



Woodmore High School Course Description Guide 2025-26

Mission Statement: Woodmore Local Schools strives to create the necessary climate and conditions to prepare each student with the knowledge and values to succeed.

Vision Statement: In partnership with home and community, the vision for Woodmore High School is to achieve a 100% graduation rate, prepare each student to be college and career ready and build a solid foundation in 21st century skills.

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Note: Due to scheduling constraints and staffing and funding, course offerings and other items in this Course Description Guide are subject to change after the time of publication. Course fees are also subject to change, however these changes are usually minimal.



Woodmore Programming

This course description guide has been prepared for students and their parents in an effort to assist students in determining the courses which not only satisfy requirements, but best suit the individual's goals, interests, aptitudes and abilities. To assure the greatest possible school success, each student should consider his/her aptitudes and future plans before selecting courses. Decisions made today may well influence the level of success an individual will experience in future educational and/or employment endeavors.

Opportunities will exist for parents as well as students to consult with counselors regarding concerns not addressed in this booklet or for issues needing clarification. Group counseling sessions and individual conferences are scheduled for this purpose. Education is the means by which we are prepared to fulfill our roles as individuals and responsible members of society. It is the student's responsibility to take advantage of these educational opportunities and to achieve his/her potential.

The courses listed in this course description guide represent the current course options for Woodmore High School students. **The courses scheduled are dependent on approval by the Board of Education, enrollment numbers, and availability of personnel.**

Interpretation of the Course Descriptions

Course Descriptions are provided which briefly summarize goals, objectives, and general content of each course offered in Woodmore's curriculum. Reading these descriptions should assist students and parents in the course selection process.

Course Prerequisites and Grade Levels are listed for each course described. These prerequisites and grade level recommendations should be viewed as guidelines for the course selection process.

Course Length (semester or full year) and the **credit value** for each course are also provided. Students should verify their credit status in relation to graduation requirements. (See graduation requirements below)

Woodmore's Graduation Requirements

All Woodmore graduates earn a minimum of twenty- four (24) credits. Graduation credit requirements include:

- Four (4) credits in English-English I, II, III, IV; or equivalent
- Three (3) credits in Social Studies (to include Modern World History, American History, Economics & American Government)
- Four (4) credits in Mathematics; to include: Algebra I, Geometry, Algebra II and an additional math.
- Three (3) credits in science; (inquiry- based laboratory experience) to include: Physical Sciences, Biology, advanced study in one or more of the following: Chemistry, Physics, or other Physical Science, Advanced Biology or other Life Science.
- One-half (1/2) credit in health;
- One-half (1/2) credit in physical education (this requirement requires two semesters of PE to be taken and passed);
- One-half (1/2) credit in Financial Literacy course
- Nine (9) elective credits, one of which must be Fine Arts.

Diplomas and Graduation

All students must have fulfilled all graduation requirements in order to earn their diplomas and participate in graduation exercises. This means earning 24 credits or more in the described subject areas and passing all parts of required state tests. Students who wish to go through graduation must notify, in writing, how they want their name to appear on the diploma by January 1st of each year and must fulfill all financial obligations due the district. All students who wish to go through the graduation ceremonies must have a cap and gown and attend MANDATORY graduation practice. In special circumstances a student who cannot be at graduation practice, must get approval from the principal prior to practice.



Midyear Graduation

Senior midyear graduation will be offered to Woodmore High School students. To qualify, students must meet the following criteria:

1. A written request must be initiated, and then approved by the parent, prior to the beginning of the student's seventh (7th) semester.
2. The student must have maintained acceptable attendance and academic performance.
3. The student and parent must present an acceptable purpose or goal.
4. The student must have completed all graduation requirements set forth by the Woodmore Board of Education.
5. The written request must be approved by the high school principal following a conference with the student, parent, and guidance counselor.
6. Upon midyear separation, students will relinquish their rights to participate in all school activities.
7. The student is encouraged, but not required, to participate in the commencement exercise.

Honors Diploma Requirements

<u>Academic Honors Diploma</u> Students need to fulfill all but 1 of the following:		<u>Career- Technical Honors Diploma:</u> Students need to fulfill all but 1 of the following:	
Grade Point Average	3.5 on a 4.0 scale (unweighted)	Grade Point Average	3.5 on a 4.0 scale
ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)	ACT/SAT/WorkKeys	27 ACT/1280 SAT 6 or higher on all 3 sections of WorkKeys assessment
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and 1 other higher level course	Math	4 units, including Algebra I, Geometry, Algebra II or equivalent and 1 other higher level course
Science	4 units that include 2 units of advanced science	World Language	2 units of one world language
Social Studies	4 units	Career-Tech Coursework	4 units
World Language	3 units of one world language or not less than 2 units each of 2 world languages	Career-Tech Proficiency	Earn a cumulative score of proficient or higher on the technical assessments
Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal	Seal Requirements	Meet requirements to earn the Industry Recognized Credential Seal or Technology Seal
Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning	Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

*Students can use OMJ Readiness Seal in 2 additional seal requirements if it is not used in Experiential Learning.



Arts Honors Diploma Students need to fulfill all but 1 of the following:		International Baccalaureate Honors Diploma Students need to fulfill all but 1 of the following:	
Grade Point Average	3.5 on a 4.0 scale (unweighted)	Grade Point Average	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)	ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and 1 other higher level course	Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and 1 other higher level course
World Language	3 units of 1 world language or no less than 2 units each of 2 world languages	Science	4 units, including 1 unit of advanced science
		Social Studies	3 units
		Biliteracy Seal	Meet requirements to earn the Biliteracy Seal
		World Language	3 units of 1 world language or no less than 2 units each of 2 world languages
Fine Arts	4 units	Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning
Electives	2 units of Fine Arts (may overlap with the general 4 units)		
Fine Arts Seal	Must meet the district requirements to earn the Fine Arts Seal		
Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning		



Testing Requirements for Graduation

Ohio State Test (OST)/End of Course Tests (EOC)

Algebra I
Geometry
English II
Biology*
American History*
American Government*

*Assessments in these subjects are required to be administered but students earning less than a 700 on the assessment could earn graduation seals in another manner.

Schedule of Tests

Students will take an End Of Course (EOC) test in April-May. All students in need of a qualifying score (700 or higher) on an assessment will be expected to sit for the exam.

State Testing Requirements for 2025

Students have an opportunity to earn one to five graduation points of each End of Course test. Students in the graduating class of 2025 and beyond must earn a competency score in Algebra I and English II. Students must then earn diploma seals in 2 of the 12 available areas to show readiness for their post high school life.

Graduation Seals

Ohio law requires that students show readiness by earning graduation seals. Students should choose seals that align to their goals and interests. The Ohio Department of Education has designed the seals linked below for this purpose.

Citizenship	College-Ready	Community Service
Fine and Performing Arts	Honors Diploma	Industry-Recognized Credential
Military Enlistment	OhioMeansJobs Readiness	Science
Seal of Biliteracy	Student Engagement	Technology



Industry Recognized Credentials

In addition to helping students meet graduation requirements, earning an industry-recognized credential allows students to learn about a particular skill set or job and demonstrate mastery of skills. Students learn more deeply by practicing and applying their knowledge through work and employment experiences. They learn about workplace expectations and professional skills needed for employment, as well as learning about career pathways. Industry-recognized credentials provide an opportunity to earn a livable wage while pursuing additional education. Some industry-recognized credentials can be used as evidence of prior learning and can be awarded college credit. Students at Woodmore have the opportunity to obtain Industry Recognized Credentials in the following career fields: Agriculture & Environmental Systems, Arts & Communication, and Business & Administrative Services. [Learn more here](#)

Recommended Course Load

Students must carry a course load of 7 class periods on an 8 period day, or carry an academic load that will earn the student approximately 6.75+ credits per year. If more students than can be accommodated should request an elective, every effort will be made to give seniors preference. In rare situations students may petition for an additional period of study hall. This may be considered if a student is taking an extremely rigorous course load. (i.e. 2 or more advanced placement classes or college credit plus classes.)

Guidelines for Credit Per Year

Students in high school should earn a minimum of 6 credits per year. In order to earn credits for graduation in a timely fashion, the following is an academic guideline for minimum accumulated credits.

