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Whiteoak High School

Course Description Handbook

Whiteoak High School
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2009-2010 School Year

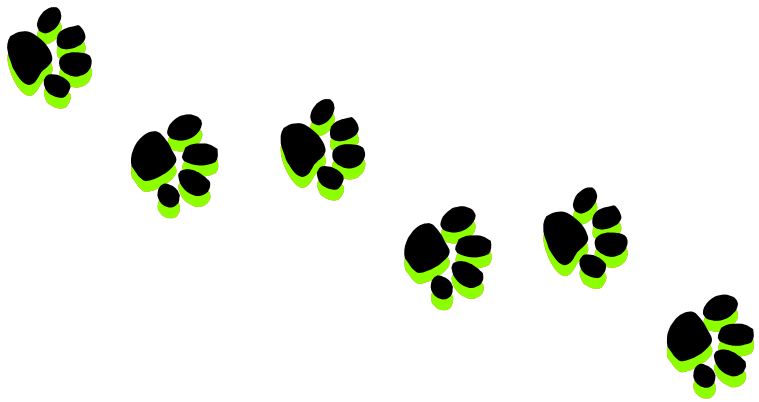
Graduation Requirements

Whiteoak High School's main educational purpose is to provide students an education that will be useful to them after graduation from high school. The students, along with the assistance of their parents, the guidance counselor, and the principal, should select the type of course work that will fit their needs.

The information that follows will provide the students with sample programs or tracks that they can follow. Listed below are the requirements needed for graduation from Whiteoak High School.

** **A total of 20 credits is needed to graduate.** Prerequisites are established for many courses. Credit-deficient students may or may not be permitted to retake a course due to enrollment numbers. Students failing a course are not guaranteed a place in the course in the following year. Credit-deficient students will need to work closely with the principal and guidance counselor to explore options such as summer school and correspondence courses.

4 Units of English	3 Units of Math
3 Units of Social Studies	1/2 Unit of Physical Education
3 Units of Science	1/2 Unit of Health



Classes I need to take next year:

1.
2.
3.
4.
5.
6.
7.

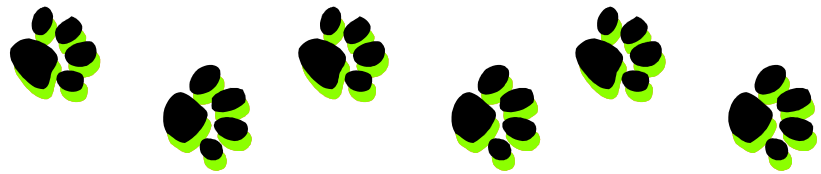
Questions, Comments, Notes:

Freshman: English
Math, Algebra I, or elective
Physical Science or elective
Physical Education and Health
World History

Sophomore: Completion of 5 credits
English 10
Physical Education
Biology or Life Science
Math, Geometry, or elective
American History

Junior: Completion of 10 credits
English 11
American Government/Economics
Science

Senior: Completion of 15 credits
English 12



Graduation Requirements for Southern Hills Career Center

Math– 2 Credits	P.E. 9– 1/4 Credit
English 9-1 Credit	P.E. 10-1/4 Credit
English 10-1 Credit	Health– 1/2 Credit
English 11-1 Credit	Science-2 Credits
Social Studies–2 Credits	Electives-2 Credits

Total Credits– 20

Honors Diploma Requirements

In order for a senior to be eligible for a diploma with honors, the student must meet any 8 of the following 9 criteria:

1. Four units of English
2. Three units of Mathematics that include Algebra I, Algebra II, and Geometry or complete a three-year sequence of courses that contain equivalent content.
3. At least three units of science that include instructional emphasis on the physical, life, earth, and space sciences.
4. Three units of Social Studies.
5. Either three units of one foreign language or two units each of two foreign languages.
6. One unit of Fine Arts.
7. Either one unit of business/technology and two additional units in (a) through (f) above or earn three additional units, in (a) through (f) above.
8. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year.
9. Obtain a composite score of 27 on the American College Testing (ACT) tests or an equivalent composite score on the Scholastic Assessment Test (SAT)

****If you have any questions, please see the guidance counselor.***

Spanish III

Prerequisite: Passing grade in Spanish I and II.

