*4 Credits Science	*4 Credits Science	*4 Credits Science
*4 Credits Math	*4 Credits Math	*4 Credits Math
*4 Credits Social Studies	*4 Credits Social Studies	*4 Credits Social Studies
*2 Foreign Language	*2 Foreign Language	*2 Foreign Language
*2/4 EOC's Proficient/Advanced or 20+ on ACT	*3/4 EOC's Proficient/Advanced or 22+ on ACT	*4/4 EOC's Proficient/Advanced or 24+ on ACT

* There will be no 9th grade honors classes

* In order for a student to be placed into core honors classes, the student must have a miminum of 85% in the class.

* In order for a student to remain in the core honors class, the student must obtain a minimum 80% or have a teacher reccomendation.

* If a student cannot maintain the requirments after being inside of the core honors class, they will not be allowed to join in following years.

*Written appeal for testing requirements may be made

DUAL CREDIT AND DUAL ENROLLMENT CLASSES

Students at Winfield High School have the opportunity to earn both high school and college credit for certain classes. Students must satisfactorily complete the courses, as well as pay a fee. Interested students should contact their guidance counselor for more information.

The following courses are offered for dual credit:

Winfield High School Course	Cooperating University
College Algebra	Missouri Baptist University
Calculus-Honors	Missouri Baptist University
Chemistry 1-Honors	Missouri Baptist University

Juniors and Seniors can also sign up to take Dual Enrollment courses through St. Charles Community College. Start earning college credit now. The credits earned will be recorded on an SCCC transcript and may be used to fulfill degree requirements at SCCC as well as WHS.

MINIMUM COLLEGE REQUIREMENTS

The Missouri Coordinating Board of Higher Education has established a recommended 24-unit high school core curriculum guideline for students who plan to enroll in a Missouri college or university. The CBHE 24 unit high school core curriculum is designed to prepare high school students for access to and success in collegiate-level work. The CBHE 24-unit high school core curriculum is recommended for full implementation beginning with the Missouri high school graduating class of 2010.

CBHE Recommended High School Core Curriculum

English/Language Arts: **4 units** which emphasize college prep composition, research skills, analysis of literature, and other content or comparable or greater rigor (i.e. Language Arts I, Language Arts II, Language Arts III, Language Arts IV, College Credit English).

Mathematics: **3 units** which emphasize college prep Algebra and other content of comparable or greater rigor (i.e. Algebra I, Geometry, Algebra II, College Algebra, and Calculus). Students who complete Algebra I prior to their freshman year would be expected to complete 3 additional units in grades 9-12.

Social Studies: **3 units** which emphasize American History, Missouri Government and Missouri History as required by state statute, Geography/World Civilizations, and other content of comparable or greater rigor.

Science: **3 units** which emphasize college prep biology, chemistry, and other content of comparable or greater rigor. Science coursework should include at least one laboratory science.

Fine Arts: **1 unit** which emphasizes visual arts, instrumental or vocal music, dance, theater, or other component of comparable or greater rigor. Critical analysis, theory, or "appreciation" courses may be included.

Additional Coursework: **3 units** required by the State Board of Education. These include 1 unit in Practical Arts, 1 unit in Physical Education, ½ unit in Health Education, and ½ unit in Personal Finance.

Electives: ***7* units** of which at least 3 should be in foreign language and/or other courses within the high school core content areas. Two units of a single foreign language are strongly recommended.

Keep in mind these are the recommended minimum requirements for admission to public four-year Missouri colleges. The entrance requirements for some colleges may differ from the above requirements so it is important to check the requirements for each college.The Counseling Office has information for Missouri colleges and universities, out-of-state colleges, applications, and financial aid opportunities. In addition, information regarding the ACT and SAT test registration is available through the Counseling Office.

CAREER EDUCATION

Students at Winfield High School have the opportunity to attend Pike-Lincoln Technical Center (PLTC) in Eolia during their junior and/or senior year. Students at PLTC gain knowledge through work experiences. Students who attend PLTC receive instruction through a variety of career fields including:

3D Modeling/Animation

Automotive Collision

Automotive Services

Building Trades

Computer Networking

Digital Design

Health Services

Law Enforcement

Welding

EMT

Fire 1 and 2

Dental Assisting

3D Modeling and Animation

Drone Surveillance

The Pike-Lincoln Technical Center has articulation agreements with Hannibal-LaGrange University for some of their technical programs. Articulation agreements allow students to receive high school and college credit immediately upon completion of courses taken through PLTC.

Application Process

All sophomores will attend a presentation by PLTC staff showing the programs that are available.

Interested students should pick up an application from the WHS Counseling Office.

Applications must be returned to the WHS Counseling Office by the deadline.

Applications are reviewed by WHS counselors. Along with the application, the student's attendance record, grades, discipline record, and teacher evaluations are considered when making a determination of acceptance to PLTC.

NOTE: Students who attend PLTC will receive ½ credit embedded Integrated Math and 3 Practical Arts credits for each year of attendance at PLTC. Students will also have the opportunity to earn 1 credit of Communication Arts through additional independent work their Senior Year.

EDUCATIONAL ALTERNATIVES

Summer School

Summer school is tentatively planned for the month of June. Actual dates will be forthcoming. Courses for credits lost during the regular school year, as well as enrichment courses, will be offered. Enrollment forms and schedules will be available in the Counseling Office in the spring. Students who fail a course during the school year are expected to take that course during summer school.

Credit Recovery

A student may earn credit from successful completion of credit recovery courses. Credit recovery courses are computer-based and students work at their own pace to complete coursework. A variety of courses are available. Students should contact their counselor if they need credit recovery to enable them to graduate with their graduating class.

Correspondence Courses

A student may earn credit from successful completion of an approved correspondence course. Students at Winfield High School have the opportunity to complete correspondence courses through the American School or the University of Missouri-Columbia Center for Independent Study. Prior approval from the principal and counselor is required for students who wish to take a correspondence course. Students and their parents will be required to sign a contract before they will be allowed to take a correspondence course. All correspondence course work must be completed and submitted at least **three (3) weeks prior** to graduation. Students may not walk in graduation until all coursework has been completed and grades have been recorded on a transcript.

Missouri Options - HiSET (High School Equivalency Test)

This program is designed for students who are at least **17 years old** and at least **one year's worth of credits behind** their cohort class. Students must demonstrate the ability to read independently in English at a level sufficient to successfully complete HiSet instruction and testing. A minimum of 15 hours of academic instruction per week will be provided. Students must be enrolled in other school-supervised instructional activities (vocational education or work experience) in order to be considered a full-time student. When students have completed the required coursework, they will be signed up to take the HiSet exam.

Once a HiSet student has passed the final exam and completed all required school and work hours, they will be eligible to receive a diploma.

Part-Time Status & Early Graduation

1. Students must submit an application in the counseling office by November 1. (If November 1 falls on a weekend, applications are due the following Monday.) Due to the fact that the list of applicants must be reviewed and approved by the building principal and the Board of Education members, no applications will be accepted after the deadline.
2. Applicants for early graduation must have completed all WHS credits required for graduation by the end of the 7^{th} semester. Applicants for part-time attendance must be able to complete all required credits. This includes passage of the U.S. and Missouri Constitution Tests, Citizenship Test, CPR, and have taken required EOC tests for all applicants.