TO ENTER:

- Grade 9 Promoted/placed in 9th grade
- Grade 10 Accumulated total of 6 credits
- Grade 11 Accumulated total of 12 credits
- Grade 12 Accumulated total of 18 credits
- Graduation Minimum of 24 credits in specified subjects and meet one of the pathways.

Credit Recovery

If a student fails a course that is required for graduation, he/she must recover the credits through an approved program of study. A student may either attend an approved summer school program or enroll in online coursework through Woodmore's Virtual Learning Academy (VLA). A student usually will not be reassigned to recover the credit in a regularly scheduled class. Woodmore's VLA is not a free program for the district. If a student is not using VLA as intended, a student will not be placed in the VLA program for credit recovery.

Advanced Placement

Advanced Placement classes are courses developed and endorsed by the College Board. These classes are college-level courses taught by AP trained teachers here at Woodmore HS to prepare students for the AP exam. Students who are academically prepared and exhibit a strong work ethic are encouraged to take AP classes. The student is encouraged to take the AP exam in May. Based on the performance on this exam, a student may earn college credit. Please visit [AP College Board](#). This website will provide information for the student to Explore AP, Credit Policies at colleges and universities, and much more.

College Credit Plus

Eligible students can take a course and earn high school and college credit that appears on both their high school and college transcripts. Teachers who teach a College Credit Plus course in a high school must receive professional development and be an adjunct professor at a college or university. All courses offered through College Credit Plus—even courses offered in the high school—must be the same course that the college offers. The course must apply to a degree or professional certificate.



Parents and students should attend the College Credit Plus informational meeting in February and must notify their high school by April 1st of their intent to participate in this program. Whenever Woodmore offers an on-campus CCP class, every effort should be made to take that CCP class on the Woodmore campus with the Woodmore staff member.

Counseling Services

Your high school counselor can:

- Provide direct counseling services to students individually and in support groups.
- Provide education and support services to parents
- Provide consultation services to teachers
- Provide staff in-service
- Facilitate referrals to community support services
- Advise students concerning academic planning
- Provide career guidance to students
- Provide career information to parents
- Maintain an up-to-date library of career and post-secondary school information
- Network with post-secondary schools
- Serve on school and community committees addressing the needs of young people

Schedule Changes

Each year a new master schedule is created to accommodate students' course requests made during the previous school year. Requests for changes in student schedules are submitted to counselors. The school counselor will review the possibility and appropriateness of all requests. Requests must be approved by the principal. **Students and parents are asked to carefully select the courses that will best meet the needs of the students at the very beginning of the scheduling process.** A great deal of assistance is available through the guidance professionals in this process, and the student or parent need only make an appointment to receive help. These course selections are used immediately to make staff assignments for the coming year as well as to determine when the various courses will be offered. For these reasons all requests are considered final and may only be adjusted for a very good reason. We feel that students have freedom of choice regarding the classes they and their parents select for the coming school year; therefore, once choices are made, changes will be made for the following reasons only:

- The course the student requested was not offered or it was offered at a time that would not fit into the student's schedule.
- A medical, emotional, or family emergency indicates that a change is in the best interest of the child.
- The student followed the recommendations of the teacher and guidance personnel, but it is determined that he/she has been misplaced in one or more classes.
- The student has recently moved into the school district, and it has been determined that he/she has initially been inappropriately placed in one or more classes.
- The student has been scheduled into a course previously passed.
- The student has been scheduled into a course out of sequence (i.e., Spanish II before Spanish I).
- The student is found to not meet the prerequisite for a course he/she is scheduled into.
- The student fails the first semester of a year course and the teacher, counselor and principal feel that he/she should drop the second semester to pick up another course.
- The senior student fails a course required for graduation in the first semester and needs to drop a second semester course to have room to repeat the required course in the second semester.
- The student is failing a course at mid-term or quarter and the teacher feels that after considerable effort on the part of the student and the teacher that the student is still unsuccessful. Counselor and principal must concur.



Counselors may contact teachers, administrators, or parents to determine appropriateness of requests. Notification of students added or dropped will be submitted to teachers on add/drop forms. Teachers may not add or release students from classes prior to receiving notification from school counselors.

Students are to make schedule change requests by the last week of school.

Students adding classes are responsible for making up missed work. Students dropped from a class with approval will be issued a “W” withdrawal grade and receive no penalty.

Students dropped from class after the second week of the eighteen week semester will receive a “WF” on their permanent record. The “WF” will count as an “F” and will count towards their GPA and will remain on the student’s transcript. In cases where intervention has been employed, and personnel involved determine that it is not meeting the needs of the individual, the student may be dropped with a “W”

College/Career Visitation

College-bound juniors and seniors may request up to three (3) excused college visitations while in high school. Individually arranged visitations are more highly recommended than the mass campus tours. If arrangements are self-made, the counselor will request a college number and contact person for verification purposes. Completed applications must be returned to the guidance office at least three (3) days before the requested date of visit. Approval is subject to student’s attendance, grades and school events scheduled during the time of the request. The counselor may also arrange career-related visits to further enhance students’ knowledge of the world of work.

Woodmore Visual Communication Technology (VCT)

VCT, Visual Communication Technology, is a program that will use print, photography, video, and interactive multimedia as problem-solving tools in a variety of work settings. This program will operate a real world business and will be 100% student-led. This cross-curricular program will emphasize the following disciplines:

- Photography - Students will use basic art skills and apply it to photography, print, video and the web to create photographs, logos, websites, videos, banners, flyers, etc. Students will work heavily on the Woodmore Photography website to create, and edit photographs for sale. Students will document events and capture photos for the yearbook. Students will work with the community on projects to design and create products.
- Yearbook - Students will create and design layouts, write copy and feature articles, photograph student activities and sell advertisements to area businesses to create a timeless volume for the student body.
- Journalism - Students will use SNO school journalism software to develop and maintain an ongoing publication, covering school news, student life, school sports, and other varying school-appropriate topics, per the students' interests in the program. These students will develop writing skills, particularly news writing/journalism-style writing skills, collaborative skills, and research skills. The online newspaper can be found here: window2woodmore.com
- Computer Technology/Multimedia Literacy - Students will use software packages to edit photos, create original pieces, and develop 21st century digital skills. Included in these digital skills are the competence to manage information, collaborate, communicate and share, evaluate and problem solve technical operations, and develop ethics and responsibility for content.

Please sign up for VCT through one of the following classes: Photography, Yearbook, Journalism, and/or Computer Technology/Multimedia Literacy.



Agriculture Department

These courses are designed for those students who are planning or strongly considering a career in some area of agriculture such as agribusiness, horticulture, agricultural mechanics, natural resources, production agriculture or a professional agricultural area.

Ag Food and Natural Resources

9910

Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology, and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership, and business skills essential to the agriculture industry.

Grade Level: 9-12

Credit: 1

Fee: \$20

Additional .25 Credit for Supervised Agricultural Experience - graded as Pass/Fail upon completion and verified by instructor

Business Management for Agriculture and Environmental Systems

9610

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Grade Level: 11-12

Credit: 1

Fee: \$20

Additional .25 Credit for Supervised Agricultural Experience - graded as Pass/Fail upon completion and verified by instructor.

Prerequisite: 2 agricultural credit courses

Science and Technology of Food

9905

Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

Grade Level: 9-12

Credit: 1

Fee: \$20

Additional .25 Credit for Supervised Agricultural Experience - graded as Pass/Fail upon completion and verified by instructor.

Mechanical Principles

9916



Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Grade Level: 9-12

Credit: 1

Fee: \$30

Additional .25 Credit for Supervised Agricultural Experience - graded as Pass/Fail upon completion and verified by instructor

Industry Recognized Credentials Available

These classes will be online classes and will be completed without teacher instruction or intervention. They are for credit classes that will be graded on a pass/fail system. Students that take both classes and satisfactorily complete the curriculum and pass the exams with a 70% or higher will earn a 12 point industry credential. That credential, coupled with another foundational skill or supporting skill may be used to meet one of the graduation pathways for the Class of 2023 and beyond. Students that sign up for these classes may have two study halls on their schedule. One study hall will be utilized to complete the online coursework and one study hall may be used for traditional study hall purposes.