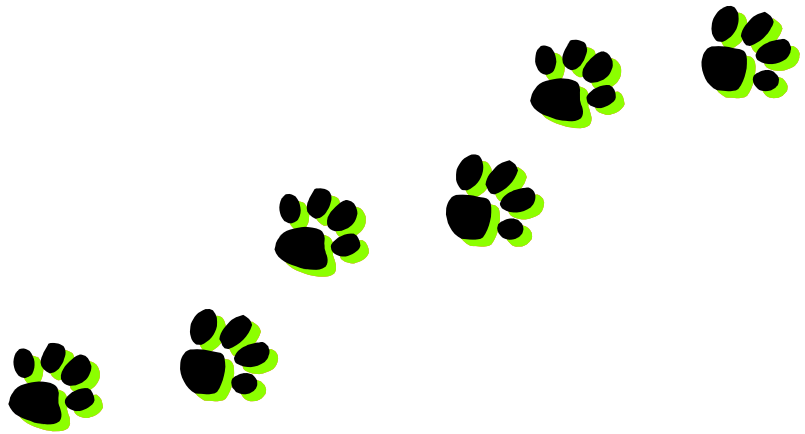
Note: Spanish III is usually required for an Honor's Diploma. Continues to explore the Spanish language. Grammar is studied in -depth. Oral fluency is developed.

U.S. History (1861-Present)

This course begins with a review of the Civil War then covers the following time periods: Reconstruction, American Expansion, the Wild West, Industrialization, World War I, the Roarin' 20's, Great Depression, World War II, Cold War, Korean War, Civil Rights, Kennedy's Assassination, Vietnam War, Watergate, Persian Gulf, 911 Attack, Iraqi War, and events leading up to present day America.

World History

This course studies world history from 1750 to the present. It begins with the Enlightenment followed by the French Revolution, Industrialization, Imperialism, World War I, World-wide Depression, World War II, Cold War, Fall of Communism, and the Conflict in the Mid-East.

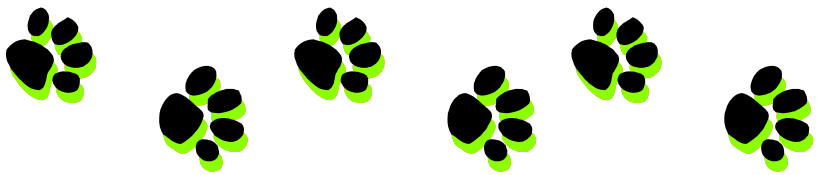


Readings in Dramatic Literature
Offered in Alternative Years with Classics
Students learn the history of the theatre and its impact on various cultures, research plays and playwrights, and read a variety of performance pieces including *Inherit the Wind* and *Hamlet*. Lots of cooperative learning opportunities focus on analyzing plays and films, different styles of performance and technical aspects of theatre, such as costuming, makeup, lighting design, and scene painting. Class may work with the Drama Club on a performance project and take a field trip.

Physical Science
Prerequisite: 9th Grade Standing
This course is designed to be an introductory course exploring the areas of physics and chemistry. The course content contains a balanced presentation of basic concepts and practical application of chemistry and physics. Topics covered in physics include atomic structure, chemical reactions, the periodic table, elements, chemical names and formulas, and bonding. Some of the major objectives of the course are for the students to develop organizational skills to use critical thinking techniques, and to use the scientific method to solve problems.

Spanish I
An introduction to oral, written, and read Spanish. The cultures and lifestyles of Spanish-speaking countries are studied. Please note: 2 years of a foreign language are required by most colleges.

