

winchester high school

*course description book*

2017-2018



**Table of Contents**

**Grading - 3**

**Graduation Requirements - 4**

**College Entrance Recommendations - 5**

**NCAA Requirements - 5**

**Core Course Descriptions - 6**

**Elective Course Descriptions - 17**

**Special Education Course Descriptions - 31**

The Course Description Book

The course description book is designed to aid students and parents in selecting courses for a student’s high school career. Also included in this book is information on graduation requirements, course sequences, and prerequisites. Read the course descriptions carefully before registering for a course. It is important to select courses that will benefit your after high school plans. Students are required to register for 8 credit hours in a school year. Students and parents are encouraged to contact Mrs. Lashmett, High School Counselor if they have any questions regarding course selection, the registration process, or planning for after high school.

**Adding or Dropping Courses**

Courses may be added or dropped during the Add/Drop period provided the following conditions are met:

* The student will still maintain a full course load.
* The change is educationally sound.
* The counselor and/or parent approve the change.
* Schedule changes affecting IEP minutes must be approved by the case manager.

After the Add/Drop period, a student may not drop a course without receiving a semester grade of "F". Exceptions may be made with approval from the counselor and principal.

**Early Graduation**

Applications for early graduation can be obtained from the counselor. Applications are due within the first ten days of the semester the student wants to graduate. Late applications will not be accepted. Each applicant will be required to personally appear before the Board of Education. Final acceptance is dependent upon both Board approval and successful completion of all academic requirements.

**Enrollment Requirements**

* Students must register for 7 courses plus PE each semester, unless permission given by counselor/principal.
* All courses at Winchester High School are open to members of either sex.
* Students will be required to purchase textbooks for dual credit classes.
* Any semester failed must be repeated to earn credit.
* A student is not allowed to repeat a passed course to improve a grade.
* Students may earn up to 2 credits in correspondence courses toward graduation. Correspondence courses may only be taken if the school does not offer the course, or the student has taken a required course and failed. Credits from correspondence courses may not be used for early graduation. Students may enroll in evening or summer school classes offered by other accredited schools for the purpose of making up failed credits.

Helpful Information



|  |  |  |
| --- | --- | --- |
| **Description** | **Letter** | **Numerical Value** |
| Superior | A | 100-94 |
| Very Good | B | 93-86 |
| Average | C | 85-76 |
| Passing | D | 75-68 |
| Failure | F | Below 68 |

Grading

**General vs Honors Courses**

**General Level:** Offered to all students and cover basic skills, concepts, principals, and theories in each subject area.

**Honors Level:** Offered to students who have mastered entry level skills. Courses are at an advanced level and go into greater depth and abstract thinking in each subject area.

Honors course are weighted with higher GPA value than General level courses.

**Grade Point Average (G.P.A.)**

Individual student grade point averages are calculated on a 4.0 scale. Only semester grades are included to calculate grade point averages. The letter grade is converted into numbers according to the difficulty of the course as indicated below:

|  |  |  |
| --- | --- | --- |
| **Letter Grade** | **General** | **Honors** |
| A | 4.0 | 4.5 |
| B | 3.0 | 3.5 |
| C | 2.0 | 2.5 |
| D | 1.0 | 1.5 |
| F | 0.0 | 0.0 |

**Class Rank**

Students are not ranked against one another. Instead students are ranked using the honors system which is as follows:

**Summa Cum Laude** - with highest honors

GPA above 4.00

**Magna Cum Laude** - with high honors

GPA 3.51-3.99

**Cum Laude** - with honors

GPA 3.00-3.50



Graduation Requirements

|  |  |
| --- | --- |
| **English** | 4 Credits (Including English I, English II, English III and Speech) |
| **Mathematics** | 3 Credits (Including Algebra and Geometry) |
| **Science** | 2 Credits |
| **Social Studies** | 3 Credits (Including Geography, US History, and Civics)  Students must pass the State and Federal Constitution tests. |
| **Fine Arts/Foreign Language/Vocational** | 2 Credits |
| **Physical Education/Driver’s Education** | ½ Credit of Health  3 Credits of PE (Unless an exemption is granted, Physical Education must be taken every semester)  ½ Credit Driver’s Education |
| **Miscellaneous** | Consumer Education or Ag Business Management or Co-op or CEO  Students must take the State exam before a diploma can be granted and be considered a Senior. |

re

**26 Credits are required to graduate from Winchester High School**

It is *recommended* that students planning on attending state colleges or universities follow these guidelines for best chances at admissions. Please note, every school will have different requirements and this is just a guide.

College Entrance Recommendations

|  |  |
| --- | --- |
| English | 4 years (emphasis on literature, and written and oral communications) |
| Mathematics | 3-4years (a minimum of introduction through advanced Algebra, Geometry, and Algebra 2) |
| Science | 3 years (Laboratory sciences) |
| Social Studies | 3 years (emphasis on history and government) |
| Electives | 2 years (Foreign Language, Music, Career & Technical Education or Art) |

**\*When college applications ask for a class rank you must select “our school does not rank” or “N/A”** \*

NCAA Requirements

**\*Students must apply to the NCAA Clearinghouse at www.eligibilitycenter.org**

**Division I (16 Core-Course Rule)**

|  |  |
| --- | --- |
| English | 4 years |
| Mathematics | 3 years (Algebra 1 or higher) NCAA does not accept Math Testing Concepts as a math credit |
| Natural/Physical Science | 2 years (1 year must be Lab Science) |
| Additional English, Mathematics, or Natural/Physical Science | 1 year |
| Social Studies | 2 years |
| Additional Courses | 4 years (from any above subject area or foreign language) |

**Division II (14 Core-Course Rule)** (will turn to 16 Core in Aug 2013)

\*NCAA does not accept Keystone Credit Recovery. NCAA does accept Illinois Virtual High School\*

|  |  |
| --- | --- |
| English | 3 years |
| Mathematics | 2 years (Algebra 1 or higher) NCAA does not accept Math Testing Concepts as a math credit |
| Natural/Physical Science | 2 years (1 year must be Lab Science) |
| Additional English, Mathematics, or Natural/Physical Science | 2 year |
| Social Studies | 2 years |
| Additional Courses | 3years (from any above subject area or foreign language) |

CORE COURSES

*Department of English...7*

*Department of Math…10*

*Department of Science…12*

*Department of Social Studies…14*

*Department of Physical Education…16*

Honors English IV

English IV

Honors English III

Reading Lab

Media/ Newspaper

Media/ Yearbook

**ENGLISH I** (WHS 0101P1)

**Grade: 9 Length: 1 year Level: General Credit: 1**

This course is designed to expose students to a variety of styles of literature. These include short stories, plays, fiction, and nonfiction texts. Students will also study grammar, literary devices, and vocabulary. During this course students will learn organized writing techniques for both paragraph and multi-paragraph writing.