CAPSTONE ADDITION-Prerequisite: 2 agricultural credit courses

Elanco Fundamentals of Animal Science

9915E

Students will complete this course in an online setting with a pass/fail given grade at the completion of the semester. The Elanco Fundamentals of Animal Science Certification validates individuals possessing a solid understanding of animal science, including the history and practices of the livestock industry as well as common terms and terminology and livestock management practices. In addition, the certification exam assesses major topics in the animal science industry, including genetics, reproduction, and nutrition and health management. At the completion of the course a certification exam of a 100-question, randomized assessment. Exam questions are in the format of multiple choice, sort order, diagramming, matching, labeling and other question types meant to fully evaluate an individual's competency of the industry standards.

Open to 11th and 12th Grade students; 9th and 10th grade students need instructor approval

Semester 1: ½ Credit and 6 Point Industry Recognized Credential

Pass/Fail Grade upon completion of course and 70% of higher on final Exam

Elanco Veterinary Medical Applications

9917E

Students will complete this course in an online setting with a pass/fail given grade at the completion of the semester. The Elanco Veterinary Medical Applications Certification validates individuals possessing a solid understanding of animal science, including the history and practices of the livestock industry as well as common terms and terminology and livestock management practices. In addition, the certification exam assesses major topics in the animal science industry, including genetics, reproduction, and nutrition and health management. At the completion of the course a certification exam of a 100-question, randomized assessment. Exam questions are in the format of multiple choice, sort order, diagramming, matching, labeling and other question types meant to fully evaluate an individual's competency of the industry standards.

Open to 11th and 12th Grade students; 9th and 10th grade students need instructor approval

Semester 2: ½ Credit and 6 Point Industry Recognized Credential

Pass/Fail Grade upon completion of course and 70% of higher on final Exam



Art Department

* Industry-Recognized Credential available in this course

Art I **6010**
Art I surveys all the offerings of the art department such as drawing, painting, lettering, linoleum prints and ceramics. The course is geared towards students who have had no art experience and heavily focuses on the Basic Elements of Art. This course satisfies one (1) credit toward the fine arts or elective requirement for graduation.

Grade Level: 9-12
Credit: 1
Lab Fee \$20.00

Art II **6020**
Art II is designed as a continuation of Art I. This course will reinforce the Basic Elements of Art and introduce the Principles of Design. Students will strengthen their drawing skills and painting skills and expand their three dimensional awareness. This course satisfies one (1) credit toward the fine arts or elective requirement for graduation.

Grade Level: 9-12
Credit: 1
Prerequisite: Art I Lab Fee \$20.00 and approval from MS or HS Art teacher

Ceramics I-IV **6015 /6016**
Ceramics is a course provided for students who want to focus on clay production and learn about different glass techniques. Students will hand build pottery, create sculptures, and learn to throw on the wheel. They will also gain in depth knowledge of glazing and glassware. This course will run based on the individual needs of each student. Students must have completed Art I to take this course. This course satisfies half (.50) credit toward the fine arts or elective requirement for graduation.

Grade Level: 10-12
Semester - ½ credit
Prerequisite: Art I
Lab fee required: \$30.00

2-Dimensional Studies I-II **6025 /6026**
2-Dimensional Studies is a course provided for students who want to focus on drawing, painting, printmaking, photography and computer art studies. This course will run on the individual needs of each student. Students should be able to work without constant supervision and be responsible for meeting deadlines. There is a heavy focus on portfolio development and the college application process for those who need it. Students must have completed Art I and Art II to take this course. This course satisfies half (.50) credit toward the fine arts or elective requirement for graduation.

Grade Level: 10-12
Semester - ½ credit
Prerequisite: Art I, Art II
Lab fee required: \$20.00

Photography/ Digital Photography I-IV* **6045/6046**
Photography is a course provided for students who want to focus on photographic images and computer art studies. This course will have hands-on photo experiences as well as experience with digital manipulation. Students will learn limited darkroom techniques, how to make pinhole cameras, camera functions, and various computer software (Photoshop, Illustrator, etc.). They will also gain an



in-depth knowledge of composition, photo history, and competition. Students must have completed Art I to take this course. This course satisfies half (1.0) credit toward the elective requirement for graduation. ***This course is a part of the Woodmore VCT program. See page 9 for additional details.*** *Industry recognized credentials will be embedded in this course.*

Grade Level: 9-12

Credit: 1

Lab fee required: \$20.00

Business/Technology Department

* Industry-Recognized Credential in Business, Marketing, and Finance

Rise Up/Ohio Means Jobs I *

7030

This course is a training program designed to equip individuals with the essential skills needed to excel in customer service and sales roles within the retail industry, focusing on understanding customer needs, effective communication strategies, sales techniques, and building customer loyalty, all based on the NRF Foundation's "RISE Up" curriculum which aims to provide foundational employability skills for entry-level retail jobs. *Industry recognized credentials will be embedded in this course.*

Grade Level: 11-12

Semester - ½ credit

Prerequisite - Student does not meet competency/readiness requirements for graduation

Fee: \$20

Rise Up/Ohio Means Jobs II *

7032

This course students will develop basic customer service skills and math skills to conduct sales transactions. You will build an understanding of the retail industry, its impact on the economy and the diverse jobs available. And you will learn best practices for interviewing and exploring career paths. *Industry recognized credentials will be embedded in this course.*

Grade Level: 11-12

Semester - ½ Credit

Prerequisite - Student does not meet competency/readiness requirements for graduation

Fee: \$15

Computer Technology/Multimedia Literacy *

7060

This course provides an introduction to computer technology through visual communication technology. Students are exposed to multimedia development, video production, photography, and printing techniques as they relate to solving communication problems. Students will also be exposed to marketing and business in relation to visual communication. This course satisfies one (1.0) credit toward the elective requirement for graduation. ***This course is a part of the Woodmore VCT program.*** *Industry recognized credentials will be embedded in this course.*

Grade Level: 9-12

Credit: 1

PLTW Computer Science Essentials

7600

PLTW CSE introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text-based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.

Grade Level: 9-12

Credit: 1



Fee: \$25

PLTW Computer Science Principles

Needed

Students learn the fundamentals of coding, data processing, data security, and task automation, while learning to contribute to an inclusive, safe, and ethical computing culture. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

Grade Level: 10-12

Credit: 1

Fee: \$25

Prerequisite: Computer Science Essentials

Engineering / Industrial Technology Department

Note: Students will need teacher permission to take a course for a second time.

Woods I

9210

Students will be introduced to industrial tools, safety, materials, and processes. Students will study the basic concepts of manufacturing through experiences in fastening, combining, finishing, and assembling materials used in the production of manufactured goods with emphasis on woodworking. Students will be expected to complete required individual and group projects, as well as exercises and quizzes. This course satisfies one-half credit toward the elective credit for graduation.

Grade Level: 9-12

Semester - ½ credit

Lab fee and project fee is required: \$15.00

Woods II

9215

This course involves advanced skills while focusing on the design and fabrication of fine, hand built projects with the emphasis on solid wood construction. Students will gain experiences and skills with various woodworking power equipment such as a joiner, planer, table saw, and band saw, etc. Students will be required to complete a quality individual project. This course satisfies one-half elective credit toward graduation.

Grades: 9-12 (preference in scheduling will be given to upperclassmen)

Semester – ½ credit

Lab fee and project fee is required: \$15.00

Metals I

9220

Students will study manufacturing management, production, and personnel through experiences in planning, designing, and production of manufactured goods. Students will be expected to complete required individual and group projects with emphasis on sheet metal working, as well as exercises and quizzes. This course satisfies one-half credit toward the elective credit for graduation.

Grade Level: 9-12

Semester - ½ credit

Lab Fee and project fee is required: \$15.00

Metals II

9225

This course involves advanced skills while focusing on the design and fabrication of metals. Students will learn production, efficiency and safety regarding the fabrication of metals. Students will be evaluated by lab performance and will be required to design, layout,



fabricate, and weld a final project. These projects may include but are not limited to sawhorses, shelves, yard decorations, and tables, etc.