A+ School's Program

The primary goal of the A+ Schools Program is to ensure that all students who graduate from Missouri high schools are well prepared to pursue advanced education and employment.

Student Eligibility

Students who graduate from a designated A+ high school may qualify for a state-paid financial incentive to attend any public community college or career/technical school in Missouri if the student successfully meets the following requirements:

Enter into a written agreement.

Attend a designated A+ high school for 2 years prior to graduation.
Graduate with an overall GPA of 2.5 points or higher on a 4-point scale (without weight & honors)
Have an accumulated attendance rate of at least 95% for grades 9-12
Perform 50 hours of district-supervised, unpaid tutoring or mentoring
Maintain a record of good citizenship and avoid drugs and alcohol
Achieve a score of proficient or advanced on the Algebra I, Algebra II or Geometry End-of-Course Exam OR meet the ACT Math guideline.

CAREER CLUSTERS

A Career Cluster is a grouping of occupations and broad industries based on commonalities. The 16 Career Clusters organize academic and occupational knowledge and skills into a coherent course sequence and identify pathways from secondary schools and two- and four-year colleges, graduate schools, and the workplace. Students learn in school about what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses. Counselors will be working with students throughout high school using the Missouri Connections program (www.missouriconnections.org). This program will assist students in determining which Career Cluster best fits the students' interests and skills.

The 16 Career Clusters

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, and other plant and animal products/resources.

Architecture & Construction

Careers in designing, planning, managing, building and maintaining the built environment.

Arts, A/V Technology & Communications

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Business, Management & Administration

Careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Education & Training

Planning, managing and providing education and training services and related learning support services.

Finance

Planning, services for financial and investment planning, banking, insurance, and business financial management.

Government & Public Administration

Executing governmental functions to include Governance, National Security, Foreign Service, Panning, Revenue and Taxation, Regulation and Management and Administration at the local, state, and federal levels

Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Hospitality & Tourism

Encompassing the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services.

Human Services

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

Information Technology

Careers relating to the design, development, support and management of hardware, software, multimedia, and systems integration services.

Law, Public Safety, Corrections & Security

Planning, managing and providing legal public safety, protective services and homeland security, including professional and technical support services.

Manufacturing

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

Marketing, Sales & Service

Planning, managing, and performing marketing activities to reach organizational activities.

Science, Technology, Engineering & Mathematics (STEM)

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.

Transportation, Distribution & Logistics

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

English/Language

4.0 Credits Regular and Honors Diploma

9th Grade Language Arts 1

10th Grade Language Arts 2 Language Arts 2 - Honors

11th Grade Honors American Literature (3.0 GPA required)
Language Arts 3

Creative Writing

12th Grade Language Arts 4 Creative Writing

College Prep English (3.0 GPA Required)

Language Arts 1 Gr Level: 9 Sem: 2 Credit: 1

This class will focus on basic writing skills required for the high school setting. Emphasis will be placed on sentence and paragraph structure and on essay construction. Students will be exposed to fiction writing, expository writing, comparison/contrast composition, oral presentation basics and technology basics pertaining to writing. Students will also study aspects of literature and will include some written analysis of the works studied. Students will study selected short stories, the "Odyssey", and "Romeo and Juliet".

Language Arts 2 Gr Level: 10 Sem: 2 Credit: 1

Prerequisites: Successful completion of Language 1,

Students will be studying selected non-fiction, poetry, short stories, novels, and a play. They will be using these pieces to improve their reading comprehension, analysis of literature, and critical thinking abilities. Students will master their knowledge of figurative language and sound devices.

Students will also improve their research and writing skills as they create and revise various researched writings, including a research paper. This will follow the MLA standards for research techniques.

For grammar, students will master comma usage. Students will also practice capitalization, semicolons, and colons.

Language Arts 2 (Honors) Gr Level: 10 Sem: 2 Credit: 1

Prerequisites: Successful completion of Language 1,

Language Arts 2 Honors *"A" or "B" in 9th gr, reading lexile of at least 1000 and a teacher recommendation.*

Students will be studying selected non-fiction, poetry, short stories, novels, and two plays. They will be using these pieces to improve their reading comprehension, analysis of literature, and critical thinking abilities. Students will master their knowledge of figurative language and sound devices, analogies, and characterization.

Students will also improve their research and writing skills as they create and revise various researched writings, including a research paper. This will follow the MLA standards for research techniques.

For grammar, students will master comma usage. Students will also practice capitalization, semicolons, and colons.

Language Arts 3 Gr Level: 11 Sem: 2 Credit: 1

Prerequisites: Successful completion of Language 2

This class will study several American short stories, poems, and novels as well as how these novels fit into the historical period. The class will focus on reading comprehension and students will demonstrate their abilities in writing in a variety of genres and completing an oral presentation. The class will focus on increasing students' ability to read and decipher, and students will draw and support conclusions about these readings. Writing prompts will focus primarily on literary analysis and persuasion. In addition, students will review grammatical aspects common on the ACT.

Honors American Literature (Honors) Gr Level: 1 Sem: 2 Credit: 1

Prerequisites: Language 2, teacher approval/acceptance – Honors

This class will be a rigorous version of Language Arts 3 and will be offered for three hours of college credit through the University of Missouri – St. Louis. The juniors in this course will be expected to move at a quicker pace and will be required to complete additional, more in-depth projects.

Language Arts 4 Gr Level: 12 Sem: 2 Credit: 1

Prerequisites: Successful completion of Language 3

This course will deal primarily with career writing from researching fields of interests and resumes to mock interviews and demonstrations. This course is designed for the career bound student to enhance employment preparation, communication skills and life management skills. The students will read novels and stories from various genres such as science fiction or mystery. Skills emphasized in this class will include critical thinking, literary analysis, note taking, and composition. Students will also complete daily reading assignments and formulate relevant questions and comments for class discussions.

College Prep English (Honors) Gr Level: 12 Sem: 2 Credit: 1

Prerequisites: Successful completion of Language 3

This course parallels Advanced College Composition in developing students' writing skills in order to prepare them for college level writing. The course focuses on the same types of writing, but spends more time focusing on organization and the basics of writing so students are better prepared for the more demanding composition courses they will take in college. Vocabulary, grammar skills, and reading comprehension will also be a focus. During the second semester, students will also study classical British literature such as "Beowulf", Homer's "The Iliad", Mary Shelley's "Frankenstein," Chaucer's "The Canterbury Tales, Shakespeare's "MacBeth", as well as other British drama, poetry, and short stories.

Creative Writing Gr Level: 11 or 12 Sem: 1 Credit: .5

Prerequisites: Successful completion of Language 2

This course will focus on expressive writing in many different forms. Students will have the opportunity to explore several different types of poetry, as well as responding to literature, art mediums, quotes, and music. Originality and writing that shows thought will be emphasized. Students in Creative Writing will write poems, short stories, plays, news stories, comic strips, children's books, an autobiography and other types of writing that express creativity. Students will also study writing samples from professional writers as well as student writers to guide student progress.