**ENGLISH II** (WHS 0102P1)

**Grade: 10 Length: 1 year Level: General Credit: 1 Prerequisite: English I**

This course is a general study in literature (prose, drama, poetry and novels) grammar (usage and sentence structure), intensive writing and vocabulary.

**SPEECH** (WHS 0103P5)

**Grade: 10 Length: 1 semester Level: General Credit: ½**

This course is designed to improve the student’s ability to select and narrow an appropriate topic for a public speaking situation. Intermediate library science and technology-based research skills will be introduced. Both formal and informal communication skills are discussed. Each student will prepare and deliver a minimum of six speeches ranging from informal communication to a formal informative, persuasive, and demonstrative speech. Proper documentation methods will be stressed.

**ENGLISH III** (WHS0104P1)

**Grade: 11 Length: 1 year Level: General Credit: 1**

**Prerequisite: English I and English II**

This course emphasizes the study of American literature, grammar and vocabulary. Writing skills are studied culminating with a research paper. This course will fulfill both graduation and college entrance requirements.

Film Lit

Creative Writing

English I

English III

English II

Speech

Department of English

**HONORS ENGLISH III** (WHS0105G1)

**Grade: 11 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: English I, English II**

This course is designed for those students who intend to further their education beyond high school at a four-year college or university. It is the study of grammar, composition, and intensive writing. There is also a focus on vocabulary. A term paper is required. A comprehensive study of literature is designed to help the college bound student analyze literature. Emphasis is placed on knowing authors, their respective periods of literature, and their ideas expressed through their works. Essays based on literature are frequently required. Students should expect to be challenged in this course.

**ENGLISH IV (WHS0123P11)**

**Grade: 12    Length: 1 year        Level: Regular       Credit: 1**

This course is designed for any student who wishes to further develop skills in academic writing, vocabulary, and reading comprehension. Students will be exposed to various pieces of British literature and will be expected to complete analytical essays using critical thinking skills. Writing skills learned in Honors English 3 and English 3 will be built upon including the review of MLA. Another important aspect of this course is the persuasive research paper in which students will learn the principles of APA documentation. Students should be prepared for a heavy literature based curriculum.

**HONORS ENGLISH IV (WHS0122G5)**

**Grade: 12    Length: 1 semester Level: Honors       Credit: 1**  
This course introduces students to academic writing as a process of developing and supporting a thesis in an organized essay. Course topics include methods of invention, development, and organization; the elements of style, including the conventions of standard written English; and an introduction to research and documentation. Students write expository and argumentative essays based on analytical reading and critical thinking. In this course students will improve their ability to read and form arguments about various texts, and one will come to better understand the relationship among critical thinking, reading, and writing. Success and participation is an important goal of this course. The learning experience will be familiar to students: class discussions, small and large group work, exams, and papers. *This course will be taught as dual credit through LLCC as EGL 101. Students must have a 22 or higher on the ACT in BOTH Reading and English (or pass the placement exam through LLCC) to qualify to take this course.*



**ENGLISH ELECTIVES**

*(English Electives will count as English requirement for graduation upon successful completion of English 1, 2, & 3)*

**CREATIVE WRITING (WHS0109P5)**

**Grade: 10, 11, 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: Successful completion of English I**

This class will provide students with an opportunity to create original, imaginative writing.  Students will write poetry, short stories, children’s literature, personal narratives, dramatic scenes, and other creative works.  Students should expect to share their writing with the class, and be prepared for evaluations and critiques by both the instructor and classmates.  They will have the opportunity to enter their work in contests. Most of the work will be completed in class.

**FILM AS LITERATURE** (WHS0113P5)

**Grade: 10, 11, 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: Successful completion of English I**

This course is designed to expose students to popular plays and novels that have been reproduced and interpreted by filmmakers. Students will research both classic and contemporary literary works and then view the film adaptations of those pieces. Additionally students will maintain a journal to reflect on the selections and to demonstrate understanding. This course does involve both a midterm as well as a semester project.

**READING LAB (WHS0121P1)**

**Grade 9, 10, 11, 12 Length: 1 year Level: General Credit: 1**

Students are placed into this course based on results from several academic assessments and data points. The course is designed to help students improve their reading skills to be successful in all other academic courses. This course does not count as an English requirement for graduation.

**MEDIA/YEARBOOK (WHS0110P1)**

**Grade: 9, 10, 11, & 12 Length: 1 year Level: General Credit: 1**

This course is designed to encourage students to work with a staff and adviser to develop a specific plan to produce the school yearbook. This course will teach basic business skills, use of various forms of technology, layout and design, basic photography skills, and writing techniques such as captions, and creative expression. This course encourages teamwork, setting priorities, and maintaining responsibility. Members are expected to have a high level of maturity and ability to work independently. Students should expect to attend evening and weekend school-related activities for yearbook reporting purposes. **Students will be required to take pictures at events after school hours**. **This is a year-long course and may not be taken for only one semester.**

**MEDIA/NEWSPAPER (WHS0120P1)**

**Grade: 9, 10, 11, & 12 Length: 1 year Level: General Credit: 1**

This course is designed to encourage students to work with a staff and adviser to develop a specific plan to produce the school newspaper using SOCS. This course will teach basic business skills, use of various forms of technology, layout and design, basic photography skills, and writing techniques such as captions, creative expression, and newspaper journalism. This course encourages teamwork, setting priorities, and maintaining responsibility. Members are expected to have a high level of maturity and ability to work independently. Students should expect to attend evening and weekend school-related activities for newspaper reporting purposes.

Algebra 1A

Department of Mathematics

Algebra 1B

**\*Graphing calculators will be needed for ALL Math classes, preferably a Texas Instrument.\***

**ALGEBRA I** (WHS0401P1)

**Grade: 9, 10, 11, and 12 Length: 1 year Level: General Credit: 1**

The study of the real number systems and its concepts including equations, and its applications, with an emphasis on functions and their graphs. Statistics will also be covered in this course.

**ALGEBRA 1A** **& 1B** (WHS0416P1 & WHS0417P1)

**Grade: 9, 10, 11, and 12 Length: 1 year Level: General Credit: 1**

The study of the real number systems and its concepts including equations, and its applications, with an emphasis on functions and their graphs. Statistics will also be covered in this course. This course is taught in two parts, Algebra 1A and 1B. Each course is a yearlong. Algebra 1A is a prerequisite to Algebra 1B. Both courses must be taken to meet the Algebra 1 requirement for graduation.

**GEOMETRY** (WHS0403P1)

**Grade: 10, 11, and 12 Length: 1 year Level: General Credit: 1**

**Prerequisite: Algebra I**

This course is designed to acquaint students with the basic geometric concepts and theorems with limited use of formal proofs.