Grade Level: 9-12

Semester - ½ credit

Lab fee and project fee is required: \$30.00

Woods & Crafts I/II

9030/9031

This course is designed to provide experiences in working with craft materials. The student will learn craft designs working with different materials including, but not limited to, wood, polymers, stains, paints, molds, and different types of metals. The class is designed for the student to work artistically with different types of metals, to work with wood, wood-burning and other materials.

Grade Level: 9-12

Semester - ½ credit

Lab fee and project fee is required: \$15.00

Welding I

9035

This class is an introduction to the world of welding. Time will be divided between different welding techniques and welding projects. Students will spend time in lab and classroom settings. Students will be expected to complete lab activities with relation to welding techniques such as SMAW (shielded metal arc welding) welding and MIG (metal inert gas) welding. Emphasis is put on basic techniques used to weld in horizontal and vertical positions. Students will also learn various cutting techniques using oxygen/acetylene cutting torches, plasma cutting, and cutting discs.

Grade Level: 9-12

Semester - ½ credit

Lab fee and project fee is required: \$30.00

Welding II

9038

Advanced level skills building upon the knowledge gained during Welding I. Students will design and produce their own final project for the class. Included in the final project, students will perform a cost analysis of the project.

Grade Level: 9-12

Semester - ½ credit

Lab fee and project fee is required: \$30.00

General Carpentry - Home Maintenance I & II

9025/9026

This course is designed to provide basic maintenance understanding when confronted with doing it yourself repairs in the home. This course is needed due to today's struggling economy. Due to the skyrocketing cost of home repairs, it has become necessary for home owners to complete their own repairs and projects. This course will give students a solid foundation in the area of home maintenance. This class participates in the recycling program. This course satisfies one-half credit toward the elective credit for graduation.

Grade Level: 9-12

Semester - ½ credit

Lab Fee: \$15.00 per semester

PLTW Introduction to Engineering Design

7500

Students explore engineering tools and apply a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students progress from completing _____



structured activities to solving open-ended projects and problems that require them to plan, document, communicate, and develop other professional skills.

Grade Level: 9-12

Credit: 1

Fee: \$25

PLTW Principles of Engineering

7501

Students explore how modern engineers help improve the world through diverse engineering fields, such as product design, mechanical design, infrastructure, and sustainability. Students learn and use some of the cutting edge tools engineers use in robotics, 3D modeling, programming, and prototyping

Grade Level: 9-12

Credit: 1

Fee: \$25

Prerequisite: Introduction to Engineering Design

English Department

English I

1100

The main focus of the class is the study of literature, which will require students to read grade-level fiction and nonfiction. During this course, students will study various articles, stories, novels, and speeches from a vast array of time periods. Most of the writing will be assigned to help students understand, explain, and evaluate literary works. Students will write argumentative and analytical multi-paragraph responses. Students will discuss rules of grammar, spelling, and punctuation to improve writing as well as use a vocabulary workbook to increase their vocabulary acquisition. The course satisfies one English credit toward graduation.

Grade Level: 9

Credit: 1

Fee for workbook/ handbook and paperback is required: \$25.00

Honors English I

1110

The Honors English I course is designed to provide accelerated instruction in the language arts realm. This class is designed for the highly motivated, self-disciplined student who has a real love for reading and writing; therefore, the pace is much faster and more in-depth. Students will study classic and modern literature which includes both fiction and non-fiction readings. These readings will focus on pieces at or above grade level. Writings will be assigned to help students understand, explain, and evaluate literary work. Students will write formal argumentative, informative, and analytical multi-paragraph responses that are research based. Students will discuss rules of grammar, spelling, and punctuation to improve writing as well as use a vocabulary workbook to increase their vocabulary acquisition. During this course, students will study various articles, stories, novels, and speeches from a vast array of time periods. The course satisfies one English credit toward graduation.

Grade Level: 9

Credit: 1

Fee for workbook/handbook and paperback is required: \$25.00

Prerequisite: Teacher recommendation, grades, and student skill level(s) all considered

English II

1200



Through the study of classical literature and modern fiction grouped thematically, this course will offer students integrated experiences in reading, writing, listening, speaking, and researching. Literary elements and authors' techniques will be stressed as we analyze novels, short stories, poetry and nonfiction. Writing style and grammar/mechanics will be emphasized, especially sentence combining and comma usage. Students may look forward to such projects that address individual learning styles, research skills, and a formal speech. Students will continue to compile their best work in their portfolios. This course satisfies one English credit toward graduation.

Grade Level: 10

Credit: 1

Fee for paperback is required: \$15.00

Honors English II

1210

Compared to English II this course will cover more reading material and a larger range of writing assignments; therefore, it is designed for the highly motivated English student who enjoys writing both creative and prescriptive pieces and reading independently. Through the study of classical literature and modern fiction grouped thematically, this course will offer students integrated experiences in reading, writing, listening, speaking, and researching. Expect an in-depth study of literary elements and authors' writing techniques as novels, short stories, poetry, and nonfiction are analyzed. Writing style and grammar/mechanics will be emphasized, especially sentence combining and comma usage. Students may look forward to a variety of projects that address individual learning styles, research skills, and a formal speech. Students will continue to compile their best work in their portfolios. This course satisfies one English credit toward graduation.

Grade Level: 10

Credit: 1

Prerequisite: Teacher recommendation, grades, and student skill level(s) all considered

Fee for paperback is required: \$15.00

English III American Literature and Composition

1300

This course explores American literature from the early 19th century to the mid-to-late 20th century, beginning with short stories such as *The Legend of Sleepy Hollow* and works by Edgar Allan Poe. Students will analyze *The Crucible* by Arthur Miller, drawing connections to historical events like the Red Scare and its portrayal in *Good Night, and Good Luck*. Additional readings include *The Great Gatsby* and *Of Mice and Men*, offering insights into early 20th-century themes. The curriculum also emphasizes American poetry and visual literacy, incorporating concepts from Dr. Brian Kennedy of the Toledo Museum of Art. Students will collaborate with art classes, visit the museum, and have the opportunity to participate in the annual Ekphrastic Poetry Contest. In addition to literary analysis, students will develop skills in persuasive, research, and informational writing, as well as vocabulary acquisition. They will compile a portfolio showcasing their work throughout the year. This course utilizes StudySync, an online textbook and curriculum, and fulfills one English/ELA credit toward graduation.

Grade Level: 11

Credit: 1

Fee for vocabulary workbook and paperback is required: \$30.00

English IV British Literature and Composition

1400

This course explores the evolution of British literature, beginning with *Beowulf* and selections from *The Canterbury Tales* (*The Miller's Tale* and *The Knight's Tale*). Students will examine Old and Middle English, tracing historical and linguistic shifts that shaped the English literary tradition. The study of Shakespeare will center on *Othello*, *Hamlet*, or *Macbeth*, with projects and writing assignments that provide insight into Elizabethan England. Students will also analyze satire through works such as Jonathan Swift's *A Modest Proposal* and engage in a critical reading of Aldous Huxley's *Brave New World*. In addition to literary analysis, the course emphasizes vocabulary development, word history, and etymology to deepen language comprehension. In the final quarter, students will focus on practical communication skills, including résumé writing, interview techniques, and public speaking. Writing assignments throughout the



year will enhance research, analytical, and persuasive writing skills. This course utilizes StudySync, an online textbook and curriculum, and fulfills one English/ELA credit toward graduation.

Grade Level: 12

Credit: 1

Fee paperback is required: \$10.00

Career Readiness (semester)

Needed

This course is a new elective for the 2025-2026 school year. Students will learn how to engage adults, refine communication skills, practice interview skills, and focus on other soft skills relevant to their career readiness. Students will have the opportunity to engage with Ohio Means Jobs to teach students about how to job search, listen to guest speakers from industries/careers where students show an interest or aptitude, meet with military recruiters, talk to college admissions officers, use YouScience as an exploration tool, and visit with local businesses/companies for more career exposure. One of the primary goals of this course is to get students thinking about their careers beyond high school and provide them with the tools and resources to be successful in finding and obtaining a job in their chosen career field. It is graded as Pass/Fail and students will not receive a traditional letter grade.

