

Grade 9	Grade 10	Grade 11	Grade 12
Video Production I	Video Production I	Video Production I	Video Production I
Video Production II	Video Production II	Video Production II	Video Production II
PLTW1 - Introduction to Engineering Design	PLTW 1 - Introduction to Engineering Design	PLTW1 - Introduction to Engineering Design	PLTW1 - Introduction to Engineering Design
	PLTW2 - Principles of Engineering	PLTW2 - Principles of Engineering	PLTW2 - Principles of Engineering
		PLTW3 – Digital Electronics	PLTW3 – Digital Electronics
			PLTW4 – Civil Engineering and Architecture
Leadership	Leadership		
Financial Management	Financial Management		
Business Applications and Economics	Business Applications and Economics	Business Applications and Economics	Business Applications and Economics
	BA Marketing	BA Marketing	BA Marketing
		BA Finance	BA Finance
			BA Strategic Management
		Accounting	Accounting
Digital Literacy	Digital Literacy		
BUSINESS & TECHNOLOGY			
boldface: semester course			

BUSINESS & TECHNOLOGY PROGRAM PHILOSOPHY

In the twenty-first century, it is imperative that students develop an understanding of financial and business practices. The goal of the Business & Technology Program in the Winton Woods City Schools is to insure that students who participate in the program enter the worlds of work and higher education with a firm foundation in the skills and knowledge necessary to function in those environments. The program seeks to enable students to transfer fundamental academic skills to daily life and the work environment.

**ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES.
INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES**

DIGITAL LITERACY (893)

Grades: 9-10

Length: 1 semester

Credits: ½

Pre-requisites: None

Digital Literacy is a semester course designed to prepare students for 21st century learning. The goal of Digital Literacy is to teach and assess digital literacy and communication skills, so that students can correctly use language through digital communication to enhance their lives both inside and outside of school. Students with savvy digital literacy skills can develop new social and economic opportunities for themselves in the future. As students master digital tools, they will be asked to apply these tools in a project-based learning environment to investigate real-world issues and create meaningful and relevant products. Students will create a portfolio on weebly.com and will create/collect artifacts aligned with their mastery of each of the four International Studies Schools Network (ISSN) global competencies: *Investigate the World*; *Communicate Ideas*; *Recognize Perspectives*; and *Take Action*. In Digital Literacy, students use the following digital tools;

- Microsoft Word
- Microsoft Power Point
- Microsoft Excel
- Google Apps
- Windows Movie Maker
- Evernote
- Glogster
- Prezi
- Blogging, Forums, and Networking

This course is not open to students in the Academy of Global Studies.

VIDEO PRODUCTION I (870)

Grades: 9 – 12

Length: 1 semester

Credit: ½

Pre-requisites: None

Video Production I studies the development of media production from concept through the development of the storyboard. Students receive hands-on application of the classroom instruction through project-based teaching strategies. The class finishes with the students having to present a video production from conception of the initial idea through the editing of the final product.

VIDEO PRODUCTION II (891)

Grades: 9 – 12

Length: 1 semester

Credit: ½

Pre-requisites: *Video Production I*

Video Production II is a project-driven course based on skills learned in Video Production I.

PLTW1 - INTRODUCTION TO ENGINEERING DESIGN (735)

Grades: 9 – 12

Length: 1 year

Credit: 1

Pre-requisites: *Algebra I credit*

Introduction to Engineering Design is appropriate for students who are interested in industrial design or engineering. The course exposes students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will use state of the art 3D solid modeling design software package to help them design solutions to solve proposed problems.

PLTW2 - PRINCIPLES OF ENGINEERING (734)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: Intro to Engineering Design

Principles of Engineering is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students will develop skills through activity-, project-, and problem-based learning. While working in teams, students will continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts.

PLTW3 – DIGITAL ELECTRONICS (733)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: Intro to Engineering Design; Principles of Engineering

Digital electronics is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. Students will analyze, design and build digital electronic circuits.

PLTW4 – CIVIL ENGINEERING AND ARCHITECTURE (732)

Grades: 12

Length: 1 year

Credit: 1

Pre-requisites: Introduction to Engineering Design, Principles of Engineering, Digital Electronics

Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

FINANCIAL MANAGEMENT (607)

Grades: 9- 10

Length: 1 semester

Credit: ½

Pre-requisites: None

This project-based financial literacy course develops student understanding and skills in such areas as economic decision-making, time value of money, financial management, and types of investments. Students acquire an understanding and appreciation of the need for personal financial management and investing. To encourage immediate implementation of financial management skills, Wealth Management utilizes an on-going project for course delivery and reinforcement. The course content is sequenced for students to develop a full understanding of their role and responsibility in their financial future. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. This is a course in the High School of Business Program.

LEADERSHIP (606)

Grades: 9 - 10

Length: 1 semester

Credit: ½

Pre-requisites: None

Leadership, a project-based leadership course, develops student understanding and skills in such areas as communication skills, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. To encourage immediate implementation of leadership skills, Leadership utilizes an on-going service-learning project for course delivery and reinforcement. The course content is sequenced for students to identify, plan, implement, and evaluate a service-learning project based on the needs of their community/school. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course. This is a course in the High School of Business Program.

BUSINESS APPLICATIONS AND ECONOMICS (609)

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: None

In Business Applications and Economics students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, government policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Decision matrices are introduced, and the importance and costs of quality are stressed. Students develop their knowledge and skills in such areas as business law, economics, entrepreneurship, operations, financial analysis, human resources management, information management, marketing, operations, and professional development. Throughout the course, students will be presented with current economic problems for which they are asked to determine solutions, often through the application of decision matrices. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course. This is a course in the High School of Business Program.

BA MARKETING (604)

Grades: 10

Length: 1 year

Credit: 1 credit

Pre-requisites: Business Applications and Economics

Principles of marketing, a project-based business course, develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an ongoing component of the course.

BA FINANCE (603)

Grades: 11

Length: 1 year

Credit: 1

Pre-requisites: BA Marketing

Principles of Finance furthers student understanding of two specific business activities – accounting and finance – that were introduced in an earlier High School of Business course, Principles of Business. Through team activities and a semester-long corporate investment project, students make connections between accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data. In addition, students apply the concepts of operating and overhead costs, internal accounting controls, and budgets to their class business. Lastly, cost/benefit analysis is introduced as an element of financial planning and decision-making.

BA STRATEGIC MANAGEMENT (602)

Grades: 12

Length 1 year

Credit: 1

Pre-requisites: BA Financing

BA Strategic Management furthers student understanding of management that was introduced in an earlier High School of Business course, Business Application and Management. Through individual and team activities and a semester-long project, students make connections between management and business success. Students acquire an understanding of legal and ethical issues associated with management; initiate, plan, implement and control, and close a project; motivate team members; delegate work; develop a chain of command; coordinate work efforts; and interpret statistical findings. The second half of the class serves as the capstone course for the High School of Business program. Students employ their decision matrices to finalize marketing, financial, and management plans developed previously, incorporating them into a business plan for a non-profit organization. The non-profit venture is actualized during the course, requiring students to engage in risk assessment, strategic planning, and performance assessment.

ACCOUNTING (630)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: None

Accounting emphasizes the basic accounting principles, concepts, and procedures used to operate a business. Students are guided through the complete accounting cycle of a business organized as a sole proprietorship, a partnership and a corporation. A materials fee will be charged.