**HONORS GEOMETRY**(WHS0415G1)

**Grade: 9, 10, 11, and 12       Length: 1 year           Level:  Honors            Credit: 1**

**Prerequisite:  Teacher and administrator approval.**

This course studies geometric concepts and theorems with algebraic applications as well as the use of formal proofs.  The study of deductive reasoning is applied to plane and solid figures. We will also study the coordinate plane and use it in formal proofs.  There will also be geometric constructions and proofs*.*

**ALGEBRA II** (WHS0405P1)

**Grade: 10, 11, and 12 Length: 1 year Level: General Credit: 1**

This course will include the following topics: linear functions, absolute value, systems of equations, quadratic functions, polynomial degree 3 and higher, rational functions, radical functions, and exponential functions The following will be covered as time allows: logarithmic functions, and introduction to trigonometry, and an introduction to probability and statistics.

Technical Math

Statistics

Algebra II

Geometry

Algebra I

Calculus

Pre-Calculus/Trig

Honors Algebra II

Honors Geometry

**HONORS ALGEBRA II** (WHS0405G1)

**Grade: 10, 11, and 12 Length: 1 year Level: Honors Credit: 1**

This course will include the following topics: absolute value, quadratic functions, polynomials degree 3 and higher, rational functions, radical functions, exponential functions, logarithmic functions, and an introduction to trigonometry. The following will be covered as time allows: an introduction to probability and statistics.

**PRECALCULUS/TRIGONOMETRY** (WHS0406G1)

**Grade: 11 and 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Algebra II or teacher approval.**

The study of trigonometry is the focus of the first semester. Second semester the focus is on analytic geometry along with applications to various fields of study. The second semester is necessary preparation for calculus. Students need to have a graphing calculator for this class, preferably a Texas Instrument.

**TECHNICAL MATH (WHS0411P5)**

**Grade: 11 and 12 Length: 1 semester Level: General Credit: ½**

This course covers the math skills necessary for solving occupational problems. Topics included are whole numbers, fractions and decimals; percents; measurement; formulas and equations; lines, angles and shapes; positive and negative numbers; and ratios and proportions. Problems focus on applying these principles to occupational settings.

**TEM 103 Vocational-Technical Math 3 credits**

**\*This course is offered as dual credit through LLCC**.

**CALCULUS** (WHS0408G1)

**Grade: 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: “C” or better in the following courses Advanced Algebra I, Advanced Geometry, Algebra II and Trigonometry/Precalculus: or teacher approval. Students must score a 22 or higher on the math section of the ACT test to qualify for this course.** This course is designed to acquaint students with functions, derivatives and integrals. Students need a graphing calculator for this class, preferably a Texas Instrument.

**\*This course is offered as dual credit through LLCC (MAT 131) 4 credits**.

**STATISTICS (WHS0414P1)**

**Grade: 11 and 12 Length: 1 semester Level: General Credit: ½**

This introductory course in statistics focuses on statistical reasoning and its use in solving real-world problems and in interpreting results reported in journals and through popular media. The content includes the following: basic descriptive statistics, basic probability theory, random variables and probability distributions, sampling distributions for statistics, statistical inferences involving confidence interval estimation and hypotheses testing for means, standard deviations and proportions, correlation and regression.

Department of Science

Anatomy and Physiology

Earth Science

Conceptual Physics

**CONCEPTUAL PHYSICS** (WHS0510P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: Successful completion of Algebra 1**

A variety of textbook and online sources will be used to help students learn the material. This semester-long science course focuses on a conceptual understanding of physics. The goal of the course is for students to actively pursue an understanding and appreciation of the laws that govern matter and energy and their interactions. Students will integrate algebraic problem solving skills as they apply the laws of physics to show relationships between physics quantities. Topics to be covered include Laws of Motion, Energy, Waves (Light and Sound) and Electricity. Indoor and Outdoor experimentations including projects to be completed individually and in groups may be part of this course.

**BIOLOGY** (WHS0504P1)

**Grade: 9, 10, 11, and 12 Length: 1 year Level: General Credit: 1**

**Prerequisite: Environmental Science**

Biology topics will include biochemistry, cell biology, cellular respiration, genetics; all at an introductory level. Classification of living organisms and a brief overview of each of the biological kingdoms will be covered with more emphasis on the study of plants and animals. A variety of labs will be used to reinforce biological concepts. Students may be required to complete a spring wild flower collection with proper identification.

**ENVIRONMENTAL SCIENCE** (WHS0503P1)

**Grade: 9, 10, 11, and 12 Length: 1 year Level: General Credit: 1**

Environmental science will examine different ecosystems and how living organisms interact in those ecosystems. The impact of man on the environment will also be covered. Other topics included in the course are biodiversity, understanding populations, water resources, water pollution, the atmosphere, air pollution, climate and climate change, food and agriculture, energy resources and waste management. A number of labs and activities will be included to reinforce concepts. Local field trips may also be included.

**EARTH SCIENCE (WHS0511P5)**

**Grade: 9, 10, 11, and 12 Length: 1 semester Level: General Credit: ½**

Earth Science courses offer insight into the environment on earth and the earth’s environment in space. While presenting the concepts and principles essential to students’ understanding of the dynamics and history of the earth, these courses will explore oceanography, geology, astronomy, meteorology, and geography.

Adv Ag Science

Bio Sciences App in AG

Chemistry II

Chemistry I

Environmental Science

Biology

Physics

**ANATOMY AND PHYSIOLOGY** (WHS0505G1)

**Grade: 11, and 12 (or teacher approval) Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Biology**

Anatomy and Physiology is the study of all human systems. This course is highly recommended for students considering health-related careers. This course will present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

**CHEMISTRY I** (WHS0506G1)

**Grade: 10, 11, and 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Biology, Geometry and (Concurrent enrollment in Algebra II is highly recommended).**

This course examines the characteristics of the elements, the changes that take place when they combine to form other substances, and the laws of their combination and behavior under various conditions. **Calculator is required.** Both wet lab and virtual activities will be conducted to reinforce concepts taught. This course will involve both learning new concepts and applying those concepts to solve mathematical problems. Students may need to seek additional help from the teacher, outside of General classroom sessions, to ensure understanding and mastery of the material taught.

**CHEMISTRY II** (WHS0507G1)

**Grade: 11, 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Chemistry I**

After a brief review of stoichiometry, students will continue to explore various areas of Chemistry. This will include Solutions, Thermodynamics, Electrochemistry, Acids and Bases, and Reduction-Oxidation (Re-dox) reactions, and Organic Chemistry. Laboratory and analytical skills learned in general chemistry will be refined. Both wet lab and virtual lab activities will be conducted to reinforce concepts taught. This course will involve both learning new concepts and applying those concepts to solve mathematical problems. Students may need to seek additional help from the teacher, outside of General classroom sessions, to ensure understanding and mastery of the material taught.

**PHYSICS** (WHS0508G1)

**Grade: 11, 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Conceptual Physics, Algebra II, concurrent enrollment in Trig OR teacher recommendation**

Physics is a study of the events occurring in the world around us. The course deals with basic concepts and unifying principles, and offers the student an opportunity to develop mathematical abilities. Topics covered include the study of motion, waves, and electricity. **A scientific or graphing calculator is required.** A number of labs will be performed to reinforce concepts. This course will involve both learning new concepts and applying those concepts to solve mathematical problems. Students may need to seek additional help from the teacher, outside of General classroom sessions, to ensure understanding and mastery of the material taught.