Mathematics

3.0 Credits - General Diploma / 4.0 Credits - Honors Diploma

9th Grade	Algebra 1	Geometry
10th Grade	Geometry	Geometry Honors, Algebra 2 /Advanced Algebra 2 (H)
11th Grade	Algebra 2/ Adv .Algebra 2 (H)	+1 additional cr for Regular Diploma +2 additional cr for Honors Diploma
12th Grade		+1 additional cr for Regular Diploma

Additional Math Classes: Consumer Math, **Pre-Calculus**, **Calculus (H), College Algebra (H)**

Algebra 1A Gr Level: 9 Sem: 2 Credit: 1

Algebra 1A is a course that covers the first half of Algebra 1 and introduces basic algebraic skills through the use and application of expressions, linear equations, inequalities, and graphing. It provides the foundation for all subsequent mathematics courses. The topics in this course will allow students to recognize and develop patterns as well as improve problem solving techniques.

Algebra 1B Gr Level: 9-10 Sem: 2 Credit: 1

Algebra 1B is a course, covering the second half of Algebra 1, that strengthens and continues to introduce basic algebraic skills through the use and application of expressions, linear equations, inequalities, exponents, polynomials, graphing, and factoring and provides the foundation for all subsequent mathematics courses. The topics in this course will allow students to recognize and develop patterns as well as improve problem solving techniques.

Algebra 1 Gr Level: 9 Sem: 2 Credit: 1

Algebra 1 is a required course that introduces basic algebraic skills through the use and application of expressions, linear equations, inequalities, exponents, polynomials, graphing, and factoring and provides the foundation for all subsequent mathematics courses. The topics in this course will allow students to recognize and develop patterns as well as improve problem solving techniques.

Geometry Gr Level: 9-12 Sem: 2 Credit: 1

*Prerequisites: Algebra I **

Students will engage in an in depth study of geometric reasoning, coordinate geometry, parallel and perpendicular lines, triangle congruence, properties of polygons and circles, similarity, right triangle trigonometry, area, and volume. Students will apply this learning to solve real-world mathematical problems.

Geometry (Honors) Gr Level: 10-12 Sem: 2 Credit: 1

Prerequisites: Algebra 1 with a grade of A or B and math teacher recommendation

Students will engage in an in depth study of geometric reasoning, coordinate geometry, parallel and perpendicular lines, triangle congruence, properties of polygons and circles, similarity, right triangle trigonometry, area, and volume. Students will apply this learning to solve real-world mathematical problems. Topics are the same as Geometry, but include some additional topics. Honors Geometry is heavily Algebra based and requires mastery of Algebra 1. In addition, several lessons include extra challenging problems as well as extensions and applications. Mastery of all topics is required to be successful in this course.

Algebra 2 Gr Level: 10-12 Sem: 2 Credit: 1

Prerequisites: Geometry (or concurrent enrollment)

This course is the theoretical study of all functions and their families, which include Linear, Absolute Value, Quadratic, Polynomial, Rational, Exponential, Logarithmic, and Radical Functions. We will also study Probability & Statistics if time permits. While each of these functions is different, our analyses of these functions are similar from unit to unit.

(1) Graphing & Transformations
(2) Simplifying of Expressions with all Operations
(3) Solving of Equations
(4) Analyses of (1), (2), and (3) and their relationship to each other.
(5) Applications & Technology (Computers & Graphing Calculators)

Advanced Algebra 2 (Honors) Gr Level: 10-12 Sem: 2 Credit: 1

Prerequisites: Geometry grade and math teacher recommendation

This course is the theoretical study of all functions and their families, which include Linear, Absolute Value, Quadratic, Polynomial, Rational, Exponential, Logarithmic, and Radical Functions. We will also study Probability & Statistics if time permits. While each of these functions is different, our analyses of these functions are similar from unit to unit.

(1) Graphing & Transformations
(2) Simplifying of Expressions with all Operations
(3) Solving of Equations
(4) Analyses of (1), (2), and (3) and their relationship to each other.

(5) Applications & Technology (Computers & Graphing Calculators)

Topics are the same as Algebra 2, but include some additional topics. In addition, several lessons include extra challenging problems as well as extensions and applications. Mastery of all topics is required to be successful in this course.

Consumer Math Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Algebra 1, Geometry and Math teacher recommendation

This course should not be taken after successful completion of Algebra 2, PreCalculus, or College Algebra

This course will look primarily at ways that mathematics can help us to grow our money. We will look at various career fields and how math can affect those career fields. We will also look at how math affects finances. Percentages can affect our finances positively or negatively so we will dive into both cases. We will also look at statistical analysis and apply those concepts to personal finances. The idea behind this class is to send students into the real world with math they can use.

College Algebra (Dual Credit/Honors) Gr Level: 11-12 Sem: 2 Credit: 1 *Prerequisites: Algebra 2* ***(There will be a separate class for Dual Credit)***

This course is a detailed study of functions and their graphs.

Topics covered include matrices, linear, quadratic and advanced equations, inequalities, polynomial, rational, exponential and logarithmic functions, conics, and systems of equations.

Pre-Calculus (Honors) Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Algebra 2 or Advanced Algebra 2 and approval of teacher

This is a detailed study of various algebraic and trigonometric functions and their graphs, which prepares a student for the study of calculus. The major areas of study are linear, quadratic, polynomial, and rational functions, exponential and logarithmic functions, inverse and composite functions, the trigonometric functions, solutions of triangles, trigonometric equations, and systems of equations. Vectors, polar coordinate systems, matrices and proof are additional topics of study. A graphing calculator is used extensively in this course.

Calculus (Dual Credit/Honors) Gr Level: 11-12 Sem: 2 Credit: 1 *Prerequisites: Pre-Calculus*

Calculus is the study of limits, differentiation, and integration of basic algebraic and trigonometric functions. Appropriate applications (max/min, area, volume and lengths of curves) are included. A graphing calculator is used extensively in this course.

Science

3.0 Credits - General Diploma / 4.0 Credits - Honors Diploma

If a student takes "3" Agriculture classes it can count for a 3rd Science credit.

9th Grade	Physical Science	
10th Grade	Biology	Biology Honors
11th Grade	+1 additional	+2 additional Honors
	General Diploma	Honors Diploma

12th Grade +1 additional Honors / Honors Diploma

Additional Science Classes: Anatomy/Physiology (H), Chemistry, **Chemistry (H), Forensic Science (H),** Earth Science, **Marine Biology**

Physical Science Gr Level: 9 Sem: 2 Credit: 1

Prerequisites: None

Students are required to pass two semesters of Physical Science. This course will study matter, energy, the Physical laws of science and other basic Chemistry and Physics concepts. Students are expected to use basic algebra skills , participate in labs and learning activities and make presentations to their peers. Safety glasses and a calculator are required.

Biology Gr Level: 10 Sem: 2 Credit: 1

Prerequisites: Physical Science

The purpose of High School biology is to help students develop a foundation in biology that focuses on Scientific Inquiry, Biochemistry, and Energy in Living Systems, Ecology, Cell Biology, Genetics and Natural Selection. This will help the students become scientifically literate citizens.

Biology (Honors) Gr Level: 10 Sem: 2 Credit: 1

Prerequisites: Physical Science

Honors Biology is the study of living things and their environment. Lab Experiments are an integral part of this course. This course will emphasize critical thinking as well as advanced reading, writing, and problem solving skills. This class will provide a foundation for advanced science courses. This class requires a high degree of independent initiative.

Anatomy/Physiology (Honors) Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: "C" or better in Biology (Chemistry rec)

This course will emphasize the chemical basis of life, cellular metabolism, tissues, cells and the following systems: integumentary, skeletal, muscular, nervous, endocrine, digestive, respiratory, circulatory, urinary and reproductive. Students will be expected to dissect different specimens. Required components are: memorizing terms and concepts. Safety glasses and gloves are needed for dissections.