***Students who complete the High School of Business program have the opportunity to earn up to 6 credits from Bowling Green University.**

Grade 9	Grade 10	Grade 11	Grade 12
*Honors English 9	*Honors English 10	*Honors English 11	*Honors English 12
*CP English 9	*CP English 10	*CP English 11	*CP English 12
		* Advanced Placement English (AP) Language & Composition	*Advanced Placement English (AP) Language & Composition
		*Advanced Placement English (AP) Literature & Composition	*Advanced Placement English (AP) Literature & Composition
		ACT Prep	ACT Prep
ENGLISH			
* NCAA Clearinghouse Approved			
boldface: semester course			

ENGLISH PROGRAM PHILOSOPHY

The goal of the English Language Arts Program is to help students develop effective skills of communication as they become critical, logical, and creative thinkers. This purpose can best be accomplished in an integrated and functional framework that incorporates reading, written composition, listening, speaking, and viewing in a holistic approach. Our goal is to develop and adapt holistic instructional strategies that empower every student with effective communication and thinking skills. These goals are based on the following beliefs:

- Communication is enhanced through opportunities to study, understand, and apply listening skills.
- Communication can be enhanced through opportunities to study, understand, and apply speaking skills.
- Studying, understanding, and applying the viewing process will develop awareness of ideas transmitted through non-word images.
- Reading expands personal knowledge of the world and enhances personal satisfaction.
- Writing crystallizes thoughts and transfers ideas.

**ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES.
INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES**

CP ENGLISH 9 (112)

Grades: 9
Length: 1 year
Credit: 1
Pre-requisites: None

CP English 9 involves the students in an integrated study of listening/ viewing, speaking, literature, and composition. Students study the basic elements of literature, short story, novel, poetry, and drama. The writing of persuasion, narration, and exposition enables students to improve their grammar usage, mechanics, and punctuation skills. Students will also keep a writing portfolio. There is an emphasis on studying vocabulary roots, prefixes, and suffixes, as well as literary terms.

HONORS ENGLISH 9 (111)

Grades: 9

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: 8th Grade English Grade of A or B or Teacher Recommendation

Honors English 9 involves students in an integrated study of listening/ viewing, speaking, literature, and composition. Students study the basic elements of literature, short story, novel, poetry, and drama. The writing of persuasion, narration, and exposition enables students to improve their grammar usage, mechanics, and punctuation skills. Students will also keep a writing portfolio. There is an emphasis on studying vocabulary roots, prefixes and suffixes, as well as literary terms. Honors English 9 is fast-paced, and demands an extensive study of all genres of literature, considerable writing activities, and vocabulary activities. Daily homework is required.

Students are expected to complete the summer reading assignment, which is averaged as part of the 1st quarter grade.

CP ENGLISH 10 (122)

Grades: 10

Length: 1 year

Credit: 1

Pre-requisites: CP English 9

CP English 10 furthers students' proficiency with listening/viewing, speaking, literature, and composition skills. Tenth grade literature features poetry, drama, short stories, essays, and novels. Composition instruction emphasizes narration, exposition, and persuasion while enabling students to continue improving grammar usage, mechanics, and punctuation skills. Students will also keep a writing portfolio. There is continued emphasis on vocabulary roots and literary terms, writing, and speaking.

HONORS ENGLISH 10 (121)

Grades: 10

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Honors English 9; Grade of A or B or Teacher Recommendation

Honors English 10 furthers students' proficiency with listening/viewing, speaking, literature, and composition skills. Tenth grade literature features poetry, drama, short stories, essays, and novels. Composition instruction emphasizes narration, exposition, and persuasion while enabling students to continue improving grammar usage, mechanics, and punctuation skills. Students will also keep a writing portfolio. There is continued emphasis on vocabulary roots and literary terms. Honors English 10 is fast-paced and demands an extensive study of all genres of literature, considerable writing activities, and vocabulary activities. Daily homework is required. **Students are expected to complete the summer reading assignment**, which is averaged as part of the 1st quarter grade.

CP ENGLISH 11 (132)

Grades: 11

Length: 1 year

Credit: 1

Pre-requisites: CP English 11

CP English 11 offers intensive work in listening/viewing, speaking, literature, and composition skills. Literature selections provide stimuli for writing assignments. Through poetry, drama, short stories, essays and novels, students enhance critical thinking and problem solving skills. Composition instruction emphasizes exposition, persuasion, and literary analysis. All their writing will be kept in a portfolio. To improve writing, students will continue to study and practice grammar and mechanics. There is continued emphasis on enhancement of vocabulary study through ACT/SAT words and literary terms.

HONORS ENGLISH 11 (131)

Grades: 11

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Honors English 10; Grade of A or B or Teacher Recommendation

Honors English 11 offers intensive work in listening/viewing, speaking, literature, and composition skills. Literature selections provide stimuli for writing assignments. Through poetry, drama, short stories, essays and novels, students enhance critical thinking and problem solving skills. Composition instruction emphasizes exposition, narration, persuasion, and literary analysis. All their writing will be kept in a portfolio. To improve writing, students will continue to study and practice grammar and mechanics. There is continued emphasis on enhancement of vocabulary study through ACT/SAT words and literary terms. Honors English 11 is fast-paced, and demands an extensive study of all genres of literature, considerable writing activities, and vocabulary activities. Daily homework is required. **Students are expected to complete the summer reading assignment**, which is averaged as part of the 1st quarter grade.

CP ENGLISH 12 (142)

Grades: 12

Length: 1 year

Credit: 1

Pre-requisites: CP English 11

CP English 12 seeks to refine students' skills in listening/viewing, speaking, literature, and composition. Students explore society through novels, short stories, drama, poetry, and essays. Composition instruction focuses on exposition, narration, persuasion, and literary analysis. All writing will be kept in a portfolio. To improve writing, students will continue to study and practice grammar and mechanics. There is a continued emphasis on vocabulary study through ACT/SAT words and literary terms.

HONORS ENGLISH 12 (141)

Grades: 12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Honors English 11; Grade of A or B or Teacher Recommendation

Honors English 12 seeks to refine students' skills in listening/viewing, speaking, literature, and composition. Students explore society through novels, short stories, drama, poetry and essays. Composition instruction focuses on exposition, persuasion, and literary analysis. Honors English is fast-paced and demands an extensive study of all genres of literature, considerable writing activities, and vocabulary activities. Daily homework is required. All writing will be kept in a portfolio. To improve writing, students will continue to study and practice grammar and mechanics. There is a continued emphasis on vocabulary study through ACT/SAT, vocabulary words and literary terms. **Students are expected to complete the summer reading assignment**, which is averaged as part of the 1st quarter grade.

ADVANCED PLACEMENT ENGLISH (AP) LITERATURE AND COMPOSITION (163)

Grades: 11-12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: A or B in Honors English and Teacher Recommendation

The Advanced Placement (AP) program involves the student in an intensive study of Western Literature, coupled with extensive writing assignments, so that students may develop an in-depth understanding and appreciation for their literary heritage. Students are expected to put forth a genuine commitment to scholarly effort and high academic standards. This course helps prepare students for the National Advanced Placement exam. All AP students are required to take the AP exam. (Students will assume the costs of the AP exam of approximately \$91).

ADVANCED PLACEMENT ENGLISH (AP) LANGUAGE AND COMPOSITION (153)

Grades: 11-12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: A or B in Honors English and Teacher Recommendation

The Advanced Placement (AP) program involves the student in an intensive study of English language and composition and rhetoric, coupled with extensive writing assignments. This course primarily focuses on the study of nonfiction. Students are expected to put forth a genuine commitment to scholarly effort and high academic standards. The course is designed to prepare students for the national Advanced Placement Examination administered by the College Board in May. All AP students are required to take the AP exam. (Students will assume the costs of the AP exam of approximately \$90).