**BIOLOGICAL SCIENCES APPLICATION in AGRICULTURE** **(BSAA)** (WHS1104P1)

**Grade: 10, 11, 12 Length: 1 year Level: General Credit: 1**

This third year builds on basic skills and knowledge gained from the advanced agricultural science class. Major units of instruction include plant science and animal science. This class is designed to be a laboratory-based class. Students will be introduced to aquaculture. Applied math and science skills will be emphasized throughout the course. This course meets the science requirement for graduation.

**ADVANCED AGRICULTURAL SCIENCE** (WHS1103P1)

**Grade: 10, 11, 12 Length: 1 year Level: General Credit: 1**

This course will cover several areas. The areas will consist of forestry, surveying, soil science, meat id, electrical and animal science. This is a hands-on vocational skills class. Students will learn careers, safety and all other necessary skills to complete each section. This course meets the science requirement for graduation.

Department of Social Studies

Civics

**GEOGRAPHY** (WHS0601P1)

**Grade: 9 and 10 Length: 1 year Level: General Credit: 1**

Students will be exposed to opportunities for higher level thinking about causes, whys, and relationship in geography, in addition to the basic facts of geography.

**US HISTORY** (WHS0604P1)

**Grade: 11, 12 Length: 1 Level: General Credit: 1**

A survey of economic, political and social events which have shaped the development of our country. An attempt is made to show how those events influenced our daily lives.

**HONORS US HISTORY** (WHS0604G1)

**Grade: 11, 12 Length: 1 Level: Honors Credit: 1**

A survey of economic, political and social events which have shaped the development of America. The honors U.S. History course will focus on the same time period and historical events and interpretations as the Purple Level U.S. History course. However, the honors course will integrate more reading and writing into the curriculum. There will be a greater emphasis on historical analysis and debate. Many assignments will be project-based and students will be expected to maintain a higher level of comprehension with both primary and secondary historical documents. This course is designed to help students prepare for college-level writing and thinking.

**CIVICS** (WHS0606P5)

**Grade: 12 Length: 1 semester Level: General Credit: ½**

This course is designed to prepare the student to be an intelligent voter who knows our basic laws and can recognize what democracy is all about. Students will also learn the mechanics of registering and voting. Students must pass the Illinois Constitution and United States Constitution tests in order to pass this class.

US History in Film

Honors US History

US History

World History in Film

World History

Modern US History

Sociology

Humanities

Geography

**HUMANITIES** (WHS0612P5)

**Grade: 10, 11, 12 Length: 1 semester Level: General Credit: ½**

This course will be divided into six three-week units. It will revolve around a project based curriculum, challenging students to analyze, evaluate, and reflect upon the topics that are covered. Students will be exposed to the following subject areas: Architecture, Art History, Creative Writing, Literature Appreciation, Music Appreciation, and Philosophy. Depending upon the current social climate, areas are subject to change. Students will demonstrate mastery of these subjects through creative writing as well as individual and group projects.

**WORLD HISTORY** (WHS0602P5)

**Grade: 9, 10, 11, and 12 Length: 1 Semester Level: General Credit: 1/2**

World History introduces students to important historical sequences and events, which affect the way in which we live today.

**HONORS WORLD HISTORYII** (WHS0615G5)

**Grade: 10, 11, and 12 Length: 1 Semester Level: Honors Credit: 1/2**

This course offers students a closer look at World War II and how it impacted Europe and the rest of the world. The course will look at different topics related to World War II including the rise of Adolf Hitler to power in Germany, different responses that European nations had to the outbreak of war, the Holocaust, and the lasting impact of the war on the world. During the semester students will look at various primary sources to better understand the events of WWII as well as different contemporary and classic works of literature.

**WORLD HISTORY in FILM** (WHS0610P5)

**Grade: 10, 11, and 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: World History**

Students will watch films and complete research and review assignments. The objective of this course is to enjoy and learn films about ancient cultures and World history (1000BC-1800’s).

**US HISTORY in FILM** (WHS0614P5)

**Grade: 11, and 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: US History (or current enrollment in US History)**

Students will watch films and complete research and review assignments. The object of this class is to enjoy and learn about classic American films and American history.

**MODERN U.S. HISTORY** (WHS0613G5)

**Grade: 12 Length: 1 semester Level: Honors Credit: ½**

This course will study United States History Since 1877.This course surveys such topics as industrialization and urbanization's impact upon American society, World War l, the Depression, The New Deal, World War II, the Cold War, and modern domestic problems such as racism, sexism and the crisis in confidence. **\*This course is offered as dual credit through LLCC** **HIS 112.**

**SOCIOLOGY** (WHS0603G5)

**Grade: 12 Length: 1 semester Level: Honors Credit: ½**

This course will attempt to show why individuals and groups react in a given way in various cultures, and why an act, which is acceptable in one culture, may be unacceptable in another. Current social issues such as drugs, crime, marriage, and divorce will be studied.

Department of Physical Education

**PHYSICAL EDUCATION and DEVELOPMENT** (WHS0701P1)

**Grade: 9, 10, 11, and 12 Length: 1 year Level: General Credit: 1**

Physical education classes consist of team/individual sports and physical fitness. Sport units include, but are not limited to the following: archery, soccer, bowling, flag football, pickleball, badminton, volleyball, softball, floor hockey and ultimate Frisbee. Physical fitness aspects of the course are designed to not only increase current physical fitness levels, but also promote lifelong movement. Throughout physical education students will learn the basics of exercise principles, learn to maintain a safe fitness environment, and also how to correctly use different fitness equipment.

**HONORS FITNESS PHYSICAL EDUCATION** (WHS0703G1)

**Grade: 9, 10, 11 and 12 Length: 1 year Level: Honors Credit: 1**

This course is designed for students who wish to enhance their overall level of physical fitness. Students will essentially be assessed in terms of their baseline physical fitness norms (cardiovascular fitness, muscular strength and endurance, flexibility, body composition, etc.). Throughout the semester, students will establish individual fitness goals, learn how to safely use free weights and exercise equipment, and receive instruction on how to design a “home-based” fitness program. The majority of the class time will be devoted to physical activity. Individual fitness folders will be established for General evaluation. This class is an excellent high energy, motivation class for dedicated students that have the desire to excel in fitness and sports.

Early Bird Fitness PE may also be available. Students must have transportation to early bird fitness. Start time for Early Bird Fitness will be determined by the students and the teacher. Student will be given the opportunity to pick up another course or have early dismissal 8th hour.

**HONORS ATHLETIC FITNESS PHYSICAL EDUCATION** (WHS0708G1)

**Grade: 9, 10, 11 and 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite:** The student must participate in a sport or be approved by teacher

This course is taught as an early bird class before school hours. This course is designed to provide the student athlete with additional fitness gains such as strength, endurance, flexibility, body composition, agility and cardio respiratory endurance.  The objectives of this course include; developing agility, speed, endurance, explosive power, to help prevent injuries. The students will gain insight in use and safety of the machines. Students will apply techniques of progressive resistance weight training to their own body configurations.