Spanish II
Prerequisite: Passing grade in Spanish I.
A more in-depth study of the language and countries. Oral language is developed. Prerequisite: Passing grade in Spanish I.



POST SECONDARY ENROLLMENT OPTION

The purpose of the post secondary enrollment option program is to provide high school students who are intellectually and socially capable of the opportunity to earn college and high school graduation credit through successful completion of college courses.

**** See guidance counselor for student criteria for admission to Post Secondary Enrollment Option Program.***

CREDIT DEFICIENCY

Students who are credit deficient in any of the core classes (English, Math, Science, and history) have the option of correspondence study class or summer school to make up their credits. Students and parents can contact the school counselor for more information about the option. Students in grades 9-11 are strongly encouraged to take summer school classes to make up any of their credits. Students entering 12th grade who are more than two core credits deficient are encouraged to do correspondence study.

CORRESPONDENCE

Note: Correspondence courses are priced according to each class.
Materials are sent directly to the student's home address and they submit the assignments to the company to be graded. A final exam is sent to the school counselor and the student takes the exam with him/her. Then, the exam is sent to the company to be scored. The school and the student will receive the grade for the class and credit will then be issued.

VIRTUAL LEARNING

Done solely on the computer. The student is responsible for having access to use a computer.

**** More information about these options and summer school can be gained by contacting the school counselor.***

Advanced Math

Prerequisite: Algebra I, Geometry, Algebra II.

This course moves deeper into math skills. Emphasis is placed on Trigonometry and Analytical Geometry, Matrices, and Determinants.

AG ED I

Requirements: SAE Project, 30 hours home and/or community development.

This course focuses on the basic scientific principles and processes related to the production of plants and animals for the food and fiber systems. Topics of instruction include basic understanding of the livestock/poultry industry and its various components, career opportunities, soil science, crop science/agronomy, weed science, basic agricultural machinery and wood working, environmental stewardship, and leadership/personal development. Skills in math and biology are reinforced in this course. Worked-based learning strategies appropriate for this course are agriscience projects, internships, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of industrial competencies.

Ag Ed II

Prerequisite: Ag Ed I

Requirements: SAE Project, 30 hours home and/or community development.

This course provides instruction that expands the scientific knowledge and technical skills gained in Agricultural Production I with heavy emphasis on topics including pesticide use and safety, herbicide use and safety, wildlife habitat concerns, irrigation, agricultural equipment technology and safety, global industry issues, career planning, and basic woodworking and welding skills. Skills in algebra and biology are reinforced in this course. Work-based learning strategies appropriate for this course are agriscience projects, internships, and supervised agricultural experiences. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of industrial competencies.

Microsoft Advanced Computer Applications

Prerequisite: C or higher in Computer Applications

Students will perform advanced functions utilizing Office XP software to create projects in Word, Excel, Access, and Power Point. In addition to using the text book, students will be working in groups to perform projects such as: producing the athletic program booklet in Publisher, prepare tutorials in PowerPoint to teach elementary students, prepare and teach a course on computer basics to adults in our community through the Learn and Serve program, and produce the graduation slide show using Photoshop Elements 3 and Movie Maker software.

Music Appreciation

This class is for students grades 9-12. This class is an overview of the basics of music notation, chords, key signatures, and scales. Students will learn to write music and analyze what they are listening to. We will also cover some basic music history.

Physics-CP

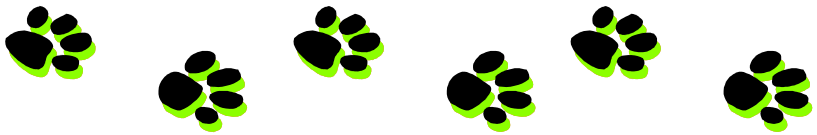
Prerequisite: C or better in Chemistry and/or recommendation of instructor.