ACT Preparation (135)

Grades: 11-12

Length: 1 semester

Credit: ½

Pre-requisites: Must be registered for the ACT at the end of the course

Students will be introduced to the ACT testing process, with specific emphasis on the reading, language (grammar and vocabulary) and writing portions of the test while also touching on the math and science portions. This course covers the basics of test structure, scoring methods, practice strategies, personal preparation techniques, registration and scheduling for each test. Classroom activity centers on the preparation process, using a comprehensive practice schedule integrated with a personalized review process that will help reveal each student's particular skill sets and/or weaknesses in the areas of vocabulary, reading, and writing. The course presents a variety of tools, resources, proven test taking tips, and strategies (all of which should encourage the creation of a personal development and improvement plan designed to increase future test scores). The students will spend nine weeks of the class entrenched in ACT preparation. The other nine weeks of the course will be focused on a college and career readiness curriculum based in the Common Core. This portion of the course will help to prepare students for the rigor, diversity and independence that they will experience in college. The course will provide information on how the college process works. They will gain assistance on the application process, and in that capacity, work with in the Naviance program. Guest speakers and colleges will share information with the students about various post-secondary opportunities that exist for the students. The class will also provide the students with the various tools that students will need to be successful in college.

Grade 9	Grade 10	Grade 11	Grade 12
*Spanish I	*Spanish I	*Spanish I	*Spanish I
*Spanish II	*Spanish II	*Spanish II	*Spanish II
	*Spanish III	*Spanish III	*Spanish III
		*Spanish IV	*Spanish IV
			*Spanish V
		Spanish for Spanish Speakers	Spanish for Spanish Speakers II
*Chinese I	*Chinese I	*Chinese I	*Chinese I
*Chinese II	*Chinese II	*Chinese II	*Chinese II
	*Chinese III	*Chinese III	*Chinese III
		*Chinese IV	*Chinese IV
			*Chinese V
GLOBAL LANGUAGES			
*NCAA Clearinghouse Approved			
boldface: semester course			

GLOBAL LANGUAGES PROGRAM PHILOSOPHY

The study of any language provides the student with a new experience, progressively enlarging the student's horizon through the introduction to a new medium of communication and a new cultural pattern. Such study enhances the student's efforts in English and social studies by further orienting the student to society and the world, and by aiding the student in developing communication skills. The study of global languages is highly desirable in today's world. Be aware that global language classes are academic classes that require study and memorization as well as an understanding of the basic grammatical structures of our own language, English.

<p>ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES. INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OR COMBINATION OF COURSES.</p>

SPANISH I (511)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: Grade of C in 8th grade or previous year in English

Spanish I introduces the student to foreign language study. The main goal is to enable the student to understand, speak, read and write Spanish on an introductory level. The student is introduced to Hispanic culture, geography and language structures in this increasingly important language. A materials fee will be charged.

SPANISH II (521)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: Recommended Grade of C in Spanish I

Spanish II begins with a review of the fundamentals of Spanish studied and then concentrates on the further development of the language skills. Emphasis will be on practical and situational vocabulary and accurate pronunciation. A materials fee will be charged.

SPANISH III (531)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: Spanish II and Recommended Grade of C in Spanish II

Spanish III continues the study of the fundamentals of Spanish on an advanced level, with an emphasis on speaking, listening, vocabulary acquisition and advanced grammatical structures. Students will continue to learn about Spanish-speaking people, their culture and customs. A materials fee will be charged.

SPANISH IV (541)

Grades: 11-12

Length: 1 year

Credit: 1 credit (0.5 weight)

Pre-requisites: Spanish III and Recommended Grade of C in Spanish III.

Spanish IV provides for the advanced study of the language through grammar, vocabulary, composition and conversational work. Students will participate in advanced conversational situations and complete presentations and projects on a variety of topics in Spanish. Students will also be introduced to more advanced literature from Spain and Central America and write essays about literature. Students will continue to learn culture through the study of Hispanic countries and literature. Students will also continue studying Hispanic history and important people in the Hispanic culture. A materials fee will be charged.

SPANISH V (551)

Grades: 12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Spanish IV and Recommended Grade of C in Spanish IV

Spanish V is for the truly advanced language student. It provides students a survey of classes students could take in a university setting, including advanced Grammar, Conversational Spanish, Literature, History (Spanish; pre-Colombian in Central/South America), Linguistics, and Writing (argumentative essay; children's literature). Students continue their study of the language through grammar, vocabulary, composition and conversational work. Students will delve deeper into the culture of Hispanic countries. A materials fee will be charged.

SPANISH FOR SPANISH SPEAKERS (510)

Grades: 9–12

Length: 1 year

Credit: 1

Pre-requisites: Native Speaker with an Advanced High Level According to the ACTFL guidelines. Will demonstrate the ability to speak with linguistic ease, confidence and competence.

Spanish for Spanish Speakers is a yearlong course that will provide native speakers an introductory level focus on advanced linguistics with a concentration in the literature and culture of the various Spanish speaking countries. The course is conducted in Spanish. It is an in-depth study of the grammatical structures of the language and the cultural variety in the Hispanic world, including the variation in Latin American and Castilian Spanish. Students taking this course will increase their written communication skills and reading proficiency. They will also understand the cultural variations of the many different Spanish speaking countries. A diagnostic assessment will be used to determine a student's most suitable placement in level I or level II of the course.

SPANISH FOR SPANISH SPEAKERS II (512)

Grades: 9–12

Length: 1 year

Credit: 1

Pre-requisites: Spanish for Spanish Speakers I

Spanish for Spanish Speakers II is a yearlong course that will provide native speakers an advanced level focus on advanced linguistics with a concentration in the literature and culture of the various Spanish speaking countries. The course is conducted in Spanish. It is an in-depth study of the grammatical structures of the language and the cultural variety in the Hispanic world, including the variations in Latin American and Castilian Spanish. Students of this course will increase their written communication skills and reading proficiency. They will also understand the cultural variations of the many different Spanish speaking countries. A diagnostic assessment will be used to determine a student's most suitable placement in level I or level II of the course.

CHINESE I (505)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: Grade of C in 8th grade or previous year in English

Chinese I introduces the student to the study of the Chinese language. Students will learn to speak, read and write on a basic level in this increasingly important world language. Students will begin to investigate the people culture and history of China.

CHINESE II (506)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: Grade of C recommended in Chinese I

Chinese II begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture of China.

CHINESE III (507)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: Grade of C recommended in Chinese I

Chinese III continues where Chinese II ends. Students will develop and refine their Chinese speaking, writing, reading, and listening skills. Cultural study of China will also continue.

CHINESE IV (508)

Grades: 11-12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of C recommended in Chinese III

Chinese IV begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. Students will be introduced to Asian literature through the study of poetry and short plays. They will also continue conversational skills through daily dialogues, presentations and skits. Students will also learn more complex grammar structures. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture and history of China. Students will also have the opportunity to participate in the Miami University singing competition each year.

CHINESE V (509)

Grades: 12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of C recommended in Chinese IV

Chinese V is for the truly advanced language student. It provides continued study of the language through grammar, vocabulary, composition and conversational work. Students will delve deeper into Chinese culture through the study of literature including poetry and plays. Students will also read classic articles and learn in-depth history and culture as well as geography. Students will continue speaking practice through conversations, dialogues and presenting plays. Students will also have the opportunity to participate in the Miami University singing competition each year.