*PE Exemptions are given to Junior and Senior athletes in competitive sports during the semester of their season. (ie. Football –semester 1, basketball-semester 2) Medical and Academic PE exemptions are given with principal and counselor approval only. Co-op students can appeal for exemption to the principal.*

Physical Education

Fitness PE

Health

Driver’s Education

**HEALTH** (WHS0705P5)

**Grade: 9, 10, 11, and 12 Length: 1 semester Level: General Credit: ½**

Health is a required course for graduation. Students normally take health during one semester of their freshman year in place of physical education. Subject matter includes all elements of health and includes state mandates concerning sex education and substance abuse education.

**DRIVER EDUCATION** (WHS0706P5)

**Grade: 9, 10 Length: 1 semester Level: General Credit: ½**

**Prerequisites: Any student who is or becomes fifteen years old during by a predetermined date.**

The course consists of nine weeks of classroom instruction (a minimum of thirty hours), six hours of behind-the-wheel driving instruction and passing a driver’s competency test. This course has a fee to cover instruction permits and the expense of leasing and operating an automobile. A student cannot miss more than 5 days of class during the 9 weeks of classroom instruction. Each student must be enrolled in high school and receive a passing grade in at least eight academic courses during the previous two semesters (four per semester) prior to enrolling in a driver education course. If a pupil is a freshman, school districts may count passing grades from the last semester of the student’s eighth-grade school year.

*Department of Agriculture…19*

*Department of Business…21*

*Department of Family Consumer Sciences…24*

*Department of Fine Arts…26*

*Department of Foreign Language…29*

*Department of Industrial Arts…30*

*Other Electives…32*

ELECTIVES

Department of Agriculture

Ag Mechanic Welding II

Ag Machinery Service

Landscaping

Horticulture

**INTRODUCTION TO THE AGRICULTURE INDUSTRY** (WHS1101P1)

**Grade: 9, 10 Length: 1 year Level: General Credit: 1**

This introductory course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influences of agriculture at the local, state, national and international levels. Both business and production applications are presented. Basic concepts in animal science, plant science, soil science, horticulture, agricultural resources, agribusiness management and agriculture mechanics are included. Membership and participation in the FFA and its activities will be stressed with emphasis placed upon leadership skill development including public speaking, parliamentary procedure and local community cooperative programs.

**ADVANCED AGRICULTURAL SCIENCE** (WHS1103P1)

**Grade: 10, 11, 12 Length: 1 year Level: General Credit: 1**

This course will cover several areas. The areas will consist of forestry, surveying, soil science, meat id, electrical and animal science. This is a hands-on vocational skills class. Students will learn careers, safety and all other necessary skills to complete each section. This course counts as a graduating science credit.

**BIOLOGICAL SCIENCES APPLICATION in AGRICULTURE** **(BSAA)** (WHS1104P1)

**Grade: 10, 11, 12 Length: 1 year Level: General Credit: 1**

This third year builds on basic skills and knowledge gained from the advanced agricultural science class. Major units of instruction include plant science and animal science. This class is designed to be a laboratory-based class. Students will be introduced to aquaculture. Applied math and science skills will be emphasized throughout the course. This course counts as a graduating science credit.

**AGRIBUSINESS MANAGEMENT** (WHS1105P1)

**Grade: 10, 11, 12 Length: 1 year Level: General Credit: 1**

This capstone course is designed to develop student skills in the area of advanced agriculture business procedures, establishment of agricultural business, managing and financing the agribusiness, marketing and advertising, trading commodities. This course meets the requirements for Consumer Education instruction as required by the School Code of Illinois.

BSAA

Ag Business Mgmt

SAE

Advanced Ag Science

Ag Mechanic Welding I

Intro to Agriculture

**AG MECHANICS WELDING I** (WHS1107P5)

**Grade: 10, 11, and 12 Length: 1 semester Level: General Credit: ½**

This class will involve basic welding knowledge combined with laboratory practicum. Welders will be versed in reading and drawing a welding diagram, arc welding, mig welding, and tig welding. Welders will be required to complete several projects.

**AG MECHANICS WELDING II** (WHS1115P5)

**Grade: 10, 11, and 12 Length: 1 semester Level: General Credit: ½**

This class will involve basic welding knowledge combined with laboratory practicum. Welders will be versed in reading and drawing a welding diagram, arc welding, mig welding, and tig welding. Welders will be required to complete several projects.

**HORTICULTURE SCIENCE AND PRODUCTION** (WHS1108P5)

**Grade: 10, 11, 12 Length: 1 semester Level: General Credit: ½**

This course will familiarize the students with concepts behind greenhouse management, types of cuttings, plants, floral design and growing information. Students will be provided with hands on experience in a working greenhouse environment.

**LANDSCAPING/TURF MANAGEMENT** (WHS1109P5)

**Grade: 10, 11, 12 Length: 1 semester Level: General Credit: ½**

This advanced course contains units on establishing, maintaining and designing landscape plantings, creating landscape designs, working in the greenhouse and landscaping the school.

**SUPERVISED AGRICULTURAL EXPERIENCE PROGRAM (SAE)** (WHS1110P2)

**Grade: 9, 10, 11, 12 Length: 1 year Level: General Credit: ½**

**Prerequisite: Intro to Ag & Teacher approval**

This experience program requires students to have a minimum of one approved project. The student will be required to complete project record books, training plans and agreements. Progress will be monitored by the instructor through scheduled meetings and project visits. The ultimate goals of this program are valuable work experience and the ability to compete for awards in the FFA on the state and national levels.

**AGRICULTURAL MACHINERY SERVICE** (WHS1114P5)

**Grade: 11 and 12 Length: 1 semester Level: General Credit: ½**

This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, and fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. Career such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Co-Op II

Co-Op I

Marketing

Internet Concepts

Accounting

Info Processing

**INTRO TO BUSINESS** (WHS0801P1)

**Grade: 10, 11, and 12 Length: 1 year Level: General Credit: 1**

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration, and production).Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. *This course is offered as dual credit through Lincoln Land Community College BUS 121. 3 credit hours*

**INFORMATION PROCESSING (Microsoft Office Suite)** (WHS0803P5)

**Grade: 9, 10, 11, and 12 Length: 1 Semester Level: General Credit: ½**

Information Processing is a skill-level course that includes the concepts and terminology related to the people, equipment and procedures of information processing as well as skill development in the use of information processing equipment. Students will create and update documents using word processing and desktop publishing programs and put together slide shows, speaker notes and handouts using presentation software. Students will revise data in a stored database and use queries to create customized reports. Students will edit and utilize calculation functions in spreadsheets, integrate graphics, spreadsheet, tables, text and data into documents and reports, and create graphs and charts from spreadsheets. Students may learn to conduct research on the Internet, prepare and answer routine correspondence, organize and maintain a filing system, maintain an appointment calendar, make travel arrangements, prepare itineraries, expense reports and timesheets. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing and speaking) will be taught and integrated throughout this course.