Chemistry Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Physical Science and Biology

This is a basic course that develops a working knowledge of the basic chemistry concepts and quantitative chemical relationships. Atomic structure, chemical bonding, naming of compounds, properties of gases, liquids, and solids, acid-base, chemistry oxidation-reduction reactions, periodicity and the relationship of chemistry to our daily lives will be emphasized. Students will need a scientific calculator and safety glasses for this class.

Chemistry I (Honors/Dual Credit) Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Biology & grade of "C" or better in Physical Science

Geared for the college-bound or vo-tech student planning a chemistry-related career, this course develops a working knowledge of the basic chemistry concepts and quantitative chemical relationships. Atomic structure, chemical bonding, naming of compounds, properties of gases, liquids and solids, acid-base, chemistry oxidation-reduction reactions, periodicity, and the relationship of chemistry to our daily lives will be emphasized. Students will need a scientific calculator, chemical resistant gloves(Nitrile), and safety glasses for this class.

Forensic Science (Honors) Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Physical Science and Biology and Chemistry (or co-enrolled in Chemistry)

Forensic Science is the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. It has become a comprehensive subject incorporating Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology as well as other aspects of Science. Major topics include processing a crime scene, collecting and

preserving evidence, hair, fibers, paint, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis. Students will learn about the careers involved with Forensic Science and will play mock roles as experts in the field to solve crimes as they learn teamwork in solving problems. The students will be given the tools to interpret data and techniques involved for both chemical and biological analysis of evidence. The main focus of this course will be to emphasize the evidential value of a crime scene and related evidence and the services of what has become known as the crime laboratory.

Earth Science Gr Level: 11-12 Sem: 2 Credit: 1 (Offered every other year) (this school year)

P*rerequisites: Physical Science and Biology*

This is a year-long class offered to students in which a variety of Life and Earth science topics will be covered. The first semester includes hydrology, oceanography, geology, plate tectonics, seismology, volcanism, and meteorology. Projects and assessments are emphasized along with hands-on activities and making real-world connections. The second semester focuses on topics including the scientific method, astronomy, structure of the Earth, Earth's systems, and historical geology. Students are expected to use basic math and English skills to complete activities. A journal, scientific calculator, and a google account for submitting assignments are required for this class (provided through school).

Environmental Science Gr Level: 11-12 Sem: 2 Credit: 1 (Offered every other year) (next school year)

Marine Biology (Honors) Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Physical Science & Biology

This course is designed for students with an interest in marine biology and oceanography. Major concepts include the study of: the interrelationship of marine and terrestrial environments, the geology of the oceans, marine organisms, and the ecology of coral reefs. Students will learn about the physical structure and chemistry of the ocean, the diversity of ocean life, marine ecology, and the scope and impact of human interactions with the oceans. Laboratory activities reinforce concepts and principles presented. Laboratory activities, including the examination/dissection of marine specimens are utilized throughout this course to build upon student knowledge.

Social Studies

3.0 Credits - General Diploma/4.0 Credits-Honors Diploma

9th Grade World History

10th Grade American History American History (Honors)

11th Grade American Government

12th Grade + 1 additional credit for Honors Diploma

Additional History Classes: Contemporary Issues (Honors), Psychology (1/2 credit), Sociology (1/2 credit)

The World Wars (Honors ½ credit), 20th Century Conflicts (Honors ½ credit)

World History Gr Level: 9 Sem: 2 Credit: 1

Prerequisites: none

This course traces the development of world history from the Reformation to the Twentieth Century by concentrating on specific periods, persons, and events of significant value to western development. The course includes comparisons of past and present events as well as comparisons of western and non-western development so students will have an understanding of the political, social, geographic and economic status of the world today.

American History Gr Level: 10-12 Sem: 2 Credit: 1

Prerequisites: World History

This course explores the Reconstruction Era (following the Civil War) to the post-World War II era in American History. The course describes the role of the United States in world affairs as well as the evolution of domestic policies over time. Emphasis is placed upon influential people, events and policies carried out by the United States Government. The class will also discuss how the American Government, economy, and society changed over time. Geography is included, with focus on North America and the Western Hemisphere.

American History (Honors) Gr Level: 10 Sem: 2 Credit: 1

Prerequisites: World History and Teacher Recommendation

This is an Honors Level course designed for sophomores who would like to experience a more challenging version of American History. It covers the same content (see above) as the non-honors class, but is designed to help prepare students for college. As such, it is a more rigorous course than the standard American History class, and it could require more homework, writing, quarter- long projects, as well as researching and participating in class discussions than the non-honors option for the American History credit.

American Government Gr Level: 11 Sem: 2 Credit: 1

Prerequisites: World History and American History

This course covers the American Constitution and its effects on the structure of our nation. Emphasis is placed upon citizenship, government structures, elections and the political process in our democracy. The course will prepare students to meet the legal requirements of 170.11 RSMo, which states that all students must pass a comprehensive examination over both the United States and Missouri Constitutions in order to graduate from high school. Students will also be required to pass the Citizenship Exam.

American Government (Honors) Gr Level:11 Sem: 2 Credit: 1

Prerequisites: World History, American History & Teacher Recommendation

This course covers the American Constitution and its effects on the structure of our nation. Emphasis is placed upon citizenship, government structures, elections and the political process in our democracy. The course will prepare students to meet the legal requirements of 170.11 RSMo, which states that all students must pass a comprehensive examination over both the United States and Missouri Constitutions in order to graduate from high school. Additionally this class will cover an in depth analysis of the political spectrum, comparative government, and historical background of our government processes. Participation in the discussions is a key component of this course. Also there will be one extra project a semester for this course in comparison to the normal government classes.

Psychology Gr Level 11-12 Sem: 1 Credit: .5

Prerequisites: Two years of Social Studies

Psychology is an honors course that will introduce students to the systematic and scientific study of human behavior and mental processes. While considering psychologists and studies that have shaped the field, students will explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students will apply the scientific method to psychological research methods, evaluate claims and evidence, and effectively communicate ideas**.**

Sociology Gr Level 11-12 Sem: 1 Credit: .5

Prerequisites: Two years of Social Studies

Sociology is an honors course in which students will gain an understanding of important sociological concepts such as culture, socialization, status, role and group dynamics. Students will discover how humans interact within and between groups and groupings, and how to employ the tools and techniques of sociology through the use of audiovisuals, group discussions, and simulations designed to investigate and analyze human relationships.

The World Wars/20th Century Conflict (Honors) Gr Level 11-12 Sem: 2 Credit: 1

Prerequisites: World History, American History & American Government (Can be taken simultaneously)

Students can take one or both semesters

This honors-level course offers an in-depth study of both The World Wars and their consequences, examining the causes, key events, and lasting effects of these global conflicts. Students will explore military strategy, political decisions, and the social and cultural impacts of the wars. Emphasis will be placed on analyzing primary sources, understanding the global interconnectedness of these wars, and developing critical thinking through discussions, essays, and research projects. This course is designed for students with a strong interest in history and the ability to engage with complex topics in a challenging academic environment. First semester was cover World War I and World War II, Second semester will cover world conflicts and consequences post 1945

Contemporary Issues(Honors) Gr Level 11-12 Sem: 2 Credit 1

Prerequisites: Teacher recommendation, World History, American History & American Government (Can be taken Simultaneously)
Students can take one or both semesters.