A senior course that emphasizes concepts of forces and motion. They learn to apply principles of forces and motion to mathematically analyze, describe, and predict the net forces and motion of objects or systems. Students also explore science research, scientific literature, and the relationship of science and society.

Psychology

Prerequisite: College prep, Junior or Senior standing.

Psychology is a survey course that covers the biological, neurological, and cognitive principles of the discipline. Topics covered include: the five senses, the nervous system, consciousness, perception, cognition, maturation, and major mental illness.



Management Transitions
Assess values and resources that support lifestyle goals, effective time management plans, stress management, multicultural awareness that sustains a productive, meaningful lifestyle. Choose resources that meet individual, family and business financial goals, credit and debt issues.

Life Science
Prerequisites: completion of Physical Science and 10th grade standing.
This course is an introduction to the study of living things using a wide variety of activities to investigate the concepts of life science from the molecular level to ecosystems. Students will survey the diversity of organisms that make up the living world. Topics include cell biology, chemistry of living things, genetics & heredity, adaptations, and biological classification. Emphasis is on critical thinking skills, use of the scientific method, and the manipulation of qualitative and quantitative data.

Life Skills Mathematics 12

A class for seniors that goes into depth on the subject of banking, credit, taxes, buying a house, buying a car, etc.

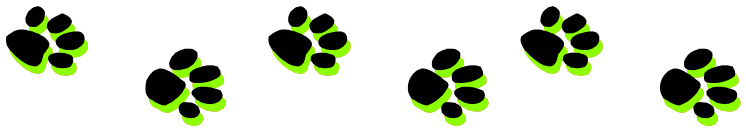
Media Skills
Prerequisite: Computer Coursework
An introduction of media resources and equipment used in library setting from the past, present, and future. Students gain knowledge and skills in utilizing basic references and information sources in print and electronic formats. Students will create and maintain the school webpage.

Microsoft Office XP Computer Applications

Students will use introductory text for Office XP to learn applications in Word, Excel, Access, Power Point, in additional students will learn Publisher and Photoshop 3 Elements. Projects will be supplemented with assignments from the teacher based on current events.

Ag Ed III
Prerequisite: Ag Ed II
Requirements: SAE Project, 30 hours home and/or community development.
This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science and agribusiness. Topics of instruction include agriculture awareness and literacy, leadership and FFA, employability skills and introduction to all aspects of the total agriculture industry. Skills in biology, language, writing, computers, mathematics, and physics are reinforced in this course. Work-based learning strategies appropriate for this course are agriscience projects, internships, and supervised agriculture experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of industrial competencies.

Ag Ed IV
Prerequisite: Ag Ed II
Requirements: SAE Project, 30 hours home and/or community development.
This course builds on the topics covered in Ag Ed III. Topics of instruction include agriculture awareness and literacy, leadership and FFA, employability skills and introduction to all aspects of the total agricultural industry. The shop will be used for woodworking and welding classes as well as agriculture machinery repair and maintenance. Skills in biology, language, writing, computers, mathematics, and physics are reinforced in this course. Work-based learning strategies appropriate for this course are agriscience projects, internships, and supervised agricultural experience. Supervised agriculture experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of industrial competencies.



Anatomy and Physiology

Prerequisite: C or better in Biology and/or recommendation of instructor.

This is a senior course on structure and function of the human body. Topics to be discussed are: terminology and orientation of anatomy and physiology, cellular function, tissues, integumentary system, skeleton system, and muscular system. All body systems will be covered through lecture, demonstrations, visuals, and hands-on laboratory work, including dissection.

Art 1, 2, 3, 4

These courses are designed for the student who likes to do in depth studies in drawing, painting, printmaking, sculpture, new media, and crafts. Students will be expected to do detail work in all medias. Students will be expected to understand the elements and principles of art. Students will be expected to bring a list of art supplies to class.

Band

Prerequisite: Participation in elementary band program, unless special arrangements are made for private instruction.