**INTERNET CONCEPTS AND TOOLS** (Formerly Web 2.0) (WHS0804P5)

**Grade: 10, 11, and 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: Information Processing**

This course is a skill level course where students will be exposed to general Internet concepts and various tools/ software available on the Internet. Students will develop powerful creations using free downloaded software tools. Students will learn to use the tools, design a creation, and implement their creation. Several tools will be introduced, such as Photo Story 3 for digital storytelling, Clevr for digital stitchery, Audacity for podcasting, Windows MovieMaker for video creation. Other areas that may be explored are wikis and blogs and other miscellaneous tools. Students will be expected to create individual and team projects, demonstrate skills during those projects, and create written reflections on the project/software tools.

Intro to Business

Department of Business

**ACCOUNTING** (WHS0805P1)

**Grade: 10, 11, and 12 Length: 1 year Level: General Credit: 1**

Accounting is a skill level course provided for those students who are interested in entering a business office upon completion of high school or are planning to major in a business related field in college. Accounting I involves the reading, interpreting, translating and recording of business transactions. The course focuses on the use of journals, ledgers, worksheets, income statement and balance sheets for sole proprietor and partnerships. Mastery of basic mathematical skills and the ability to think in a logical manner are essential. The final project involves a simulation of an accounting business model.

**MARKETING (WHS0817G1)**

**Grade: 10, 11 and 12 Length: 1 year Level: Honors Credit: 1**

This class will focus on the Marketing process of planning and executing the conception, pricing, promotion and distribution of ideas, goods and services to create exchanges that satisfy individual and organizational objectives. Topics covered will include market segmentation, consumer behavior, advertising and marketing concepts. At the end of the semester, students should be able to: Identify basic marketing concepts and functions. Understand a Marketing Manager’s task. Understand the effect of societal constraints on marketing strategies available to the firm.

**COOPERATIVE INTERRELATED EDUCATION CLASS (CO-OP I)** (WHS0808P5)

**Grade: 11 Length: 1 semester (Spring) Level: General Credit: ½**

Cooperative Education Class is available to students who are in the second semester of their Junior year and will be interested in participating in the Cooperative Work Program as a Senior. This Junior year course will work with students to discuss and teach the skills needed to seek and obtain employment, such as job search skills, job application techniques, and interviewing skills. Issues discussed will include: How do I get a job without any experience? How do I get experience without having a job? This is a dilemma that many students face as they prepare themselves for graduation and beyond. ***This class is a prerequisite to participation in the Cooperative Work Training Program offered during a student’s Senior year.*** *This course meets the requirement for Consumer Education instruction as required by the School Code of Illinois (Section 27-12.1)*

**COOPERATIVE INTERRELATED EDUCATION CLASS** **(CO-OP II)** (WHS0810P5)

**Grade: 12 Length: 1 semester (Fall) Level: General Credit: ½**

Cooperative Work Training is available to students who are interested in actual on-the-job training related to their occupational choices through supervised work experience. Cooperative Work Training consists of 2 phases: related class (1/2 credit) and on-the-job (1/2 credit per semester). Students make application to the program and will be considered based upon attendance, past school performance, acquired skills and teacher recommendation. Topics covered in the related class include budgeting, taxes, savings and plans for financial security, applying for and maintaining good credit, investing and general information concerning the world of work. Topics covered on the job site include specific instruction in the student’s field of training. Each student is required to agree and abide by certain regulations, which apply specifically to cooperative education students.

**Students are required to have an employable job experience prior to the add/drop deadline. Students must maintain passing grades in all subjects including previous semester to continue participation in the co-op program.**

**THIS CLASS MUST BE TAKEN AT THE SAME TIME THE STUDENT IS ENROLLED IN CO-OP JOB EXPERIENCE DURING THE FIRST SEMESTER OF THEIR SENIOR YEAR. STUDENTS WILL ATTEND DAILY CLASS DURING THE FIRST SEMESTER OF THEIR SENIOR YEAR AND WILL BE REQUIRED TO MEET PERIODICALLY (AT THE TEACHER’S DISCRETION) DURING THE SECOND SEMESTER OF THEIR SENIOR YEAR TO COMPLETE REQUIRED RECORDS.**

**COOPERATIVE INTERRELATED EDUCATION JOB** **(CO-OP)** (WHS0809P1)

**Grade: 12 Length: 1 year Level: General Credit: 1**

Cooperative Work Training is available to students who are interested in actual on-the-job training related to their occupational choices through supervised work experience. **Students must have completed the Cooperative Education Interrelated Education Class the second semester of their Junior year to be enrolled in this work experience.**

Interior Design

Consumer Education

Clothing

Department of Family & Consumer Sciences

Teaching as a Profession

**CHILD DEVELOPMENT I** (WHS0902P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

This course is designed to increase student knowledge and understanding of the intellectual, physical, social and emotional growth and development of children from conception to age 1. Information related to careers in childcare in incorporated within the course. Teenage pregnancy and parenting skills are also studied.

**CHILD DEVELOPMENT II** (WHS0903P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: Child Development I**

This course is designed to increase student knowledge and understanding of the physical, emotional, social, and intellectual development of the child ages 1 to 3 years, 4 to 6 years, and 7 to 12 years including the special challenges some children might develop or are born with.

**FOODS AND NUTRITION I** (WHS0904P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

This course includes classroom and laboratory experiences to develop knowledge, skills and understanding of foods and nutrition. Sanitation food borne disease and basic skills of kitchen management are taught. Information related to careers in foods and nutrition is incorporated within the course.

**FOODS AND NUTRITION II** (WHS0905P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

**Prerequisite: Foods and Nutrition I**

This course opens up to the student the world of regional foods of the U.S. and Canada. Following these experiences, International Cuisine is emphasized including geography and culture if selected of selected countries. Each participant has a major project related to their country of choice.

Foods and Nutrition II

Foods and Nutrition I

Child Development I

Child Development II

**CLOTHING AND TEXTILES** (WHS0906P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: 1**

This basic course in textiles and clothing includes classroom and laboratory experiences to provide students with knowledge and understanding of machine and hand sewing techniques.

Included are experiences related to garment construction, machine embroidery, hand sewing techniques and a study of textiles and their properties. Information related to careers in clothing is incorporated within the course.

**INTERIOR DESIGN** (WHS0908P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

Educational classroom and laboratory experiences are designed to provide students with an introduction to the basic knowledge and skills of the housing field and for the planning of the living environment to meet the needs of the occupants. Students will learn the design principles and elements related to housing. Information related to careers in housing is incorporated with the course.

**TEACHING AS A PROFESSION (WHS0912P5)**

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

Focus on skills required to become a professional in the area of education. This course includes skills to teach levels from pre-kindergarten to 12th grade. These valuable skills will help you learn about yourself and how to help all children learn.