Students will use inquiry skills to examine the issues that impact the contemporary world. Students will analyze the historical, cultural, economic, and geographic factors that have elevated certain issues to levels of concern in the United States and around the globe. Students will engage in research and problem solving in order to better understand and assess significant current issues.

Physical Education

1 credit of PE

Physical Education 1 Gr Level 9-12 Sem: 1 Credit: .5

Prerequisites: None

This course is designed to provide students with the knowledge and skills needed to engage in a physically active and healthy lifestyle. Emphasis will be placed upon three areas: health-related fitness, lifetime physical activity and health and wellness concepts and skills. Students will participate in the Presidential Fitness Test.

Weightlifting/Fitness Training Gr Level 9-12 Sem: 1 Credit: .5

Prerequisites: Incoming freshmen must pass intro to pe before taking this course; Due to limited space, safety issues and proper technique students must seriously consider the discipline required to be successful in this class.

This course is designed to help student/athletes understand the basic principles and techniques of weightlifting. The goal of the class is to increase overall body strength, along with providing flexibility, improved cardiovascular abilities and knowledge of the

muscular system.

Cardiovascular Fitness Gr Level 10-12 Sem: 1 Credit: .5

Prerequisites: Intro to PE or Athletic Physical Ed

Cardio PE will be a walking/jogging class. The course will combine low intensity walking with higher impact running. Pedometers will be used to track each student's gains and distances they have achieved on a daily and weekly basis. The goal of the class will be to increase the cardiovascular abilities of each student.

Female Fitness Gr Level 10-12 Sem: 1 Credit: .5

Prerequisites: Introduction to Physical Education

Female PE/Personal Fitness provides a variety of personal assessments used to develop a students' understanding in regards to the importance of overall fitness. This will be accomplished through aerobics training and personal exercise that includes zumba, P90X, Insanity conditioning activities, cardiovascular walking and resistance training.

Physical Education 2 Gr Level 10-12 Sem: 1 Credit: .5

Prerequisites: Introduction to Physical Education This course emphasizes advanced team concepts, strategies and play. The course includes: softball, flag football, fleetball, soccer, team handball, volleyball and basketball. This course will be coed.

Health

1/2 credit of Health

Health 1 Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: None

This course provides current facts in six areas of health: mental health, family and social health, growth and development, substance abuse, personal health and disease and disorders. This course helps students examine their lifestyles, select goals and make plans to achieve and maintain optimum wellness individually and in relationships. This involves choosing behaviors that help prevent illness and accidents, promote health for one's self and others and improve the quality of their environment.

Agriculture Education

If a student takes "3" Agriculture classes it can count for a 3rd Science cr.

All students in Agricultural classes should join The National FFA Organization. This program will help expand the knowledge of students in all aspects of modern agriculture. The cost is a once a year fee of $20.00.

Agricultural Science 1 Gr Level 9-12 Sem: 2 Credit: 1

Prerequisites: None

This course is designed for instruction in animal science, career exploration, leadership and personal development, introduction to agribusiness, and supervised agricultural experience (SAE). Animal science units include: beef production, swine production, sheep production, poultry production, specialty animal production, animal products, and equine science. In addition, FFA and SEA will be taught throughout the semester. A successful agricultural education program relies on all three parts, which are classroom/laboratory, FFA, and SAE. All students will be expected to keep a financial record book throughout the course. All students will be required to develop an SAE project.

Agricultural Science 2 Gr Level 10-12 Sem: 2 Credit: 1

Prerequisites: Agricultural Science 1

This course is designed for instruction in careers and personal development, leadership and FFA, analyzing an SAE program, plant science, soil science, crop science, meat science, entomology, parliamentary procedure, and dairy cattle/dairy industry. In addition, FFA and SAE will be taught throughout the semester. A successful agricultural education program relies on all three parts, which are classroom/laboratory, FFA, and SAE. All students will be expected to keep a financial record book throughout the course. All students will be required to have/develop an SAE project.

Greenhouse Operation/Management Gr Level 11-12 Sem: 2 Credit: 1

Prerequisites: Agriculture Science 1 and 2

This course develops a basic understanding of Greenhouse techniques and horticulture. The production of greenhouse crops will be used to demonstrate knowledge learned in this course. Students will be expected to spend at least, but not limited to, half of their instructional time in the greenhouse. All students will be expected to keep a financial record book throughout the course. All students will be required to have an SAE project.

Veterinary Science Honors Gr Level 11-12 Sem: 2 Credit: 1

Prerequisites: Agriculture Science 1 and 2 (Offered every other year)

This course will discuss topics such as common terminology in the veterinary science field, animal body systems, the anatomy and physiology of livestock and companion animals, common health problems with livestock and companion animals, and the daily routine of a veterinarian. All students will be expected to keep a financial record book throughout the course. All students will be required to have an SAE project.

Wildlife Management Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Agricultural Science 1 and 2

This course examines conservation practices, their importance, and basic ecology. In addition, the course will cover hunting seasons and wildlife species identification in Missouri and the United States. All students will be expected to keep a financial record book throughout the course. All students will be required to have an SAE project.

Agricultural Construction 1 Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Agricultural Science 1 and 2

This course provides an opportunity for hands-on learning in the agriculture construction shop. They will learn the safety of woodworking tools and gain valuable skills in using them. They will create advanced wood projects by drafting, construction, and finishing the project. All students will be expected to keep a financial record book throughout the course. All students will be required to have an SAE project.

Agricultural Construction 2 Gr Level: 12 Sem: 2 Credit: 1

Prerequisites: Agriculture Science 1 and 2, and Agricultural Construction 1 with approval from instructor

This course provides an opportunity for advanced use of shop tools to construct projects with skills acquired in Agricultural Construction 1. While practicing safety, students will use their woodworking tools and gain valuable skills in using them. They will create advanced wood projects by drafting, constructing, and finishing the project. All students will be expected to keep a financial record book throughout the course. All students will be required to have an SAE project.

Horticulture Honors Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: Agricultural Science 1 and 2 (Offered every other year)

This course covers advanced plant science concepts and growing techniques through looking at the following topics (units) in-depth: Advanced Plant Science, Landscape Design, Crop Science, Floristry, Turfgrass Management, Fruit and Vegetable Production, and Forest Management. Students may be expected to perform hands-on labs and may also be expected to work in

the greenhouse during certain lessons. All students will be expected to keep a financial record book throughout the course. All students will be required to have an SAE project.

Small Gas Engines 1 Gr Level: 11-12 SEM: 2 Credit: 1

Prerequisites: Agricultural Science 1 and 2

Small Gas Engines 1 - is an introductory course on the four stroke cycle, single cylinder engine.
The student must tear down a four stroke engine, inspect, repair,
reassemble, trouble shoot, and try to get the engine running. Students will also have the opportunity to repair and work on small engines as projects. Completion of this course will equip the student with the knowledge and experience to be an educated consumer. All students will be expected to keep a financial record
book throughout the course. All students will be required to have an SAE project.

Technology

1 credit of Technology

Computer Applications Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: None

A comprehensive study of personal computer concepts and components such as hardware, software, file management, and Internet technology. Students will examine uses of computer-based technologies, including effective uses of computer based technologies, including effective uses of the web and database resources, and will demonstrate proficiency in the use of computer based systems that will facilitate data and information management. Microsoft Office Suite will be used as a basis for software.