Grade 9	Grade 10	Grade 11	Grade 12
Physical Education I	Lifetime Sports	Lifetime Sports	Lifetime Sports
	Strength Training & Conditioning	Strength Training & Conditioning	Strength Training & Conditioning
Aerobics	Aerobics	Aerobics	Aerobics
Basketball I	Basketball I	Basketball I	Basketball I
Volleyball	Volleyball	Volleyball	Volleyball
	Health		
HEALTH & PHYSICAL EDUCATION			
boldface: semester course			
NOTE: all physical education courses are 1/4 credit			

HEALTH & PHYSICAL EDUCATION PROGRAM PHILOSOPHY

Physical education provides an ongoing developmental program of physical activities for the differing physical, mental, emotional, and social needs of each student. Movement is both pleasurable and necessary to daily living. The physical education program focuses on the multitude of simple and complex body motions, which relate to movement, recreation, and athletic activities. Development of interest and skill in these areas is both necessary and desirable for maintaining a healthy and well-balanced life style. This program shall be provided without discrimination on the basis of color, national origin, race, or sex.

Each disabled child is afforded the opportunity to participate in the regular physical education program. Some modifications will usually allow for successful participation in the regular program. Adapted physical education will be offered when the child's needs cannot be met in the regular physical education class with typical functioning children.

Students participating in physical education at the high school level will be required to change from clothes worn to school into other non-restrictive clothes and athletic shoes. A materials fee will be charged at the ninth grade level.

Physical Education and Health are graduation requirements. Students need a required ½ credit (two PE courses). Physical Education I is the foundation course for all other PE courses.

HEALTH (920)

Grades: 10

Length: 1 semester

Credit: ½

Pre-requisites: None

In Health, each aspect of wellness is covered including physical, mental and social health. Students are encouraged to understand their personal health with regard to personal habits, family history and the decision making process. The class further explores the influence of friends, family and society's influence on health. Topics include: risk factors, mental health, fitness, nutrition, first aid, human development and personal responsibility.

PHYSICAL EDUCATION I (921)

Grades: 9

Length: 1 semester

Credit: ¼

Pre-requisites: None

Physical Education I is the foundation PE course. PE I provides the student opportunities to develop skills and attitudes which will promote optimum physical well-being, as well as, skills for lifelong recreational activities.

BASKETBALL I (928)

Grades: 9-12

Length: 1 semester

Credit: ¼

Pre-requisites: Physical Education I

Geared for boys and girls who enjoy team sports and demanding physical exertion and who would like to extend their skills and knowledge in the game of basketball. The first part of the course is geared to the fundamentals of dribbling, passing, shooting, positions, rebounding, and interacting within the team. The second portion of the class is geared toward game situations. This course meets part of the PE graduation requirement.

VOLLEYBALL (930)

Grades: 9-12

Length: 1 semester

Credit: ¼

Pre-requisites: Physical Education I

The beginner volleyball student learns the fundamentals of volleyball such as the pass, set, serve, and positions while learning to coordinate skills with teammates to develop an efficient team. The class will also put skills to use while students compete in volleyball game situations. This course meets part of the PE graduation requirement.

STRENGTH TRAINING and CONDITIONING (941)

Grades: 10-12

Length: 1 semester

Credit: ¼

Pre-requisites: Physical Education I

Strength Training and Conditioning is designed for the student who has a committed interest in physical fitness. This class develops advanced weight training skills. This class is an advanced physical education class. This course meets part of the PE graduation requirements.

LIFETIME SPORTS (926)

Grades: 10-12

Length: 1 semester

Credit: 1/4

Pre-requisites: Must have Health and Physical Education requirements met

This course is designed to give students an in-depth understanding of the importance of an active lifestyle. It is geared towards teaching students activities they can participate in throughout their lives. This class is focused on personal fitness and may also include golf, tennis, archery, cardiovascular fitness, hiking, badminton, and bowling. Additionally, the course is designed to enhance a student's foundation for personal fitness. It focuses on aerobic conditioning, muscular endurance, muscular strength, body composition and flexibility. Students will explore these areas in the gym, lab, and classroom. This course meets part of the PE graduation requirement.

Grade 9	Grade 10	Grade 11	Grade 12
*CP Algebra I			
*CP Algebra II	*CP Algebra II	*CP Algebra II	*CP Algebra II
*Honors Geometry	*Honors Algebra II	*CP Calculus	*CP Calculus
*Honors Algebra II	*Honors Pre-Calculus	*Honors Pre-Calculus	*Honors Pre-Calculus
Math Lab	*CP Geometry	*AP Calculus AB	*AP Calculus AB
*CP Geometry		*Honors Algebra II	*AP Calculus BC
		Modeling with Mathematics	Modeling with Mathematics
	*CP Pre-Calculus	*CP Pre-Calculus	*CP Pre-Calculus
		*Statistics	*Statistics
		*CP Trigonometry and Non Linear Functions	*CP Trigonometry and Non Linear Functions
Mathematics			
*NCAA Clearinghouse Approved			
boldface: semester course			

MATHEMATICS PROGRAM PHILOSOPHY

The mathematics program for grades K-12 is designed to develop informed, thinking citizens, capable of making decisions and arriving at logical solutions. With its emphasis on building a sound conceptual background the program will facilitate the development of each student's full ability to communicate mathematically, reason, and solve problems. The program is based on the belief that success in mathematics is a shared responsibility of the student, parents, and the school system. The widespread use of calculators and computers outside the classroom is recognized and the program will utilize their power and convenience where appropriate. This program is also based on the belief that the importance of mathematics and the ability to learn mathematics is independent of a student's sex, ethnic origin, and socio-economic status.

<p>ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES. INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES.</p>
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MATH LAB

Grades: 9

Length: 1 year

Credit: 1

Pre-requisite: None

This course focuses on improving the understanding of Algebra 1 concepts as well as strengthening arithmetic skills. The main concepts taught will include variable expressions, solving equations and inequalities, graphing lines, writing equations of lines, and solving systems of equations. The arithmetic skills will include operations with integers (positive and negative), understanding fractions, equivalent fractions, operations with fractions, understanding decimals, operations with decimals, order of operations, and operations with percents. **Administrative placement only.**

MODELING WITH MATHEMATICS (2103)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: Algebra I, Geometry

Modeling with Mathematics utilizes modeling and real world applications to essential Algebra and Geometry concepts while helping prepare students for success in Algebra II. Intended for students who have taken Algebra I and Geometry but who are not yet ready for Algebra II, this program helps solidify their understanding by providing a different kind of learning experience. With modeling with mathematics students model real-world applications with a functions approach netting a deeper grasp of the important concepts necessary for success in Algebra II. **Needs a Teacher Recommendation.**

CP ALGEBRA I (212)

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: None

CP Algebra I introduces the student to abstract thinking. The course includes in-depth study of the properties of real numbers, and the solving and graphing of linear sentences. Included is a study of quadratic equations, factoring, and the quadratic formula. Algebra I is the foundation for the higher mathematics courses. Scientific calculators are used, as determined by the District.

CP GEOMETRY (222)

Grades: 9-10

Length: 1 year

Credit: 1

Pre-requisites: CP Algebra I

CP Geometry is the study of the relationships of lines, planes, triangles, and other geometric figures, in both two dimensions and three dimensions, as an idealized model of our physical environment. The properties of these figures are developed by experimentations and intuition. These properties are then proved by logical deduction. Scientific calculators are used. Students must have the approved calculator as determined by the District.

HONORS GEOMETRY (223)

Grades: 9

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of A or B grade in CP Algebra I, Teacher Recommendation

Honors Geometry is the study of the relationships of lines, planes, triangles, and other geometric figures, in both two dimensions and three dimensions, as an idealized model of our physical environment. The properties of these figures are developed by

experimentations and intuition. These properties are then proved by logical deduction. Scientific calculators are used. Students must have the approved calculator as determined by the District. Honors Geometry is a fast-paced course designed for students wishing to take Calculus their senior year.