Grade Level: 11,12

Credit: ½ credit (semester)

Fee: \$10.00

Journalism

1615

If you enjoy a class setting that allows you to choose your assignments and have teacher feedback on your progress with individual one-on-one instruction then Journalism is for you. The class is designed to allow students an opportunity to contribute to the district-wide school newspaper, *Window to Woodmore*. Students choose their own writing topics and write articles they are interested in. The class allows for one-on-one instruction so students can improve writing skills that are important for English as well as college composition classes. Students offer each other support so the atmosphere is non-threatening and fun. By the end of the year, students will be published writers with a collection of writing suitable for a portfolio to use during the college application process. This class satisfies one credit towards the elective requirement for graduation. **An application process is not required.** All students who are interested in writing, taking photographs, and doing graphics on the computer as part of the layout process are encouraged to take the class.

Grade Level: 10-12

Credit: 1

Fee: \$15.00 (for class t-shirt)

Yearbook

7400

Would you like to capture the memories of your high school experience in our annual yearbook, "Reflections"? Students enrolled in this course will have the opportunity to do just that. The Yearbook Staff will create layouts and designs, write copy and feature articles, photograph student activities and sell advertisements to area businesses to create a timeless volume for the student body. Don't delay. The Yearbook class is limited to 10 qualified students; see the advisor for an application today. This course satisfies one credit toward the elective requirements for graduation. ***This course is a part of the Woodmore VCT program. See page 15 for additional details.***

Grade Level: 10-12 - Grade 9 with previous yearbook experience & recommended by middle school yearbook adviser

Credit: 1

Prerequisite: Application

ENGL1110 College Composition I *CCP Course Taught on Woodmore Campus

WCCPUT5

(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale)



Explanatory and persuasive writing in both personal and public genres; instruction and practice in generating, focusing, developing, researching and presenting ideas in ways consistent with one's subject, purposes and intended audience. (ESL students must have completed ENGL 1020 with a grade of Pass. Students of ESL may be required to take ENGL 1120 as a co-requisite.) From Composition I and Composition II, no more than 6 hours apply toward graduation. **Availability is dependent on enrollment.**

Grades: 11-12

Semester: 1.0 credit

Prerequisites: Eng I and Eng II

ENGL1150 College Composition II: Languages and Identities *CCP Course Taught on Woodmore Campus WCCPUT6
(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale)

In this class, we consider the ways languages construct identities through interactions of race, class, gender, sexual orientation, disability, age, and religion, among other things. Instructors will bring their own particular scholarly expertise to shaping each class, so assignments and focus will vary class to class, but assignments are likely to include considerations of how what we are named and who names us helps us make sense of who we are and we fit in the world. For example, if someone names us as a friend, it places us in a reciprocal and caring relationship with that person. If, on the other hand, someone in a position of power calls us by a hate-inflected racial epithet, it places us in a relationship of subordination and cruelty. The class will also consider the way common language is gendered—just what it means to throw like a girl, take it like a man—as well as how different groups of people use language differently, through conversational conventions, dialects, voice, and other practices.

While languages and identities are our topics of discussion, our primary purpose in this course is to explore how and why we write for an audience. Though not every assignment will ask you to write a traditional academic essay, the skills you will be refining in your writing can be applied to such a task. To that end, you will be expanding on the things you worked on in Composition I (focus, rhetorical sensitivity, essay development, argumentation, research, citation, and revision) expanding your capabilities in academic writing. Significant time will also be devoted to the research process, including discussions on finding, evaluating, and incorporating research into texts, reviewing at least two documentation practices, and establishing ethical practices when researching human participant **Availability is dependent on enrollment.**

Grades: 11-12

Semester: 1.0 credit

Prerequisites: Comp I

Mathematics Department

Algebra I

4200

Algebra I is basic to higher mathematics and this course is intended to provide the student with a background into these basics. Course studies include inequalities, systems of equations and inequalities in 2 variables, radicals, quadratic relations, factoring polynomials, and problem-solving skills. A scientific calculator is required for this course. This course satisfies one math credit toward graduation.

Grade Level: 9

Credit: 1

Applied Algebra I

4205

This course will cover all Algebra I standards as developed by the Ohio Department of Education. This course will be by recommendation only and will be reserved for those students who did not meet a competency score on the End of Course Exam in Algebra I. The goal of this course will be to strengthen the Algebra Standards so the student can achieve the competency score and meet graduation requirements. This course satisfies one math credit toward graduation.



Grade Level: 9,10

Credit: 1

Geometry

4300

This course is designed to improve logical reasoning skills that will help students to be successful in college, on the job, and in everyday life. Concepts that will be covered throughout the course include basic geometric figures, constructions, proofs, parallelism, congruent triangles, right triangles, coordinate geometry, circles, perimeter and area, loci, figures in space, and transformations. Students will use learned concepts to develop formal proofs through inductive and deductive reasoning. This course satisfies one math credit toward graduation. A scientific calculator is required for this class.

Grade Level: 9-12

Credit: 1

Prerequisite: Algebra I (1 credit earned)

Honors Geometry

4310

This is an accelerated course that is designed for students who have a strong interest in the field of mathematics. Concepts covered throughout the course include basic geometric figures, constructions, logical reasoning, proofs, parallelism, congruent triangles, perimeter and area, right triangles, coordinate geometry, circles, transformations and trigonometry. A scientific calculator is required for this class and a graphing calculator is recommended. Honors Geometry covers the concepts in more depth than Geometry and will be taught at a faster pace than Geometry. This course satisfies one math credit toward graduation.

Grade Level: 9

Credit: 1

Prerequisite: "B" average Honors Algebra I, or current math teacher recommendation.

Algebra II

4500

This course covers a review of Algebra I. It also covers analyzing and solving systems of equations and inequalities, graphing linear relations and functions, using matrices, investigating sequences and series. Students will also explore: polynomials, radical expressions, quadratic functions and inequalities, polynomial functions, rational expressions, exponential and logarithmic functions, and trigonometric functions. This course satisfies one math credit toward graduation. Algebra II develops the theoretical approach to the subject and in this manner differs from a "basic skill" type course. A scientific calculator is required. This class, or its equivalent, will be a graduation requirement for Class of 2014 students and beyond.

Grade Level: 10-12

Credit: 1

Prerequisite: Geometry

Honors Algebra II

4510

This is an accelerated course which covers a review of Algebra I, analyzing and solving systems of equations and inequalities, graphing linear relations and functions, using matrices, investigating sequences and series, analyzing conic sections, and investigating discrete mathematics and probability. Students will also explore: polynomials, radical expressions, quadratic functions and inequalities, polynomial functions, rational expressions, exponential and logarithmic functions, and trigonometric functions. This course satisfies one math credit toward graduation. A scientific calculator is required and a graphing calculator is recommended. Honors Algebra II develops the theoretical approach to the subject and in this manner differs from a "basic skill" level course.

Grade Level: 10



Credit: 1

Prerequisite: B or higher average in Honors Geometry, or current math teacher recommendation.

Advanced Quantitative Reasoning (Formerly Mathematics Modeling and Reasoning)

4505

In this course, you'll tackle real-life problems and learn how math applies to everything from sports stats to business decisions and even social issues. You'll dive into hands-on projects and explore big ideas across subjects, using math to model, analyze, and solve problems that actually matter. Along the way, you'll sharpen your skills in algebra, geometry, statistics, and more, while learning to explain your thinking and communicate your ideas clearly. This yearlong, student-centered course is all about active learning, critical thinking, and discovering the power of math beyond the classroom.

Grade Level: 11-12

Credit: 1

Prerequisite: Algebra I and Geometry

Fee: \$10

Functions, Statistics, and Trigonometry

4650

This class will provide a math course for students who have completed Algebra II but are not yet ready for Pre-calculus, and is intended for those students who wish to have a more in-depth mathematical background prior to going to college. Students will be evaluated through regular chapter tests and bi weekly to weekly quizzes as well as nightly homework assignments. Students will also be assessed on their use of graphing calculators. This course will cover topics involved with Functions, Statistics, Probability and Trigonometry. The areas that will be covered are: making sense of data, functions and models, transformations of functions, power functions, exponential and logarithmic functions, trigonometric functions, graphs of circular functions probability and simulation, sequence, series and combinations, polynomial functions, binomial and normal distribution, matrices and trigonometry and quadratic relations. A graphing calculator is required for the course.