Digital Design Gr Level:10-12 Sem :2 Credit:1

In this course, you will learn the basic principles of design, the tools needed to succeed in the industry and how to design objects for specific purposes and audiences. Student designers learn how to manipulate images, create logos, and design layouts for websites, advertisements, and more.

Introduction to Broadcast Journalism Gr Level 10-12 Sem: 2 Credit: 1

This course is designed to build on the knowledge, understanding, and practical experience of gathering, writing and producing news for broadcast media. Theory and hands-on activities include: camera video taping techniques, teleprompting, script writing and editing; videotape editing, and creating news packages. Students will be exposed to operation of a broadcast newsroom, ethics in broadcast journalism, interviewing techniques and media criticism. Students will work in teams, participating in a series of projects, which showcases their reporting, editing and production skills for broadcast media. A key goal of this course is for students to create broadcast news shows that are viewed by the student body.

Business

Introduction to Business Gr Level 10-12 Sem: 2 Credit: 1

This course provides opportunities to learn and experience a variety of topics in the field of business. Students are exposed to various economies, their roles in our economy, entrepreneurship, marketing, managing financial and technological resources, and the use of social media.

Business Management-Sports Gr Level 11-12 Sem: 1 Credit: .5

Prerequisites: none

This introductory course emphasizes basic management principles as they relate to the sports-related enterprises. A variety of marketing techniques and approaches are analyzed to broaden students' background in this area and to better allow them to develop effective and comprehensive sports marketing plans.

Marketing 1 Gr Level 11-12 Sem: 2 Credit: 1

Prerequisites:

Marketing 1 is a one-year course that introduces various concepts of marketing and business management. Instruction includes introductory topics in the marketing functions of selling promotion, advertisement, pricing and human relations. Employment preparation and advancement is also discussed in order to help students plan for a future in Marketing.

Personal Finance Gr Level: 10-12 Sem: 1 Credit: .5

Prerequisites: Required course for all Juniors and for graduation.

This course is designed to help students make better decisions as workers and citizens in our free enterprise system. Topics include basic check booking, household budgeting, choosing a career, investments and insurance, preparing for work, and learning to file taxes.

Family and Consumer Science

Child Development 1 Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: None

This course prepares the student to work with children. The first units of study include examining families and parenting styles, prenatal development, labor, birth, delivery. Students will also learn about a child's growth and development during the newborn, infancy, toddler and preschool stages.

Food & Nutrition 1 Gr: 9-12 Sem: 1 Credit: .5

Prerequisites: none

During this course students will study nutrients, the New Good Guide, food choices, meal planning and food safety. Students will be required to participate in labs as well as family projects at home. All students will taste 1 teaspoon minimum requirement of each item prepared.

Culinary Gr: 10-12 Sem: 2 Credit: 1

Prerequisites: Food & Nutrition 1

This course emphasizes culinary and management techniques necessary for a successful career in food service industry. Topics include the restaurant and food service industry, food and kitchen safety, various cooking techniques, management skills and building a career in the food service industry. This course requires hands-on experiences in and out of the classroom within the food service industry.

Art

Art Appreciation Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: None

Art Appreciation is recommended as a first art course to fulfill the prerequisite of subsequent art courses.
This course focuses on critical analysis using artwork. The visual strategies and analysis focused on during this course will assist the students communication and thought in other areas. Students will gain a basic overview of art history, aesthetics, art elements, principles of design and some hands-on activities which correlate with information being covered. This uses the textbook titled "Art matters". The final is a cumulative test worth 10% of the semester grade.

Introduction to Art Media 1 Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: none

This course is an introductory course designed to allow students the opportunity to experiment with various types of art media. Students will utilize both wet and dry6 media in drawing, design, painting and mixed media. The course will cover the elements and principles of composing artwork. The final exam is a cumulative written test worth 15% of the semester grade.

Introduction to Art Media 2 Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: Introduction to Art Media 1

This course is an introductory course designed to allow students the opportunity to experiment with various types of art media. Students will utilize both wet and dry media in drawing, design, painting and mixed media. Students will also focus more on creating 3D sculptures. The course will cover the elements and principles of composing artwork. The final exam is a cumulative written test worth 15% of the semester grade.

Drawing & Painting 1 Gr Level: 10-12 Sem: 1 Credit: .5

Prerequisites: 1 Art credit (2 semesters) Beginning Drawing & Painting

This course is a continuation of Introduction to Art. More challenging techniques that focus on drawing and painting will be taught and students will be encouraged to be more creative in their compositions. Students will learn new drawing and painting mediums and will create large scale projects using either medium.. A cumulative semester portfolio will be a weighted assignment and the final exam will be a written test worth 10% of the semester grade.

Drawing & Painting 2 Gr Level: 10-12 Sem: 1 Credit: .5

Prerequisites: Beginning Drawing & Painting 1

This course is a continuation of Drawing & Painting 1. More challenging techniques that focus on drawing and painting will be taught and students will be encouraged to be more creative in their compositions. Students will learn printmaking, new drawing mediums and oil painting mediums. At the end of the semester, students will create a series of 3 different artworks of their choosing using the practices and methods taught in Drawing & Painting 1 & 2. A cumulative semester portfolio will be a weighted assignment and the final exam will be a written test worth 10% of the semester grade.

Ceramics 1 Gr Level: 10-12 Sem: 1 Credit: .5

Prerequisites: 1 Art credit (2 semesters)

This course will focus on beginning clay-work. Students will learn basic clay building methods, such as coiling, slab and modeling. Emphasis will be placed upon shape and form. Students are expected to learn and practice all hand building and glazing instructions. The final exam is a written test worth 10% of the semester grade.

Ceramics 2 Gr Level: 10-12 Sem: 1 Credit: .5

Prerequisites: Ceramics 1

This course is a continuation of Ceramics 1. Students will be assigned more challenging hand building projects with the addition of throwing on the wheel. The final exam is a written test worth 10% of the semester grade.

Honors Art Gr Level: 11-12 Sem: 2 Credit: 1

Prerequisites: 2 Art credits (4 semesters)

This course is designed for those students wishing to pursue art in college. Students will build a strong portfolio with an emphasis on matting, presentation and critique. Students will prepare a formal artist statement and digital portfolio for college submission.

Music

Advanced Guitar Gr Level: 10-12 Sem: 1 Credit: .5 *Prerequisites: Beginning Guitar*

A continuation from the beginning guitar class which will focus on developing the students' understanding of chords, harmony, scales, and fundamentals. Community group performances will be a part of this course. Various guitarists will be studied both factually and aurally

Beginning Guitar Gr Level: 9-12 Sem: 1 Credit: .5

Prerequisites: None

This class introduces students to beginning guitar technique. Students will learn how to read simple guitar chords and tablature, as well as learning basic fretting and picking technique. Grades will be determined primarily by performance in class and ability to perform simple songs on guitar.

High School Band Gr Level: 9-12 Sem: 2 Credit: 1

Prerequisites: Middle school band or visit with the director

This class is for students who want to be in a very challenging and demanding ensemble. Student grades on marching band will be based on rehearsals and performances that start in the beginning of the school year and last until early November. Band Camp will be held during the summer and needs to be attended. The Marching Band will perform at home football games and selected marching competitions. Concert Band will start at the completion of marching season. Students will perform a minimum of three performances: December Holiday Concert, MSHSAA Music Contest and a Spring Concert. Participation and performance points will be the biggest part of a student's grade. Color guard students must be enrolled in band first semester and receive ½ a credit unless they play an instrument and stay in band for the full year.