CP ALGEBRA II (232)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: *Honors Geometry or Geometry*

CP Algebra II is an extension of the concepts introduced in Algebra I. Emphasis is on the structure of mathematics combined with systematic instruction in the techniques of algebra as a reflection of its structure. Its chief aims are to clarify, simplify and unify concepts in mathematics that deepen understanding. Graphing calculators are used.

HONORS ALGEBRA II (221)

Grades: 9-11

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: *Grade of A or B in Honors Geometry*

Honors Algebra II is similar to CP Algebra II, but progresses at a more rapid pace and in greater depth to accommodate the advanced mathematics student. Graphing calculators are used.

CP PRE-CALCULUS (230)

Grades: 10 - 12

Length: 1 year

Credit: 1

Pre-requisites: *Algebra II or Honors Algebra II, Teacher Recommendation*

Pre-Calculus includes the study of polynomial, rational, radical, logarithmic, and exponential, advanced algebra, and trigonometry. This college preparatory course is offered to those students who have passed Algebra II or Honors Algebra II. Graphing calculators are required: TI-83+, TI-84 or other appropriate graphing calculator (at student's expense)

HONORS PRE-CALCULUS (231)

Grades: 10-12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: *Grade of A in Algebra II, or Grade of A or B in Honors Algebra II*

Honors Pre-Calculus includes the study of polynomial, rational, radical, logarithmic, and exponential functions, advanced algebra, complex numbers, vectors, and polar and parametric equations. This advanced course is offered to those superior students in Honors Algebra II or Algebra II. Graphing calculators are required: TI-83+, TI-84 or other appropriate graphing calculator (at student's expense).

STATISTICS (242)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: *Algebra II*

All students who intend to pursue mathematics, business, social science, or science fields of study in college will find the course beneficial for their futures. The topics will include: probability; data presentation and collection; measures of dispersion; central tendencies; the binomial and normal distributions; and regression models.

CP TRIGONOMETRY AND NON LINEAR FUNCTIONS (243)

Grades: 11-12
Length: 1 year
Credit: 1
Pre-requisites: Algebra II

Trigonometry and Non-Linear Functions is a college-preparatory course for students who want to continue their studies in mathematics beyond Algebra II with the possibility of taking Calculus in the future. The course is taught from a functions perspective using analytic, numeric, and graphical approaches with practical applications and the use of technology.

CP CALCULUS (240)

Grades: 11-12
Length: 1 year
Credit: 1 (0.5 weight)
Pre-requisites: Honors Pre-Calculus, Teacher Recommendation

Calculus, the culmination of the advanced math program, is the study of functions and their relationship to rates of change and motion. The concept of limit is used throughout the course to motivate definitions and formulas and to make plausible the central notions of integration and differentiation. Major emphasis is on analytically, numerically, and graphically developing skills of integration and differentiation and solving problems related to integration and differentiation. Graphing calculators are required: TI-83+, TI-84 or other appropriate graphing calculator (at student's expense).

AP CALCULUS AB (241)

Grades: 11-12
Length: 1 year
Credit: 1 (1.0 weight)
Pre-requisites: A or B in Pre-Calculus, Teacher Recommendation

AP Calculus AB is similar to Calculus, with the addition of a requirement to take the Calculus AB Advanced Placement (AP) Examination. Instruction and pacing will be dictated solely by the AP Exam. All students enrolled in Advanced Placement classes understand that the purpose of the course is to prepare them for passing the Advanced Placement test. All students enrolled in AP Calculus AB must take the AP Calculus AB examination in May (at student-paid expense of approximately \$91).

AP CALCULUS BC (238)

Grades: 12
Length: 1 year
Credit: 1 (1.0 weight)
Pre-requisites: A or B in AP Calculus AB

AP Calculus BC is a continuation of AP Calculus AB. Like AP Calculus AB, students take the Calculus BC Advanced Placement (AP) Examination. Instruction and pacing will be dictated solely by the AP Exam. All students enrolled in Advanced Placement classes understand that the purpose of the course is to prepare them for passing the Advanced Placement test. All students enrolled in AP Calculus BC must take the AP Calculus BC examination in May (at student-paid expense of approximately \$91).

Grade 9	Grade 10	Grade 11	Grade 12
Band	Band	Band	Band
Orchestra	Orchestra	Orchestra	Orchestra
Color Guard	Color Guard	Color Guard	Color Guard
Men's Chorus	Men's Chorus	Men's Chorus	Men's Chorus
Women's Chorale	Women's Chorale	Women's Chorale	Women's Chorale
	Concert Choir	Concert Choir	Concert Choir
	Choraleers	Choraleers	Choraleers
	Varsity Ensemble	Varsity Ensemble	Varsity Ensemble
	Foundations of Music Theory & Composition	Foundations of Music Theory & Composition	Foundations of Music Theory & Composition
PERFORMING ARTS			
boldface: semester course			

PERFORMING ARTS PROGRAM PHILOSOPHY

The Performing Arts Department is organized to ensure that students experience, understand and value the performing arts in everyday life as contributing citizens of a diverse society. While the bands and choirs do provide a service to the school and community through performance, these performances are an out-growth of the classroom activities and are not the primary purpose of their existence.

**ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES.
INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES.**

MEN'S CHORUS (814)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: *Previous enrollment in a choir class or Director Approval*

Men's Chorus will help develop vocal competence and individual musicianship in male students. Vocal skill will be developed through ensemble and choral experiences, studying music unique to men's ensembles. Men's Chorus will perform in concerts throughout the year and requires attendance at out-of-school rehearsals and performances when so scheduled. A wardrobe fee will be charged.

WOMEN'S CHORALE (825)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: Previous enrollment in a choir class or Director Approval

Women's Chorale will help develop vocal competence and individual musicianship in female students. Vocal skill will be developed through ensemble and choral experiences, studying music unique to treble voices. Women's Chorale will perform in concerts throughout the year and required attendance at out-of-school rehearsals and performances when so scheduled. A wardrobe fee will be charged.

CONCERT CHOIR (826)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: Director Approval by Audition

Concert Choir studies choral literature from all periods of history. It performs in concerts during the year and participates in competitive events. Membership requires attendance at out-of-school rehearsals and performances when so scheduled. A wardrobe fee will be charged.

CHORALEERS

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: Director Approval by Audition

Choraleers studies choral literature which is unique to an advanced women's chorus. Incorporation of some choreography is combined with advanced musical skills. They will perform at concerts, contests, civic functions and community events. Membership requires attendance at out-of-school rehearsals and performances when so scheduled. A wardrobe fee will be charged.

VARSITY ENSEMBLE (850)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: Director Approval by Audition

Varsity Ensemble studies choral literature which is unique to a highly advanced chorus. Incorporation of some choreography is combined with advanced musical skills. They will perform at concerts, civic functions and community events. Membership requires attendance at out-of-school rehearsals and performances when so scheduled. A wardrobe fee will be charged.

BAND (822)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: Director Approval; Experience with a Musical Instrument

Band performs the best of concert literature for wind bands from all periods of history. It prepares and presents concerts throughout the year and also participates in competitive events. This band will function as a Marching Band during the first ten

weeks. The Marching Band performs at all home and some away football games during the football season. Membership requires attendance at all out-of-school rehearsals and performances when so scheduled, including participation in summer band camp for two weeks. Inability to attend these training camps could delay participation in the marching band, and may result in not being enrolled in band at all. A band camp fee, uniform fees, and a pay-to-play fee will be charged for this program.