**CONSUMER EDUCATION** (WHS0910P5)

**Grade: 11 and 12 Length: 1 semester Level: General Credit: 1**

Learning experiences focus on the knowledge and skills needed to utilize resources and consumer information by applying goal setting and decision-making skills which contribute to an improved quality of life for the individual and society as a whole. This course meets the requirement for Consumer Education instruction as required by the School Code of Illinois (Section 27-12.1)

Graphic Design/Digital Photography

Printmaking II

Printmaking I

Band

Chorus

Drawing and Painting II

Drawing and Painting I

3D Art & Design

*(There is a $15 fee for All Art classes.)*

**INTRODUCTION to ART and DESIGN (**WHS0310P5**)**

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

Introduction to Art focusing on fundamental skill development and a broad understanding of the basic concepts of Art and Design. Both 2D and 3D media will be utilized as students learn how to both recognize and apply the Elements of Art and Principles of Design in their own work.

**DRAWING & PAINTING I and II** (WHS0324P5 & WHS0325P5)

**Grade: 9,10,11,12 Length: 1 Semester Level: General Credit: ½**

**Pre-requisite: Intro to Art and Design**

Concentration on student skill development with 2-dimensional drawing media. Students will engage in the utilization of a variety of drawing materials, including: graphite, charcoal, colored pencil, marker, ink, silverpoint, and pastel. Specific techniques will be discussed and applied. Historical aspects of drawing, including different styles and artists, will be introduced and discussed throughout the semester. Students will focus on still-life, landscape, human figure, and creative abstraction. Concentration on student skill development with 2-dimensional painting media. Students will utilize a variety of painting materials, including: acrylic, watercolor, gouache and oil. Students will work both from reference materials as well as creatively. Historical aspects of painting, including different styles and artists, will be introduced and discussed throughout the semester.

**3D ART & DESIGN (WHS0309P5)**

**Grade: 9,10,11,12 Length: 1 Semester Level: General Credit: ½**

**Pre-requisite: Intro to Art and Design**

Concentration on student development in 3-dimensional media. Students will work exclusively with 3D materials in order to deepen their understanding of how form, space, texture and scale are interdependent upon one another in a sculptural work of art. Historical styles and artists will also be visually explored and discussed throughout the semester.

Intro to Art

Department of Fine Arts

**DIGITAL PHOTOGRAPHY/GRAPHIC DESIGN** (WHS0323P5)

**Grade: 9,10,11,12 Length: 1 Semester Level: General Credit: ½**

A workshop course in the use of digital cameras for photography, including how to professionally edit images in Adobe Lightroom and Adobe Photoshop. A study and application of graphic design as it pertains to both decorative and commercial art. Students will explore the world of design through the use of both hand-drawn imagery as well as computer aided graphics. Historical styles and artists will be visually explored and discussed during the semester. *There may a $50 fee for this course.*

**PRINTMAKING I** (WHS0318P5)

**PRINTMAKING II (WHS0321P5)**

**Grade: 9,10,11,12 Length: 1 Semester Level: General Credit: ½**

**Pre-requisite: Intro to Art and Design**

A survey of the many different types of printmaking with emphasis on student creativity. Students will experience printmaking techniques of silk-screening, silk aquatint, etching, mezzotint, monotype, linoleum block printing, lithography, drypoint and collography. Historical styles and artists will be visually explored and discussed during the semester.

**CHORUS** (WHS0301P1)

**Grade: 9, 10, 11, 12 Length: 1 year Level: General Credit: 1**

This course includes the basics of music, and the performance of vocal music. Participation in festivals, concerts and contests is required throughout the year.

**BAND** (WHS0302P1)

**Grade: 9, 10, 11, 12 Length: 1 year Level: General Credit: 1**

**Prerequisite: Experience with an instrument and Approval of Instructor**

General Band courses develop students’ technique for playing brass, woodwind, and percussion instruments and cover a variety of non-specified band literature styles.

Department of Foreign Language

**SPANISH I** (WHS0201P1)

**Grade: 9, 10, 11, and 12 Length: 1 year Level: General Credit: 1**

**Prerequisite: C or better in English or teacher approval**

This basic course in the Spanish language will enable the student to learn vocabulary and grammar. Beginning conversation and short reading selections are also included in the class. Throughout the year students will be exposed to various aspects of the Hispanic culture.

**SPANISH II** (WHS0202P1)

**Grade: 10, 11, and 12 Length: 1 year Level: General Credit: 1**

**Prerequisite: Spanish I**

Building upon the basics learned in Spanish I, this course will expand the student’s vocabulary and grammar and introduce additional verb tenses. More conversations will be presented and used, as well as working with additional reading selections. Continued exposure to the culture of Spanish-speaking countries is included.

**SPANISH III** (WHS0203G1)

**Grade: 11, 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Spanish II**

Greater emphasis will be placed on reading and translation as well as conversation. Additional vocabulary and grammar will be introduced and reviewed. Several types of Spanish literature, including magazines and newspaper articles will be used to reinforce vocabulary and culture.

**SPANISH IV** (WHS0204G1)

**Grade: 12 Length: 1 year Level: Honors Credit: 1**

**Prerequisite: Spanish III**

As an advanced intermediate course of study, this class will stress grammar, vocabulary and conversation in preparation of the college placement test. Reading selections from popular Spanish literature will be used, and individual projects dealing with culture, history and geography will also be a part of this class.

Spanish III

Spanish II

Spanish I

Spanish IV

Department of Industrial Arts

Woods III

Woods II

Spanish I

Woods I

Small Engines

**SMALL ENGINE TECHNOLOGY** (WHS1202P5)

**Grade: 9, 10, 11, 12 Length: 1 semester Level: General Credit: ½**

This course is designed to introduce the student to the design and construction of the various piston type internal combustion engines. This covers theory of operation, design, maintenance and overhaul for small two-stroke and four-stroke cycle engines utilizing various types of fuel. Laboratory experiences include the disassembly, inspection, measurement, testing and re-assembly of small piston engines.

This course is recommended for all people owning and operating small engines (lawn mowers, power lawn mowers, etc.) and anyone planning a career in small engine or automobile service. Students are required to bring materials needed for project construction.

**INDUSTRIAL ARTS** (WHS1201P1) - *$20 Lab Fee*

**Grade: 9, 10, 11, 12 Length: 1 year Level: General Credit: 1**

An orientation course related to industrial technology covering areas such as drafting transportation, electricity, and woodworking. Individual projects are designed and constructed with various materials. Students are required to bring materials needed for project construction.

**PRINCIPLES OF CONSTRUCTION (WOODS I)** (WHS1203P5) - *$25 Lab Fee*

**Grade: 10, 11, 12 Length: 1 semester Level: General Credit: ½**

Construction Technology is a course designed to foster an awareness and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in processes, tools and equipment, computers, safety development, production planning, mass production, marketing and services are included

Students are required to bring adequate materials to complete required shop projects.