Grade Level: 11-12

Credit: 1

Prerequisite: Geometry and Algebra II, or current math teacher recommendation

Pre-Calculus

4800

This course is designed to provide a solid background for the study of calculus. Topics include: linear and quadratic functions, polynomial functions, inequalities, exponents and logarithms, analytical geometry, sequences and series, matrices, and trigonometric functions. This course satisfies one math credit toward graduation. A scientific calculator is required.

Grade Level: 11-12

Credit: 1

Prerequisite: Algebra II (1 credit earned) B average or higher is recommended

Honors Pre-Calculus

4810

This is an accelerated course which is designed to provide a solid background for the study of calculus. Topics include: linear and quadratic functions, polynomial functions, inequalities, exponents and logarithms, analytical geometry, and an in depth study of trigonometry. This course also covers vectors and determinants, sequences and series, and matrices. Students will also be introduced to calculus. This course satisfies one math credit toward graduation. A graphing calculator is required for this class.

Grade Level: 11

Credit: 1

Prerequisite: "B" or higher average in Honors Algebra II or current math teacher recommendation.



Statistics**4820**

Students will work with probability, data collection, descriptive and inferential statistics, probability, and technological tools to analyze statistics. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs. This course is designed as an alternative to Pre-calculus or AP Calculus for students not requiring a calculus class at the college level. A graphing calculator will be required (recommended TI-84 plus or better).

Grade Level: 11-12

Credit: 1

Prerequisite: "B" average or higher in Algebra II or recommendation from current math teacher

Advanced Placement Calculus AB**4910**

This course is designed for college bound students who are interested in the fields of mathematics and/or science. Students are expected to complete a review packet and be prepared to take a test during the first week of school. The course then introduces the concept of limits and their properties along with techniques for evaluating these limits. Differentiation and the applications of the derivative along with integration and its applications will also be studied in this course. This course satisfies one math credit toward graduation. A graphing calculator is required for this class.

You will be paying for the AP Test fee, thus taking the AP Exam, and being graded on a 4.5 point scale. The cost of the test is approximately \$90.00, and is the responsibility of the student/family.

Grade Level: 12

Credit: 1

Prerequisite: "B" average or higher in Honors Pre-Calculus

AP exam fee: Approximately \$90.00

Music Department**Symphonic Chorale****6200**

This choir has the serious musician in mind: one who is interested in singing in concerts, preparing for Solo and Ensemble contests, Large Group contests, and performing for community events. The literature used covers a wide range of classical, secular, and sacred music as well as popular, rock and jazz. The performances at school programs, concerts, and contests are a requirement for each member of this group. Additional factors in the grading process include ability, weekly participation, and written work. This class is open to any student grades 9-12 and requires a vocal audition each year. Students who are not selected by audition will be registered in Men's Chorus or Women's Chorus. This course satisfies one (1) credit toward the elective or fine arts requirement for graduation.

Grade Level: 9-12

Credit: 1

Fee: \$10.00 + Specific Clothing Costs

Men's Chorus**6201**

This elective course is a performing group for students who have a desire to work and a willingness to cooperate. Students must meet the criteria for Tenor/Baritone (TB) singing. This group specializes in choral works suitable for school, church, and community. The literature used covers a wide range of classical, secular, and sacred music as well as popular, rock, and jazz. Members of this group will learn literature and vocal techniques specific to the male voice. The performances at school programs, concerts, and contests are a requirement for each member of this group. Additional factors in the grading process include ability, weekly participation, and written work. This class is open to any student grades 9-12 who meets the TB criteria. An audition is **NOT** required. This course satisfies one (1) credit toward the elective or fine arts requirement for graduation.

Grade Level: 9-12



Credit: 1

Fee: \$10.00 + Specific Clothing Costs

Women's Chorus

6202

This elective course is a performing group for students who have a desire to work and a willingness to cooperate. Students must meet the criteria for Soprano/Alto (SA) singing. This group specializes in choral works suitable for school, church, and community. The literature used covers a wide range of classical, secular, and sacred music as well as popular, rock, and jazz. Members of this group will learn literature and vocal techniques specific to the female voice. Performances at school programs, concerts, and contests are a requirement for each member of this group. Additional factors in the grading process include ability, weekly participation, and written work. This class is open to any student grades 9-12 who meets the (SA) criteria. An audition is **NOT** required. This course satisfies one credit toward the elective or fine arts requirement for graduation.

Grade Level: 9-12

Credit: 1

Fee: \$10.00 + Specific Clothing Cost

High School Marching/Concert Band

6500

Band members will be involved in marching band, concert band, pep band, and small ensembles. Attendance is required at all rehearsals and performances for a passing grade unless the student has an excused absence as defined in band guidelines. The objectives are: (1) to perform music of all styles of above-average difficulty, (2) to provide students with the means to develop expression, (3) to increase proficiency of performance, and (4) to provide music for the school and the public. Prior experience playing a band instrument is recommended. New students wanting to join the band should contact the instructor for approval. This course satisfies one credit toward the fine arts or elective requirement for graduation.

Grade Level: 9-12

Credit: 1

Prerequisite: Prior experience with a band instrument

Maintenance fee if playing a school-owned instrument: \$20.00

Jazz Band

6600

Students will perform examples of popular music with a concentration on sectional playing, improvisation, jazz styling, jazz articulation, and a study of different types of jazz in history. Students will perform for school and community events. The consent of the instructor is required prior to enrolling and may include an audition. This course satisfies one credit toward the fine arts or elective requirement for graduation.

Grade Level: 9-12

Credit: 1

Prerequisite: Prior experience with a band instrument and approval from the director.

Music History/Appreciation

6300

Music History is designed for both the prospective college music major and the student highly interested in the history of music. This course will investigate the historical development of music as an art. Through listening and discussion, students will study advanced terminology and analyze the structure of music from the Middle Ages through the 20th Century. Students will discuss the power of music in today's world and how it affects our views on society and the environment. Prior experience with music would be helpful, but is not required. This course satisfies 1 credit toward the elective or fine arts requirement for graduation.

Grade Level: 9- 12

Credit: 1



Music Theory*** Not Offered in 25-26 School Year, offered again in 26-27 *****6810**

Music Theory is designed for both the prospective college music major and the student highly interested in music composition. This course will emphasize the study of written music as well as beginner level composition, ear training and sight singing. All skills will develop from a very basic level and progress to an advanced level at a pace based on class understanding. On occasion, music history and listening will be integrated into this course. Prior knowledge of music notation is recommended, but not required. Music Theory will meet five days a week for a full year and receives one credit toward the elective or fine arts requirement for graduation.

Grade Level: 9-12

Credit: 1

Lab Fee for Theory Workbook is required



Science Department

Physical-Earth-Chemical Science

3000

Physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning. This course satisfies the physical science component of the graduation requirement. This is a required course for all freshmen. A calculator is recommended for this class.

Grade Level: 9

Credit: 1

Biology I

3200

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. This course satisfies the biology component of the graduation requirement.

Grade Level: 9-11

Credit: 1

Prerequisite PEC Science

Fee: Lab - \$17.00

Honors Biology I

3215

From atoms to cells, from DNA to proteins, from individuals to ecosystems, biology is the study of the intricate and complex systems that make life possible in almost every corner of our beautiful planet Earth. The purpose of this course is to give students a better understanding and appreciation of the wonders of life in and around them. Students will participate in classroom and laboratory experiences that deepen their understanding of the fundamental processes of life, the structure and function of different organisms, and how living things coexist and impact one another. Students will be challenged to explore how life works at the cellular and systemic level, to analyze the role of DNA in living things and the impact of biotechnology on our world, and to consider both the unity and diversity of organisms in the biosphere.