ORCHESTRA (824)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: *Director Approval; Experience with a Musical Instrument*

Orchestra further develops skills of string instrumentalists. It performs the best of concert literature, studying examples from all periods of history throughout the year and participates in competitive events. Wind and percussion players are selected from Band by audition. This organization serves as the pit orchestra for musicals. Membership requires attendance at all out-of-school rehearsals and performances. A wardrobe fee will be charged. Materials fee applies to specific instruments.

FOUNDATIONS OF MUSIC THEORY & COMPOSITION (835)

Grades: 10-12

Length: 1 semester

Credit: ½

Pre-requisites: *Previous Enrollment in a High School Level Music Ensemble or Teacher Approval*

Foundations of Music Theory & Composition introduces students to the fundamentals, or foundations, of music theory and composition. Study in this area is extremely helpful preparation for students considering collegiate majors and professional careers in music related fields. Key topics include the study of clefs, scales and modes, key signatures, intervals, chord structure, musical form and basic harmonic concepts. In conjunction with music theory, students learn aural skills (also known as applied theory) on which they apply their knowledge of theory into sight singing, hearing and dictation. Students also learn to use music technology as an aid to their creative writing and have opportunities to create original compositions while also studying the compositions of major composers in a variety of musical styles and eras.

COLOR GUARD (866)

Grades: 9-12

Length: 1 semester

Credit: ½

Pre-requisites: *Audition*

Color Guard is a part of the marching band during the first ten weeks of the first semester. The Color Guard performs at all home football games, most away football games during the football season, and some parades. Membership requires attendance at all performances when scheduled, including one week of summer band camp. After marching band season, those students in band will return to their specific concert band. Those not in band will study Modern Dance, with an emphasis on body mechanics, physical conditioning, choreography, and the historical development of Modern Dance and other dance forms, such as ballet, jazz, etc. A band camp fee, uniform fee, and pay-to-play fee will be charged for this program.

HONORS MUSIC EXTENSION

Grades: 9-12

Length: 1 year

Credit: *Will give and honors credit to the existing music credit*

Pre-requisites: *Approval of director of music program*

An optional program that engages current music students in advance studies that are designed to challenge accomplished performers, reinforce college-readiness skills, explore musical career options, and encourage community engagement beyond the scope of the regular music curriculum. The extension is available to students in 10th -12th grades, with director approval, who have demonstrated accomplishment in the standard music curriculum. Requirements include a Musical Growth Plan, eight major projects, and a performance jury. Students who successfully complete the Honors Music Extension are rewarded with a one-time weighted music credit per discipline (band/choir/orchestra).

Grade 9	Grade 10	Grade 11	Grade 12
*CP Physical Science	*CP Biology		
*Honors Physical Science	*Honors Biology		
		*CP Chemistry	*CP Chemistry
	*Honors Chemistry	*Honors Chemistry	*Honors Chemistry
		*CP Physics	*CP Physics
		*Anatomy & Physiology	*Anatomy & Physiology
		*Environmental Science	*Environmental Science
		*Earth Science	*Earth Science
		*Geology	*Geology
		*AP Chemistry	*AP Chemistry
		*AP Physics 1	*AP Physics 1
		AP Physics 2	AP Physics 2
SCIENCE			
*NCAA Clearinghouse Approved			
boldface: semester course			

SCIENCE PROGRAM PHILOSOPHY

The scientific and technological revolution has produced an explosion of knowledge that has stimulated a rapidly changing society. Society, in turn, demands an education designed to meet the challenge of change. How humanity interacts with, controls, and preserves our natural world is increasingly important. Citizens need to understand the conceptual processes and investigational procedures of science to make responsible political and social decisions. An awareness of the existence and importance of science working in their lives, and knowledge of scientific principles and methods prepares students for adult responsibility in a technological society.

All students are required to select a program which includes one course in biological science, one course in physical science, and one additional science. However, it is recommended all students complete four years of science. There are many appropriate options and sequences for the student who has special interest or career plans related to science.

**ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES.
INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES.**

College Program	9 th grade	10 th Grade	11 th Grade	12 th Grade
Non-Science Careers	Physical Science*	Biology*	Chemistry* Environmental Science	Physics
Health Science Careers	Physical Science*	Biology*	Chemistry* Anatomy and Physiology	Physics AP Chemistry
Environmental Science Careers	Physical Science*	Biology*	Chemistry* Environmental Science	Physics Earth Science/Geology
Science and Engineering Careers	Physical Science*	Biology* Chemistry*	AP Chemistry AP Physics 1	AP Physics 2

CP PHYSICAL SCIENCE (316)

Grades: 9
 Length: 1 year
 Credit: 1
 Pre-requisites: None

CP Physical Science will examine the laws of nature as they apply to earth and space. Physical concepts will include: nature of matter and energy, identifiable physical properties of substances, and the forces that act on and within objects. This course will cover motions, structures, and properties of atoms. Earth and space topics will include processes that move and shape the earth: interactions of the solar system, gravitational forces and weather.

HONORS PHYSICAL SCIENCE (326)

Grades: 9
 Length: 1 year
 Credit: 1 (0.5 weight)
 Pre-requisites: Honors Geometry or Algebra II concurrently and Teacher Approval

Honors Physical Science will explore the same principles as CP Physical Science with greater depth and at an accelerated pace. Students will examine the laws of nature as they apply to earth and space with emphasis on reading of technical materials, performing experiments, and doing research.

CP BIOLOGY (311)

Grades: 10
 Length: 1 year
 Credit: 1
 Pre-requisites: CP or Honors Physical Science

CP Biology is a fast-paced college preparatory class taken primarily at the tenth-grade level. This course examines life and emphasizes the study of cellular structure and function, reproduction, metabolism, homeostasis, heredity, evolution, and interdependence. Students will apply major biological and scientific concepts to laboratory experiences where data and analyses will be recorded in standard scientific format. This course is aligned with the Ohio Graduation Test tenth-grade standards. This course must be passed before taking any science electives.

HONORS BIOLOGY (332)

Grades: 10

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of A or B in Honors Physical Science

Honors Biology will explore the same biological concepts as Biology I. However, Honors Biology will proceed at an accelerated pace and will include more readings from technical resources, as well as more laboratory and independent research. Honors Biology students must be able to apply scientific learning to real-life situations.

CP CHEMISTRY (322)

Grades: 11-12 (grade 10 limited)

Length: 1 year

Credit: 1

Pre-requisites: Algebra I (earning a C or above recommended) and CP or Honors Physical Science & Biology (concurrent)

Chemistry I develops the basic concepts of the composition and structure of matter. Students will investigate the chemical and physical changes in matter with heat and the reactions that can occur when substances interact. These concepts develop as a result of many laboratory-based investigations concerning the properties of matter. The course emphasizes the many experimental, thinking, and problem-solving skills utilized in science. A good foundation of algebra skills will be reviewed, developed, and applied to chemical calculations. Students will be required to have a scientific calculator, three-ring binder, and 2 composition notebooks.

HONORS CHEMISTRY (331)

Grades: 10-12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Algebra I (earning an A/B grade recommended), Geometry, Algebra II

Honors Chemistry will explore the same chemical principles as CP Chemistry. Honors Chemistry will proceed at an accelerated pace and will include more readings from technical resources, as well as more laboratory and independent research. Honors Chemistry will address the needs of college bound students interested in science, engineering, and health care careers. Student will be required to have a scientific calculator, 3-ring binder, and 2 composition notebooks (one quadrille ruled).