Beginning Piano Gr Level: 9-12 Sem: 2 Credit: 1

Prerequisites: None

This course is designed for students who have little or no previous training on the piano. Students will learn basic music theory; including notation, rhythm and terminology as it pertains to the piano. Students will also learn keyboarding techniques, such as five finger positioning, location of notes, etc. The knowledge of both these subjects will then be applied to playing simple melodies and accompaniments. Some study will also be dedicated to music history as it relates to famous pianists and piano works. Major classroom projects will include composing an original song, a composer project and participation in two piano recitals.

Concert Chorale Gr Level: 9-12 Sem: 2 Credit: 1

Prerequisites: Audition and instructor approval

This auditioned ensemble demands a high level of musicianship and performance ability. Members will learn a variety of SAB and SATB literature in both classical and popular styles. It will also continue the teaching of music skills such as music reading, sight singing, performance practices and vocal anatomy and care. The choir will perform at least two concerts per semester, in addition to a district contest in the spring. A portion of the student's grade will be determined by participation in extra-curricular performances.

Winfield Warrior Singers Gr Level: 9-12 Sem: 2 Credit: 1

Prerequisites: None

This mixed-voice ensemble is designed for the beginning musician. No previous vocal training or audition is required. Members will learn a variety of two and three part vocal music literature in both classical and popular styles. Students will learn basic music theory, sight singing, and vocal production skills. The choir will perform at least one concert per semester. A portion of the student's grade will be determined by participation in extra-curricular performances.

Electives - Foreign Language

Honor Students - 2 credits Foreign Language required

French 1 Gr Level: 9-12 Sem: 2 Credit: 1

Prerequisites: None

Students will be introduced to listening, speaking, reading and writing French Students learn vocabulary grammar and listening skills and gain a better understanding of language. During French 1 students will learn how to conjugate verbs, write sentences, and have short discussions. They will also be introduced to cultures of other countries that speak French and gain appreciation for their differences and similarities.

French 2 Gr Level: 10-12 Sem: 2 Credit: 1

Prerequisites: Spanish 1

Students continue to improve their listening, speaking, reading and written skills as they learn more about the French language and associated cultures. More vocabulary is added, as well as new grammar exploring more verb tenses and new phrases and word orders. Students will be able to start writing short paragraphs in French.

Electives - General

A+ Tutoring Gr Level: 12 Sem: 1 Credit: .5

Prerequisites: Must meet A+ Tutoring Requirements

Students will be assigned to assist primary, elementary, or middle school teachers by tutoring younger students in their classes. This course will count toward the 50 hours of tutoring required to qualify as an A+ student upon graduation from high school. In order to participate in A+ Tutoring, students must have met the following minimum requirements: 2.5 GPA, 95% attendance rate, good citizenship record and submitted A+ participation agreement. For more information on A+ Tutoring, see the A+ Student Manual. (1 semester only)

Advisory Gr Level: 9-12 Sem: 2 Credit: .250

Prerequisites: None

In the student advisory program, each student in the school is assigned a teacher or staff member who assists the student in achieving his or her academic and personal goals. Advisory usually includes guidance lessons, DEAR time and one-to-one advice to address academic goals.

Mass Media Gr Level: 11-12 Sem: 2 Credit: 1

Preferred Prerequisites: Computer projects, Art Appreciation, teacher recommendations and Instructor Approval

Mass Media is designed to provide students with journalism skills and the ability to apply those skills to the actual production of the yearbook through the use of an online computer program. Units of study include coverage, concept, thematic development, production, section development, reporting and writing, headlines, photos and captions, editing/revising, design, graphics, advertising and money matters. This course is a collaborative effort and grading will depend on completion of publication deadlines.

Student Aide Gr Level: 12 Sem: 1 Credit: .5

Prerequisites: Approval by the Teacher, Counselor and Principal

This course is for students to assist a classroom teacher with any assigned tasks. Activities might include duplicating materials, recording attendance, typing papers, or filing materials. (1 semester only)

Pike Lincoln Technical Center

342 VoTech Road, Eolia, MO 63344

Winfield R-IV students have the opportunity to attend the technical center located in Eolia, MO. All programs are based on a 2 year plan of study.

Auto Collision Gr Level: 11-12 Sem: 2 Credit: 3

Prerequisites: None

Auto Collision course is designed to prepare you for an entry-level position in the Auto Body field. Much time is spent on surface preparation and painting. Paint mixing and tinting is also included. An Auto Collision Technician repairs and refinishes vehicle bodies, removes dents, and replaces crumpled parts, tightens brackets and loose bolts, makes other minor repairs and installs custom equipment.

Automotive Services Tech Gr Level: 11-12 Sem: 2 Credit: 3

Prerequisites: None

This highly-technical program is designed to prepare you with an extensive knowledge of automotive parts and their application, and entry into mechanically-related occupations. In addition to training in shop skills, written and oral communications, internal services, and administrative procedures, you will learn how to operate various shop machines including the electronic analyzers, precision measuring devices, brake lathe, wheel alignment equipment, hydraulic press, and hand tools.

Building Trades Gr Level: 11-12 Sem: 2 Credit: 3

Prerequisites: None

Building trades is a field that involves construction of commercial and residential building. People taking this class may be interested in designing, architecture, carpentry, plumbing, or electrical. Building Trades is designed to prepare you for either entry-level employment in the construction field or to continue your education. You will learn the basic skills and terminology of the construction field in the areas of carpentry, plumbing, electrical, exterior finishing, drywall, interior and exterior trim, roofing, bidding and estimating, and blueprint reading. The course will allow you to plan, layout, and build complete residential house in

one school year. You will have the hands-on experience of building plus the personal satisfaction from seeing people move into the house you helped build.

Computer & Networking Tech **Gr Level: 11-12 Sem: 2 Credit: 3**

Prerequisites: None

The Computer & Networking Technology program gives students the opportunity to study computer hardware, operating system software, and networking technologies.

Students will learn how to install , troubleshoot and perform repairs on computer hardware, software, and peripheral equipment during the first year of the course and master the competencies necessary for an entry level PC support technician.

Dental Assisting:

This class will cover basic oral health and dental anatomy, plus learn to understand tools needed by dentists to work on a patient. Other skills covered will include patient care, recordkeeping, and customer service. This class will focus primarily on Missouri State Dental Assisting credentials; as it varies from state to state.

Diesel Tech

Diesel Technology is a two-year, highly technical program designed to prepare students to use critical thinking skills to explore basic diesel technology. Students will apply these skills in the service and maintenance of medium- and heavy-duty trucks and other diesel-powered equipment including farm and construction equipment. Students will learn how to operate various equipment including electronic diagnostic analyzers, precision measuring devices, hydraulic presses and cranes.

Drone Surveillance: (1-year course)

This class provides comprehensive training on the operation and application of unmanned aerial vehicles (UAVs) for surveillance purposes. This class will cover the technical aspects of drone flight, legal regulations, safety protocols, data analysis, and ethical considerations involved in utilizing drones to monitor and gather information in various environments. The primary focus will be on the application of how UAVs play a new and exciting role in our workforce today!