Since science is best learned by doing, students will take part in a variety of meaningful and hands-on activities, including laboratories, demonstrations, and projects. Emphasis will be placed on collaborative learning and science process skills, such as formulating hypotheses, experimental design, and data collection and analysis. In addition to working in teams, students will be expected to participate in individual study and whole class learning.

Grade Level: 9-11

Credit: 1

Prerequisite PEC Science

Fee: Lab - \$17.00

Advanced Placement Biology

3205

AP Biology is a yearlong course which is graded on a 4.5 scale that is designed to be taken by students after the successful completion of high school biology. Chemistry is also recommended. AP Biology includes those topics regularly covered in a college introductory biology course and differs significantly from the standards-based high school course with respect to the kind of textbook used, the



range and depth of topics covered, the kind of laboratory work performed by students and the time and effort required of the students. The textbook used by AP Biology is also used by college biology majors and the kinds of labs done by AP students are equivalent to those done by college students. AP Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course is designed to prepare students for the Biology College Board Advanced Placement Exam.

Additional time to meet AP Biology guidelines may be scheduled. The class is graded on a 4.5 point scale and you will be taking the AP Biology exam at a cost of approximately \$90.00 which is the responsibility of the student/family.

Grade Level: 11 & 12

Credit: 1

Prerequisite: Biology "A" or "B" with teacher recommendation & "B" in Chemistry

Fee: Lab - \$30.00 ; AP exam: Approximately \$90.00

Anatomy & Physiology I & II

3220/3225

This course will enable students to develop an understanding of the relationships between the structures and functions of the human body. The curriculum provides a basis for students to develop a strong conceptual understanding of the following human body systems: skeletal, muscular, nervous, cardiovascular, respiratory, digestive, and urinary. Students have the opportunity to integrate that knowledge through inquiry-based activities and laboratory investigations.

Grade Level: 10-12

Semester - ½ Credit per semester

Prerequisite: Biology I and teacher recommendation, Anatomy & Physiology II must have successfully completed A&P I

Fee: Lab - \$23.00

Chemistry I

3300

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The study of matter through the exploration of classification, its structure and its interactions is how this course is organized.

Investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communications skills and real-world applications. An understanding of leading theories and how they have informed current knowledge prepares students with higher order cognitive capabilities of evaluation, prediction and application. This course satisfies the physical science component of the graduation requirement or the third science credit required. This class is one period.

Grade Level: 10-12

Credit: 1

Prerequisite: Biology I and Algebra I

Fee: Lab - \$15.00

Physics

3500

Physics elaborates on the study of the key concepts of motion, forces and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. This course satisfies the physical science component of the graduation requirement or the third science credit required. This class is one period.



Grade Level: 11- 12

Credit: 1

Prerequisite: Algebra II (1 credit earned)

Forensic Science

3100

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Topics to be explored include latent prints, serology, DNA, chemical analysis, trace evidence, crime scene investigation, digital forensics, toxicology, and death investigations. Through online lessons, laboratories, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

Grade Level: 11-12

Credit: 1

Prerequisite: This course is reserved for students of Junior and/or Senior status

Fee: \$20.00

EEES 2150 Biodiversity *CCP Course Taught on Woodmore Campus

WCCPUT15

(4.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale)

Exploration of biodiversity and general biological processes and problems as they are experienced by all living organisms: genetics, reproduction, evolution, and ecology. **Availability is dependent on enrollment.**

Grades: 10-12

Semester: 1.0 credit

Prerequisites: PEC & Bio

CHEM 1230 General Chemistry I Lecture (offered during Semester I)

WCCPUT11

(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale) *CCP Course Taught on Woodmore Campus

An introduction to atomic structure, chemical bonding, kinetic-molecular theory, energy relationships and structural concepts. This class, offered during Semester 1, will focus primarily on Chemistry lecture with some lab work also being completed. Students who take this class should also sign up for General Chemistry I Lab to ensure that this class and its credits will transfer onto all Ohio College campuses. **Availability is dependent on enrollment.**

Grades: 10-12

Semester: 1.0 credit

Prerequisites: PEC & Bio

CHEM 1280 General Chemistry I Lab (offered during Semester II)

WCCPUT12

(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale) *CCP Course Taught on Woodmore Campus

An introduction to atomic structure, chemical bonding, kinetic-molecular theory, energy relationships and structural concepts. This class, offered during Semester 2, will focus primarily on Chemistry lab work with some lectures also being completed. Lab techniques and basic chemistry lab work will be an emphasis in this class. Students who took General Chemistry I Lecture should take this course to ensure that this class and its credits will transfer onto all Ohio College campuses. **Availability is dependent on enrollment.**

Grades: 10-12



Semester: 1.0 credit

Prerequisites: General Chem Lecture

Social Studies Department

Modern World History

2000

The course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars and changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. This course satisfies one social studies credit requirement toward graduation.

Grade Level: 9

Credit: 1

Honors Modern World History

2010

The course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars and changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. This course satisfies one social studies credit requirement toward graduation.

Since this is an honors class, students will be expected to complete coursework at a more advanced and rigorous level. This will consist of project based learning and student led discussions, as well as primary source analysis and higher order thinking skills.

Grade Level: 9

Credit: 1

American History

2100

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. This course satisfies one social studies credit requirement toward graduation.

Grade Level: 10

Credit: 1

American Government /Economics

2200

Students enrolled in this course will study various aspects of American government. Much of the course work revolves around an in-depth study of the Constitution. The students will also learn their roles in the government and the ever changing roles of the government in today's society. Active participation is expected. This course satisfies one-half of a credit toward meeting the government graduation requirement.

This course will increase students' knowledge of our economy and the world economy by studying both principles of economics and consumer economics. Among the topics studied will be supply and demand, monopoly, competition, inflation, and recession. Active participation is expected. This course satisfies one-half of a credit toward meeting the economics graduation requirement.

Grade Level: 11



Credit: 1 (.50 credits for American Govt and .50 credits for Econ & Fin Lit)

Advanced Placement U.S. History

2700

The growth of the United States politically, culturally, socially, and geographically is studied. This course evaluates how the U.S. has tried to solve its national and international problems during various periods of the country's development. Emphasis will be placed on the time period of 1750 to the present. Through classroom assignments, in depth readings, projects, and experiences, students will apply past happenings to the problems which exist today. Students will be expected to complete a summer reading/review assignment prior to the start of the school year. This course is designed to prepare students to successfully complete the AP US History exam offered in May.

This class culminates with taking the AP Exam in May, and is being graded on a 4.5 point scale.

Grade Level: 10-12 (*see Note below)

Credit: 1

Prerequisite: Students should have an "A" average in previous social studies classes, a PSAT of 50 or higher, and the recommendation of the Advanced Placement U.S. History teacher/Social Studies Department Chair.

Fee: \$15.00 study guide; AP Test Fee: Approximately \$90.00

Note: Different requirements pertain to 10th and/or 11th graders wishing to take AP US History. Please see the Social Studies Department Chair for more information.

Financial Literacy

2320

The high school course prepares students to understand financial literacy concepts and helps them to become savvy consumers who can avoid scams, prepares students to make sound financial decisions, provides an overview of different types of insurance and how they protect individuals, explains how to create budgets and plan for unexpected expenses and provides an introduction to investing.

Grade Level: 10-12

Semester: ½ credit

Prerequisite: Successful completion of freshman year

World Geography

2105

This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. This course also will examine the various civilizations of the world, focusing on the geography, history, culture, religions, and modern day involvement of the country. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements. Topics covered will include: Spatial Thinking and Skills, Environment and Society, Movement, Region, Human Settlement, and Globalization.

Grade Level: 9-12

Semester: ½ credit

Contemporary World Issues (Current Events)

2400

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include: competing beliefs and goals; methods of engagement; and conflict and cooperation. Contemporary issues have political, economic, social, historic and geographic components. Approaches to addressing global and regional issues reflect historical influences and multiple perspectives. Students can impact global issues through service learning and senior projects.