AP CHEMISTRY

Grades: 11-12

Length: 1 year

Credit: 1 (1 weight)

Pre-requisites: Grade of A or B in CP or Honors Chemistry I, Algebra I, and Algebra II

AP Chemistry is an advanced course that addresses the fundamental chemical theories and mathematical relationships that apply to these theories. This course is comparable to a college level general chemistry course in both scope and rigor. Laboratory experiences include qualitative analysis and other activities that require sophisticated reasoning and refined techniques. Students enrolled in this course will prepare to take the AP Chemistry examination in May (at student expense of approximately \$91).

CP PHYSICS (341)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: *Physical Science, Biology, Algebra II (may be concurrent)*

Physics is the study of the relationship of matter and energy on a larger scale as compared to chemistry. The topics covered will be in the areas of kinematics, mechanics, electricity and magnetism, optics, and acoustics. Laboratory investigations are used to investigate physical relationships. Problem solving techniques are stressed. Students are required to have a scientific calculator.

AP PHYSICS 1 (348)

Grades: 11-12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: *Physical Science, Algebra 2(Trigonometry)*

AP Physics I : Algebra and Trigonometry-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The course is fast-paced, and nightly work and study is expected. All AP Physics I student must take the AP Physics I Exam in May (at student paid expense of approximately \$91).

AP PHYSICS 2 (349)

Grades: 11-12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: *Physical Science, Algebra 2(Trigonometry) and AP Physics I*

AP Physics 2: Algebra and Trigonometry-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. The course is fast-paced, and nightly work and study is expected. All AP Physics II students must take the AP Physics II Exam in May (at student paid expense of approximately \$91).

ANATOMY AND PHYSIOLOGY (344)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: *Biology*

Anatomy and Physiology is an advanced elective science course. Throughout the year we will study the history of medicine and the diagnostic process, as well as the form and function of the human body with emphasis on health and disease. We will complete the year with the dissection of a mammalian model and review of all body systems. A materials fee will be charged.

ENVIRONMENTAL SCIENCE (390)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: *Physical Science & Biology*

Environmental Science will focus on the studies of the environment including ecology, populations, and current events related to ecology. There will be an emphasis on laboratory experiences and investigations. The understanding of plant and animal life is of utmost importance in understanding the balance of nature and how man's interactions affect that fragile balance of nature.

EARTH SCIENCE (312)

Grades: 11-12

Length: 1 semester

Credit: 1/2

Pre-requisites: Physical Science & Biology

Earth Science looks at the physical parts of our planet, the solar system and the universe. Students will learn more about the Big Bang Theory, constellations, galaxies, star and solar system formation, formation of the Earth and Moon, the relationship of the Sun, Earth and Moon, and the oceans and the atmosphere. Students will gain an understanding of how scientists develop current ideas regarding Earth's history and the processes that are at work on our planet and in our universe.

GEOLOGY (395)

Grades: 11-12

Length: 1 semester

Credit: 1/2

Pre-requisites: Physical Science & Biology

Geology looks at the physical parts of our planet. Students will study rocks and minerals, topography, natural resources, and Plate Tectonics as well as human impact on Earth. Students will gain an understanding of the resources available on our planet and the processes that create them as well as the demand for future resources.

Grade 9	Grade 10	Grade 11	Grade 12
*CP World History	*CP American History		
*Honors World History	*Honors American History		
		*AP United States History	*AP United States History
	*African American Studies	*African American Studies	*African American Studies
		*World Affairs	*World Affairs
		*US Government	*US Government
		*Economics	*Economics
SOCIAL STUDIES			
*NCAA Clearinghouse Approved			
boldface: semester course			

SOCIAL STUDIES PROGRAM PHILOSOPHY

To make intelligent choices in an interdependent, global environment, it is necessary that students acquire knowledge, utilize critical thinking, and develop process and conflict management skills. To foster positive interpersonal and inter-group relations, it is necessary that students develop a sense of cultural heritage and the value of human dignity in a multicultural, democratic society.

It is the intent of the social studies program in Winton Woods City Schools to promote these attributes in students to assure that they become citizens of a democratic society who are sensitive to the rights, responsibilities, and needs of themselves, others, and society. Students will be prepared to participate fully in social, political, and economic life.

Students are required to take American History, Government, and either Economics or World Affairs to meet part of the district graduation requirements.

<p>ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES. INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES</p>

CP WORLD HISTORY (422)

Grades: 9
Length: 1 year
Credit: 1
Pre-requisites: None

CP World History is a chronological survey of world history events beginning with the Enlightenment period around 1750 to the present day. The student will acquire an understanding of the cause and effect relationship of past events, and make connections to modern events in areas such as Europe, Asia, South America and Africa. This course is all inclusive factoring ideas from economics, geography, government, citizenship and other social studies skills.

HONORS WORLD HISTORY (421)

Grades: 9
Length: 1 year
Credit: 1 (0.5 weight)
Pre-requisites: Grade of A or B in previous social studies course

Honors World History is a freshman course that presents a chronological survey of world history. The course begins with an overview of the Renaissance period leading to the Age of Enlightenment, and continues the study of events through modern times. Students compare and contrast, examine, discuss, debate, and analyze major events of history in order to gain an understanding of how economics, geography, government and other factors have played a part in shaping the course of history, past and present.

CP AMERICAN HISTORY (434)

Grades: 10
Length: 1 year
Credit: 1
Pre-requisites: CP World History

CP American History will investigate events in United States History beginning with the post Reconstruction era of the late 19th century and continuing through to the present. Significant attention will be given to 20th century events and their impact on American society. The study of government, geography, economics, citizenship, and people in society will be included in this course, as it pertains to different events in the history of the United States. Critical thinking skills, writing skills, and the ability to organize and evaluate information from both primary and secondary sources will also be a focus of this course.

HONORS AMERICAN HISTORY (435)

Grades: 10
Length: 1 year
Credit: 1 (0.5 weight)
Pre-requisites: Honors World History

Honors American History will investigate events in United States History beginning with the post Reconstruction era of the late 19th century and continuing through to the present. Significant attention will be given to 20th century events and their impact on American society. The study of government, geography, economics, citizenship, and people in society will be included in this course, as it pertains to different events in the history of the United States. Critical thinking skills, writing skills, and the ability to organize and evaluate information from both primary and secondary sources will also be a focus of this course.

ADVANCED PLACEMENT (AP) UNITED STATES HISTORY (430)

Grades: 11-12
Length: 1 year
Credit: 1 (1.0 weight)
Pre-requisites: Grade of B or better in Honors Level English, Honors World History, Honors American History

AP American History is an in-depth study of American History using a chronological and analytical approach. It is designed for the serious social studies student who desires a college level course and may possibly receive college credit. Students are also encouraged to expand their understanding of history through research, evaluation of original documents and essay writing. Students will be required to do summer reading which will be included in the first quarter grade. All students enrolled in Advanced Placement classes understand that the purpose of the course is to prepare them for passing the Advanced Placement test. All students enrolled in AP American History must take the AP United States History examination in May (at student-paid expense of approximately \$91).

AFRICAN AMERICAN STUDIES (438)

Grades: 10-12
Length: 1 semester
Credit: ½
Pre-requisites: None

African American Studies explores the African American experience in America throughout periods of American History. Through a study of historical events, literature, art, and music, students will gain valuable insights into the political and social movements that helped shape the total African-American experience.

WORLD AFFAIRS (441)

Grades: 11-12
Length: 1 semester
Credit: ½
Pre-requisites: None

World Affairs is an advanced study of political science with emphasis on international relations since 1940. The American form of government is compared to other political systems. Also included is a detailed study and comparison of the world's major economic systems. Students are expected to maintain an awareness of current world events to add immediate perspective to political and economic theory and international relations.