This class is for grades 8-12. Students will continue learning their instruments. Students are required to participate in 3 parades, 10 home basketball games, and 2 concerts. These events take place after school. Students can also participate in Solo and Ensemble contests, honor bands, and our yearly trip out of state.

Biology CP

Prerequisite: C or better in CP Physical Science and/or recommendation from instructor.

A sophomore course that emphasizes concepts, principles, and theories, concerning living organisms. Students explore cellular structure and function, the flow of energy and cycling of matter through biological evolution and the diversity and interdependence of life. Students also examine the historical development of scientific theories and the basic scientific process of inquiry. This course is very detail oriented and focuses primarily on processes as they occur at the cellular level.

Healthy Living

Develop practical problem solving that influences cultural and social factors that affects the body weight and healthy lifestyles. Demonstrate safe food handling practices related to food-borne pathogens and kitchen environments. Use time management strategies, decision-making skills, peer pressure and multi-cultural awareness that relate to educational, work and family goals that sustain productive, meaningful lifestyles.

High School Reading

This course strengthens reading comprehension skills, increases vocabulary, develops background knowledge, and builds literary interests through reading age-appropriate novels and supplementary materials.

Integrated Math III

This course concentrates on giving the students the tools to become a better consumer and to better understand the mathematics necessary for everyday life. These skills will incorporate the Ohio State Mathematics Standards.

Junior High Band

Prerequisites: Participation in the elementary band program, unless special arrangements are made for private instruction.

This class is for grade 7 students. This class will continue to teach the basics of instrumental music. These students will participate in a parade and have 2 concerts. These events will take place after school. Students can also participate in solo and ensemble contests, and honor band.

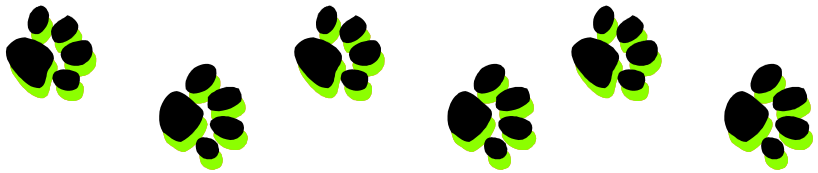
Journalism

In this course students will be involved with the yearbook and school newspaper. The course is a business, in which the students will be keeping records, taking pictures, selling ads, selling yearbooks, and writing weekly news articles about events and activities going on in the school for the school and local newspapers. Students will have to take pictures at after school events.

Geometry 10
Students may not enroll in this class unless they have successfully completed General Algebra 9. This class will introduce basic geometry concepts such as learning to use correct symbols to represent points, lines, planes, triangles, and angles, as well as other geometric figures. The students will do an intense study of parallel lines, triangles, other polygons, and circles. Some emphasis will be given to writing formal and informal proofs. Great detail is given to the benchmarks that are recognized on the Ohio Graduation Test.

Geometry 9 CP
Prerequisite: Must have successfully completed Algebra 8 with C or better.
This class will introduce basic geometry concepts such as learning to use correct symbols to represent points, lines, planes, triangles, and angles, as well as other geometric figures. The students will do in-depth study of parallel lines, triangles, other polygons, and circles. Much emphasis will be given to writing formal and informal proofs. The students are expected to analyze sketches and use their knowledge of algebra to solve an array of problems. Great detail is given to the benchmarks that are recognized on the Ohio Graduation Test.

Government
Prerequisite: Junior or Senior standing.
Government covers the philosophical foundations of American government found in the U.S. Constitution as fundamental law. It explains the relationships between levels of government, the branches found within them, and a system of checks and balances. Curriculum includes an analysis of the internal functions as well as its application and interactions with the people resulting in political organization and policy.