Grade Level: 9-12

Semester: ½ credit

The Sixties: Peace, Rebellion, and Vietnam

2900



This course will examine the era chronologically and thematically, covering the important events, people, and movements that formed the “sixties culture.” The students will understand why America experienced a full decade of tumult and change, with reverberations and consequences still being felt today. The course will also stress the United States’ role in Vietnam, covering both the causes and consequences of the conflict, as well as the escalating involvement of the United States in Southeast Asia. This class uses college-level textbooks. Due to the historical and mature level of the time period, some content may not be suitable for all students.

Grades: 10-12
Semester: ½ credit

World War II

2605

This course builds on students’ understanding of World War II. Students will study the causes, the course, and the implications of World War II. It will handle most of the geographic areas involved, the major diplomatic, political and military events, and some of the key figures of the war. The purpose of the course is to further acquaint students with the political, social, economic and cultural history of WWII and that conflict’s impact upon our own era.

Grades: 10-12
Semester: ½ credit

American History through Film

2620

Students in this course will study American history through the medium of film. This will be done through viewing, writing, and discussing both historical and contemporary pieces on topics related to the political, social, economic, and racial history of the United States.

Grades: 11-12
Semester: ½ credit

World History through Film

2630

Students in this course will study World history through the medium of film. This will be done through viewing, writing, and discussing both historical and contemporary pieces on topics related to the various events in World History.

Grades: 11-12
Semester: ½ credit

HIST 1050 World History to 1500 *CCP Course Taught on Woodmore Campus

WCCPUT13

(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale) **Availability is dependent on enrollment.**

A survey of the ancient world from the Stone Age to around 1500. Cultural and political topics are treated so as to compare the major civilizations.

Grades: 10-12
Semester: 1 credit

HIST 1060 World History from 1500 *CCP Course Taught on Woodmore Campus

WCCPUT14

(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale) **Availability is dependent on enrollment.**

A survey of world history from 1500 to the present. Cultural and political topics are treated so as to draw comparisons between the most significant modern societies.



Grades: 10-12
Semester: 1 credit

PSC 1200 **American National Government** *CCP Course Taught on Woodmore Campus **# Needed**
(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale) **Availability is dependent on enrollment.**

An introductory survey of the institutions, processes, and politics of the government of the United States and its relationship to state governments. Required primary texts include the United States Constitution, Declaration of Independence, a minimum of five selected Federalist Papers, Gettysburg Address, Emancipation Proclamation, and Martin Luther King Jr.'s Letter from Birmingham Jail. The course adheres to appropriate university, state, and federal guidelines on assessment, content, and transferability.

Grades: 11-12
Semester: 1 credit
Prerequisite: MWH & US Hist

SOC 1010 **Sociology** *CCP Course Taught on Woodmore Campus **WCCPUT10**
(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale) **Availability is dependent on enrollment.**

This course examines sociological topics regarding social behavior, institutional dynamics, and social change as well as the principles and basic concepts used by sociologists.

Grades: 10-12
Semester: 1 credit

SOC 1020 **Social Problems** *CCP Course Taught on Woodmore Campus **# Needed**
(3.0 college credits - 1.00 HS credits; graded on a 4.5 GPA scale)

This course provides an in-depth exploration of contemporary social problems affecting society. Through the sociological perspective, students will examine the origins, consequences, and potential solutions to issues such as inequality, poverty, racial and gender discrimination, crime, healthcare, education and the environment. Using theoretical frameworks and empirical research, the course emphasizes critical thinking, collaborative discussion, and the development of informed perspectives on complex social problems.

Grades: 10-12
Semester: 1 credit

Wellness Education Department

Health

0100

Health presents students with information on problems facing them in their young adult lives. The curriculum is developed on a decision-making approach rather than a biological approach. Students will be presented health related information with the purpose of encouraging and guiding them in the process and establishment of sound and intelligent health habits and practices. This course is required for graduation.

Grade Level: 9-12
Semester: ½ credit

Physical Education I

0200

Physical Education I is a required course in which students participate in a variety of activities for the semester. Classes are coeducational. Students participating in Physical Education I will be engaged in a variety of team-oriented sports and activities. Knowledge and demonstration of strategies and rules will be emphasized and tested during play and written assessments. Daily fitness



activities will provide the students with an opportunity to enhance their level of physical health. Fitness testing and target heart rate will also be incorporated into the program. Physical Education I will consist of the following sports and activities but not limited to: softball/wiffle ball, basketball, soccer, floor hockey, team handball, volleyball, speedball, and ultimate Frisbee. A student needs one half credit in Physical Education in order to fulfill graduation requirements.

Grade Level: 9-12

Semester: ½ credit

Dance Fitness

0300

Dance Fitness is an elective class that allows students to benefit from participating in activities such as but not limited to jazzercise, Zumba, yoga, kickboxing, and other aerobic exercises. These fitness activities lead students to incorporate healthy habits into an active lifestyle.

Grade Level: 9-12

Semester: ½ credit

Prerequisite: Required credits earned from Physical Education I

Strength Training, Exercise, and Conditioning

0400

This class is an elective class designed for the individual who is striving for a little extra in the area of fitness and exercise. The student should have a desire to excel in the weight room as well as a keen interest in exercise and conditioning. Students will learn what training techniques and systems need to be explored to design a personal fitness program.

Grade Level: 9-12

Semester: ½ credit

Prerequisite: Required credits earned from Physical Education I

Team Sports

0500

Team Sports is an elective class that allows students to enjoy the benefits of participating in activities such as basketball, soccer, volleyball, handball, floor hockey, and flag football.

Grade Level: 9-12

Semester: ½ credit

Prerequisite: Required credits earned from Physical Education I

Racquet Sports

0510

Racquet Sports is an elective class that allows students to enjoy the benefits of participating in activities using a racquet such as badminton, tennis, ping pong, and pickleball.

Grade Level: 9-12

Semester: ½ credit

Prerequisite: Required credits earned from Physical Education I



World Languages Department

Spanish I

5210

This course introduces novice-level learners to developing foundational Spanish proficiency in listening, speaking, reading, and writing skills. Spanish 1 language learners can use words, phrases, and sometimes single sentences to communicate on familiar topics, such as personal details and preferences. They can interpret main ideas from short written and spoken texts and also discuss practiced personal information in writing and aloud, all while building confidence when engaging with authentic resources from various Spanish-speaking countries. The course emphasizes meaningful communication and natural language acquisition in a supportive, immersive environment. This course satisfies one credit toward the elective requirement for graduation. Students must pass the 1st semester of this course to continue to the 2nd semester.

Grade Level: 9-12

Credit: 1

Prerequisite: If enrolled as a freshman, must have earned a B- grade or higher in both semesters of 8th grade English Language Arts and obtain Guidance Counselor permission.

Spanish II

5220

This course builds novice-level learners to continue developing foundational Spanish proficiency in all forms of communication. Spanish 2 language learners can consistently use phrases and single sentences to maintain communication on familiar topics, such as daily activities, interests, and personal experiences. They can interpret main ideas and details from short written and spoken texts, and discuss practiced personal information writing and aloud with some creation, all while continuing to build confidence when engaging with authentic resources from various Spanish-speaking countries. The course emphasizes meaningful communication and natural language acquisition in a dynamic, immersive environment. This course satisfies one credit toward the elective requirement for graduation. Students must pass the 1st semester of this course to continue to the 2nd semester.

Grade Level: 9-12

Credit: 1

Prerequisite: Spanish I or teacher recommendation

Honors Spanish III/IV

5250

This course progresses learners to an intermediate level of proficiency in all forms of communication. Intermediate level students always use single sentences when communicating and can, sometimes, create strings of original compound sentences. Students will focus on communicating with greater detail and complexity on a variety of topics, including past experiences. By the end of the course, students will be able to engage in conversations on familiar and some unfamiliar topics, express personal opinions, narrate events in the past and present, and interpret more complex texts, including authentic resources from various Spanish-speaking countries. The course emphasizes meaningful communication, active language use, and natural acquisition in a supportive, immersive environment, preparing students for survival skills in the world. This course satisfies one credit toward the elective requirement for graduation, and is one of the markers for an Honors Diploma. Students must pass the 1st semester of this course to continue to the 2nd semester.

Grade Level: 11-12

Credit: 1

Prerequisite: Spanish II or teacher recommendation