Digital Design Gr Level: 11-12 Sem: 2 Credit: 3

Prerequisites: None

Digital Design is a one- or two-year program designed to offer training in the areas of desktop publishing, web page design, and digital video. The course is designed to teach the elements of design, which will allow students to create marketing/advertising materials, such as brochures, flyers, booklets, etc. Students will also create web pages and digital videos.

Fire Fighter 1 & 2 (1-year course taught every other year in cohort with EMT) PLTC's

fire service training program is designed to provide an engaging learning experience for entry-level firefighters who seek certification at the Firefighter I and II level. The goal of this course is to give those firefighters a broader and deeper understanding of the material that's not possible in entry-level training programs that have NFPA Firefighter I and II certifications as their end goal. **Firefighter I and II** professional qualifications levels as outlined in the 2013 edition of NFPA 1001, Standard for Firefighter Professional Qualifications. The material also covers the job performance requirements from the 2018 edition of NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents, at both the Awareness and Operations levels.

Health Sciences **Gr Level: 11-12 Sem: 2 Credit: 3**

Prerequisites: None

The course prepares the student for entry-level employment and/or post-secondary education in the health care field. First-year curriculum concentrates on a core curriculum applicable to all health care fields along with career exploration. An individually-designed curriculum is the focus of the second-year student in Health Sciences which provides the student with

further study in a specific field of their choice.

Law Enforcement **Gr Level: 11-12 Sem: 2 Credit: 3**

Prerequisites: None

Law Enforcement is our newest program. It will be available ***pending state approval.*** Student in the law enforcement program will learn the basic of police science and criminal justice. Students will be prepared to work with the correctional system, attend the police academy, continue their education, and be ready for the military.

Welding Technology **Gr Level: 11-12 Sem: 2 Credit: 3**

Prerequisites: None

The Welding course is designed to cover the theory, fundamentals, and basic processes, along with the practical application that builds skills and techniques for welders. A welding technologist uses hand-held or stand-alone welding equipment and torches to join or cut metal or plastics. They may fuse together plastic sheets, weld metal parts, or trim metal from objects as well as follow blueprints and work orders. Specialized training is also available for the skilled welder who wants specialized training in the area of MIG, TIG, plasma cutting and others. The welding training is geared to the realities of the job market in the surrounding area.

3D Modeling & Animation **Gr Level: 11-12 Sem: 2 Credit: 3**

Prerequisites: None

This course will give you an overview of developing a 3D animation from modeling to rendering. You will learn the basics of surfacing, lighting, animation and modeling techniques, you will explore volumetrics, modifiers particle systems, Booleans and inverse kinematics.

CLUBS & ORGANIZATIONS

Students who are actively involved in school tend to enjoy school more and, as a result, achieve higher levels of success. We have included information regarding some of the organizations that are active here at WHS. Membership in these organizations can provide valuable leadership experiences, as well as a lifetime of memories. (**There may be additional clubs/organizations not listed at this time.)

ART CLUB

Interested in Art? Be a member of theClub.You do not have to be a great artist or be enrolled in any art classes.We do a bit of everything art related;face painting, mural painting,small arts and crafts projects.We have held art fairs and auctions to raise money for scholarships and do other small philanthropic activities.For fun we gather for a crafts and eat pizza and love to go to the City Museum annually

BAND - CHOIR

DECA (Distribution Educational Clubs of America)

DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe.

FBLA (Future Business Leaders of America)

Future Business Leaders of America-Phi Beta Lambda is a nonprofit 501(c) (3) education association with a quarter million students preparing for careers in business and business-related fields.

FCCLA

The mission of Family, Career and Community Leaders of America (FCCLA) is to promote personal growth and leadership through Family and Consumer Science (FACS) education. Focusing on the multiple roles of the family member, wage earner and community leader, members develop skills for life through character development, creative critical thinking, interpersonal communications, practical knowledge, and career preparation. The FCCLA is affiliated with regional, state and national organizations.

FCA

Fellowship of Christian Athletes (FCA) is the largest Christian sports organization in America. FCA focuses on serving local communities by equipping, empowering, and encouraging people to make a difference for Christ. Here at WHS, FCA is a student-led organization that meets together to encourage each other and be good examples to staff, peers, and the community. Being a member of an athletic team is not a requirement

FFA

FFA is an organization that gives students the opportunity to develop leadership skills, apply the knowledge they have gained in the classroom to real world situations, and to travel throughout the country meeting other members.Activities include National Convention, State Convention, FFA Camp, competitions, fundraisers, community service activities, and many others.

LINK CREW

What does a Link Leader do?Link Leaders, junior and senior students are trained to work with the incoming freshman class and other new students who are entering our school each fall. After the extensive training, the Link Leaders will run freshman orientation before school starts in August. At the orientation, each Link Leader will be given a small group of freshmen to work with that day and will be asked to befriend and to help that group during the first week of school with any challenges they may face. Periodically during the school year, Link Leaders will meet again with their student groups to touch base, discuss problems, and plan social activities. We know that the more contact a freshman has with her/his Link Leader the more successful the freshman will be. Link Leaders will be required to participate in two days of training before school starts and the Freshmen Orientation.

SCIENCE CLUB

Science Club is an organization whose goal is to provide educational and engaging activities to students. These activities will be scientific in nature and seek to broaden students' understanding of the natural and technologically advancing world. The Science Club allows students who share a common interest in the sciences to get together outside of classroom hours. In this setting, classmates can meet to discuss their coursework, organize club activities, or just enjoy a little time away from their busy schedule.

SPEECH & DRAMA CLUB

Speech and Drama club is an organization which is active all year long.Typically, in the fall, the club works to prepare and present a main stage production. There are opportunities for acting, costuming, set design, etc. In the spring, the organization focuses on the mock trial. For this event, we take a fairy tale story and turn it into a court case. Then, students present it at the courthouse in Troy to third and fourth graders to demonstrate the courtroom process.Throughout the year,members also participate in various speech competitions.will have the opportunity to preview the available events at a workshop in October. From January through February, students travel to various competitions in the area where they can

test their skills against other schools. All in all, club members learn a variety of presentation skills and make great friends who share their love for communication and the arts.

STUDENT COUNCIL

Student Council offers students the opportunity to take an active leadership role in their school and community.Students can join by running for class office in April.Honorary (non-elected) members are also welcome!

Activities include:

•Hosting the Back to School Dance

•Planning and hosting the Homecoming parade,
coronation, and dance

•Winter Clothing Drive

•And much more!

YEARBOOK

Yearbook is designed to provide students with journalism skills and the ability to apply those skills to the actual production of the yearbook through the use of an online computer program. This undertaking is a collaborative effort.

SCHOLAR QUIZ BOWL TEAM

SPORTS TEAMS

Students who are actively involved in school tend to enjoy school more and, as a result, achieve higher levels of success. We have included information regarding some of the sports that are active here at WHS. Membership in these sports can provide valuable leadership experiences, as well as a lifetime of memories.

Fall Sports

Boys Soccer
Football
Cross Country
Girls Softball
Girls Volleyball
Cheerleading
Girls Golf

Winter Sports

Boys Basketball

Girls Basketball

Boys Wrestling

Girls Wrestling

Cheerleading

Redline Dance Team

Spring Sports

Baseball

Boys Golf

Girls Soccer

Boys Track

Girls Track