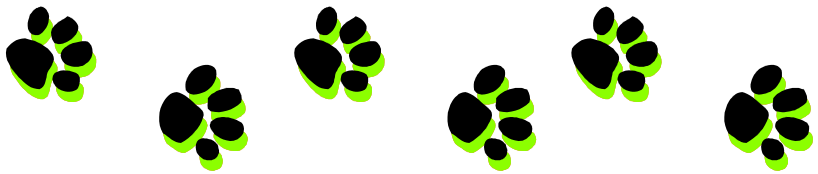
Calculus
Prerequisite: Algebra 1 and 2, Geometry, and Advanced Math.
This course deals with two types of calculus: differential and integral. Calculus is the mathematics of change-rates of change, slopes and total changes of area.

Chemistry CP
Prerequisite: C or better in Biology and/ or recommendation from instructor.
A Junior course that emphasizes concepts surrounding the nature of matter and energy. Students explore, in detail, atomic structure, physical and chemical properties of matter, development and use of the periodic table, and chemical reactions at an atomic/ molecular level. Students also examine the historical development of many scientific theories and the processes of scientific inquiry.

Child Development
Provide students with knowledge of how parents and child care providers meet the needs of infants and young children to provide for healthy growth and development.

Choir
This class is for grades 9-12. Students will learn to sing in 3 part harmony and learn the basis of vocal production. There will be opportunities for solos. These students will have 2 concerts, which are after school.

Classics
Offered in Alternate Years with Readings in Dramatic Literature; recommended for Freshman and Sophomores.
This course uses Greek and Roman mythology, creation stories, fairy tales, fables, plays, modern stories, and a vocabulary workbook to expand students' vocabulary and understanding of the development of the allusions used in much of the literature read in English classes throughout high school. Group learning is emphasized.



Current Events/Speech
Prerequisite: Junior or Senior standing.
This course provides students with the skills and knowledge necessary for analyzing and evaluating local, state, and world events. It covers a broad range of topics in order to develop skills for obtaining information, thinking and organizing, problem solving, and communicating information.

English 9
The class reads *Great Expectations, A Raisin in the Sun, Romeo and Juliet,* and a variety of short stories and poetry. Emphasis is on grammar and writing methods.

English 10
The class reads *Ashes of Roses* and *Night*. Literature survey course with the overall theme: how we see ourselves; how other see us. Lots of focus on grammar, writing, and reading for OGT preparation.

English 11

Not required to write research paper. Write class directory.

English 11- CP
World Literature. Class will write research paper with works cited and end line citation (MLA style), five paragraph essay, and read *Lord of the Flies*, *The Pearl*, and *The Great Gatsby*.

English 12
Senior Standing
Students will read *Tales of the Round Table, October Sky,* and one book chosen by the student, as well as various informational texts. Focus on writing and research for presentations and business applications. Public speaking required. Students work on the STAR lab project.

English 12 CP British Literature
Prerequisite: 3.0 average in English 9-11.
This class is intended for college bound students and its goal is to prepare students to write and analyze literature at the college composition 101 level. Students will read *Becket, A Christmas Carol, Macbeth* or another Shakespearean play, and one work from the Romantic period, as well as British history. Questions and discussion focus on Advanced Placement level work. This class also participates in both the Voice of Democracy and the Rotary 4-Way Test speech/essay contest. Students work on the STAR lab project. Students are expected to study some works independently: public speaking required. Capstone Project.

Environmental Science
***Prerequisite*: Completion of physical science and 11th or 12th grade standing.**
This course is a study of the earth as our environment, its contents, energy, and systems, and how all these affect human and animal life. Students will expand their study of both the physical and living environments. Topics include the biosphere, ecological interactions, biomes, resources, human impacts, and current issues. Students will consider how their actions affect the world around them. A variety of activities will incorporate the use of the internet and supplemental readings and will encourage students to consider how their actions affect the world around them

Financial Management I
Course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include saving and investing, credit, insurance, spending patterns and budget planning, contracts, and consumer protection.