**BASIC SKILLS CONSTRUCTION WITH LAB** (WOODS II) (WHS1205P1)

**Grade: 10, 11, 12 Length: 1 or 2 semesters Level: General Credit: ½ or 1**

**Prerequisite: Woods I or Industrial Arts**

This course is an introduction to experiences related to the basic process of erection and installation of residential buildings and related fixtures. Planned learning activities will allow the student to become knowledgeable of basic fundamental principles and methods and to develop technical skills.

Students are required to bring adequate materials to complete required shop projects.

Auto Mechanics II Lab

Auto Mechanics II

Industrial Arts

Auto Mechanics I

**ADVANCED SKILLS OF CONSTRUCTION WITH LAB** (WOODS III) (WHS1206P1)

**Grade: 10, 11, 12 Length: 1 or 2 semesters Level: General Credit: ½ or 1**

**Prerequisites: Sophomores who have taken Industrial Arts or Woods I and Woods II**

This course reinforces experiences related to the basic process of erection-installation of residential buildings and related fixtures. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to masonry, carpentry and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local state and national codes, cost estimation, and blueprint reading.

Students are required to bring adequate material to complete required shop projects.

**AUTO MECHANICS I** (WHS1207P1)

**Grade: 10, 11, 12 Length: 1 year Level: General Credit:1**

**Prerequisite: Student must possess a valid driver’s license, 10th grade students must possess a valid driver’s license by the start of the school year.**

This course is designed to introduce the student to the design and construction of the various piston type internal combustion engines. This covers the operation design, maintenance of 4 cycle gas engines. Other areas of the automobile will be covered in the classroom as well as the practical application in the shop. Students will be required to provide an automobile for shop exercises.

**AUTO MECHANICS II** (WHS1208P1)

**AUTO MEHCANICS II LAB** (WHS1209P1)

**Grade: 11, 12 Length: 1 year Level: General Credit: 2 (two class periods)**

**Prerequisite: Student must possess a valid driver’s license. Students must enroll in both class and lab at the same time.**

This vocational course prepares the student to enter the world of work as an auto mechanics. It is an excellent course for the serious enthusiast, as well as the potential automobile mechanic/technician. Major emphasis will be on trouble-shooting, repair, and service on multi-cylinder engines. Engine electrical systems, fuel systems, emission systems and accessories will be covered. Laboratory exercises will concentrate on application and use of testing equipment for diagnosis and tune-up of the engine and related systems. The field of auto body repair is also covered in this class as a major area of study. Students will be required to complete at least one body project during this phase.

**CREATING ENTREPRENEURIAL OPPORTUNITY (WHS0818G2)**

**Grade: 12 Length: 1 year Level: Honors Credit: 2**

CEO is a year-long course designed to utilize partnerships that provide an overview of business development and processes. The local business community partners with area schools to create project based experiences for students by providing funding, expertise, meeting space, business tours and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own business. Business concepts learned through the experiential CEO class are critical; the 21st century skills of problem solving, teamwork, self-motivation, responsibility, higher order thinking, communication and inquiry are at the heart of student development throughout the course. The class meets for 1 ½ hours each school day from 7:30-9:00 am in a variety of businesses. The class is facilitated by a local resident and completely supported financially by our CEO Business Investors. This course counts as the Consumer Ed requirement for graduation.

Other Electives

SPECIAL EDUCATION COURSES

*The courses offered through the Department of Special Education are open to students who have been placed into special education. Students are placed into Special Education classes after being determined eligible for services through the administration of a psychological evaluation, professional staffings, and the development of an Individualized Education Program (IEP). Special Education courses vary due to student’s needs. Many course are co-taught with a special education and General education teacher.*

*Special Education English…32*

*Special Education Math…33*

**WRITING** (WHS1027F5)

**Grade: 10, 11, 12 Length: 1 semester Level: Basic Credit: ½ Prerequisite: Recommendation of the IEP team**

This course is designed to strengthen basic writing skills. Students will develop an understanding of how to develop well written sentences, paragraphs, and essays. Students will be taught proper outlining techniques and well as research techniques. They will use proper documentation methods in their research essays.

**SPEECH** (WHS1028F5)

**Grade: 10, 11, 12 Length: 1 semester Level: Basic Credit: ½**

**Prerequisite: Recommendation of the IEP team**

This course is designed to improve the student’s ability to select and narrow an appropriate topic for a public speaking situation. The student will learn how to conduct research on the topic and use that research to develop a speech. Both formal and informal communication skills are discussed. Each student will prepare and deliver a minimum of six speeches ranging from informal communication to a formal informative speech, persuasive, and demonstrative speech. Proper documentation methods will also be used.

**ENGLISH I** (WHS1002V1), **ENGLISH II** (WHS1003V1),

**ENGLISH III** (WHS1004V1), **ENGLISH IV** (WHS1005V1)

**Grade: Open Length: 1 year Level: Basic Credit: 1**

**Open: Students in special education upon recommendation of the IEP team**

These courses are designed to help strengthen basic language arts and reading skills needed for independent living. Vocabulary, reading comprehension and recognition, grammar, writing, study skills, library skills and communication skills are taught.

**ENGLISH I** (WHS1002F1)

**Grade: 10, 11, 12 Length: 1 semester Level: Basic Credit: ½**

This course is designed to build upon students' prior knowledge if grammar, vocabulary, word usage, and the mechanics of writing. Students will work on improving their writing skills for school and daily living. Students will also be exposed to various genres of literature including short stories, novels, and plays.

**READING** (WHS1026V5)

**Grade: 9, 10, 11, 12 Length: 1 Semester Level: Basic Credit: ½**

**Prerequisite: Recommendation of IEP team**

Students will work on reading comprehension through the use of journal articles, short stories, and other Library resources. Quizzes and tests will be used to evaluate the understanding of materials presented. Students may be required to write short paragraphs based on the reading topics presented.

Special Education English

Special Education Math

**Pre-Algebra** (WHS1009R1)

**Grade: Open Length: 1 year Level: Basic Credit: 1**

**Prerequisite: Recommendation of IEP team**

Pre-Algebra is designed to acquaint a student with the principles of algebra, algebraic symbols and notations, and the necessary arithmetic operation.

**ALGEBRA I** (WHS1010R1)

**Grade: Open Length: 1 year Level: Basic Credit: 1**

**Prerequisite: Recommendation of the IEP team**

The individualized study of basic structure of the real number system and it’s concepts including equations and graphs.

**GEOMETRY** (WHS1011R1)

**Grade: Open Length: 1 year Level: Basic Credit: 1**

**Prerequisite: Recommendations of the IEP team**

This course provides an individualized study of the basic geometric concepts and theorems including area and perimeter.

Business Math



Any questions about course descriptions or selections please contact Mrs. Lashmett.

217-742-3151 x 205

CLashmett@Winchesterschools.net

Place Logo Or

Company Name Here