ECONOMICS (445)

Grades: 11-12
Length: 1 semester
Credit: ½
Pre-requisites: None

Economics centers around the functioning of the market system with an emphasis on the American capitalistic economy. Students will receive an up-to-date introduction to the economic system and the student's role in it. This course is to help students gain a greater respect for the United States economic system while realistically portraying the contribution of both sexes and minorities within this system. In addition, special emphasis will be placed on financial literacy for students according to the NEFE (National Endowment for Financial Education www.NEFE.org) standards.

U. S. GOVERNMENT (440)

Grades: 11-12
Length: 1 year
Credit: 1
Pre-requisites: None

This required course is designed to ensure that all students are familiar with governmental structure at the federal, state, and local levels. With a focus on the legislative, executive, and judicial functions of our government, students will study current federal, state, and local issues. This year-long course is a required course that can be taken during the junior or senior year.

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Art 2-D	Intro to Art 2-D	Intro to Art 2-D	Intro to Art 2-D
Intro to Art 3-D	Intro to Art 3-D	Intro to Art 3-D	Intro to Art 3-D
Honors Intro to Art	Two-Dimensional Art	Two-Dimensional Art	Two-Dimensional Art
	Three-Dimensional Art	Three-Dimensional Art	Three-Dimensional Art
Introduction to Digital Photography and Editing	Introduction to Digital Photography and Editing	Introduction to Digital Photography and Editing	Introduction to Digital Photography and Editing
	Digital Photography II	Digital Photography II	Digital Photography II
		Advanced Art	Advanced Art
			Advanced Placement (AP) Studio Art-Drawing
VISUAL ARTS			
boldface: semester course			

VISUAL ARTS PROGRAM PHILOSOPHY

In order to develop the knowledge, understanding, and appreciation of our past heritage and its relationship to present society, it is essential that students pursue the study of art. By producing and responding to art, students gain an understanding of the world through individual expression and interpretation. The study of art is a means whereby students can acquire the self-discipline needed to achieve a positive self-image through the development of problem solving techniques and technical skills. The study of art provides a means to foster aesthetic awareness, social interaction, and overall enjoyment, which promotes the transmission of our cultural heritage.

**ENROLLMENT WILL DETERMINE THE AVAILABILITY OF COURSES.
INSUFFICIENT NUMBERS MAY RESULT IN THE CANCELLATION OF COURSES.**

INTRODUCTION TO ART 2-D (811)

Grades: 9-12
Length: 1 semester
Credit: 1/2
Pre-requisites: None

Introduction to Art I is an entry-level class where students will explore two-dimensional media. Students will learn design processes, drawing skills, and painting techniques throughout the semester. Art history and career exploration are also included in this course. This course is a prerequisite for Two-Dimensional Art. A materials fee will be charged.

INTRODUCTION TO ART 3-D (812)

Grades: 9-12
Length: 1 semester
Credit: 1/2
Pre-requisites: None

Introduction to Art II is an entry-level class where students will explore three-dimensional media. Students will learn how to design and create ceramics along with other sculptural forms in various materials. Students will also explore methods of printmaking in this course. Art history and career exploration are also included in this course. This class is a prerequisite for Three-Dimensional Art. A materials fee will be charged.

HONORS INTRODUCTION TO ART

Grades: 9-12
Length: 1 year
Credit: 1 (0.5 weight)
Pre-requisites: 8th grade Honors Art

This class is available to Gifted and Talented art students as an alternative introductory prerequisite to courses in art. Content from both Introduction to 2D Art and Introduction to 3D Art is studied and practiced at a thorough and rigorous pace. Art history, philosophy, criticism, and production are all combined into comprehensive projects that encourage creativity and individuality from each student. Necessary materials are provided.

TWO-DIMENSIONAL ART (820)

Grades: 10-12
Length: 1 year
Credit: 1
Pre-requisites: Introduction to Art I

Two-Dimensional Art provides the student the opportunity to pursue an interest in drawing, painting and design, through a variety of media that may include pencil, pastel and charcoal, watercolor, acrylic, printing inks, and textile inks. As the student progresses over the course of the school year, the student will investigate historical and present day art movements and artists that correspond to their own art work. All projects may be used as the beginning foundation for art portfolios needed for admittance into a college, university, or art school, and for AP art. Students will also have the opportunity to enter completed art works into art contests and scholarship competitions. A materials fee will be charged.

THREE-DIMENSIONAL ART (830)

Grades: 10-12
Length: 1 year
Credit: 1
Pre-requisites: Introduction to Art II

Three-Dimensional Art provides the student the opportunity to pursue and interest in sculpture through a variety of media and processes, that may include clay, metals, fibers, potters wheel, and additive and subtractive processes. As the student progresses over the course of the school year, the student will investigate historical and present day art movements and artists that correspond to their own art work. Students will study the development and changing roll of public sculpture as it relates to culture and society. Students will also have the opportunity to enter completed art works into contests and scholarship competitions. A materials fee will be charged.

INTRODUCTION TO DIGITAL PHOTOGRAPHY AND EDITING (813)

Grades: 9-12
Length: 1 semester
Credit: ½
Pre-requisites: None

This course is designed to teach students the elements and principles of visual art through digital photography. Students will be taught how to use a camera's appropriate settings, how to compose original high quality images, and how to edit their work using Photoshop. Fees will provide USB drives to create a digital portfolio to be kept by the student at the end of the course, photograph quality paper, and access to course equipment. **There is a fee of \$50.00.**

DIGITAL PHOTOGRAPHY II (809)

Grades: 10-12
Length: 1 year
Credits: 1
Pre-requisites: *Introduction to Digital Photography and Editing*

This year-long course is designed to follow the semester-long course, Introduction to Digital Photography and Editing. With the fundamental aspects of photography and editing already addressed, students will pursue more advanced techniques. A showcase of breadth, thematic concentration, and firm understanding of the elements and principles of 2D visual art will be the primary goal of portfolio production in this course. This portfolio is intended to prepare students for college admissions and hone their skills for pursuit of a career in the visual arts. **There is a fee of \$90.00**

ADVANCED ART (840)

Grades: 11-12
Length: 1 year
Credit: 1
Pre-requisites: *Introduction to Art and Two-Dimensional Art or Three-Dimensional Art.*

This class provides an intensive study of both Two-Dimensional and Three-Dimensional Art, with an emphasis on portfolio development and presentation. There is an emphasis on art history, culture and contemporary trends, as it relates to the student's art work. Professional Artists from the community will also visit class, and the students are required to enter work into various art shows and competitions on a local and national basis. A materials fee will be charged.

ADVANCED PLACEMENT (AP) STUDIO ART: DRAWING (841)

Grades: 12
Length: 1 year
Credit: 1 (1.0 weight)
Pre-requisites: *Introduction to Art I, Two-Dimensional Art and/or Advanced Art*

Advanced Placement (AP) Drawing provides an intensive study in Two-Dimensional Art, emphasizing the three sections of the National AP requirement of Quality, Concentration, and Breadth. The collection at the Cincinnati Art Museum, Taft Museum of Art, and the Contemporary Art Center will be a basis for developing the Concentration section of the AP portfolio. Professional Artists from the community will also visit class, and the students are required to enter work into various art shows and competitions on a local and national basis. All AP students are required to take the AP Exam and pay the AP Examination Fee (approximately \$91).

SPECIALIZED COURSES

JCG (Jobs for Cincinnati Graduates)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisite: *Application only*

Jobs for Cincinnati Graduates is a full year elective course, which prepares students for life after graduation by equipping them with employment competencies that will prepare them to secure a quality job and or pursue postsecondary education and or training that leads to a career. The JAG nationally accredited curriculum will cover a minimum of 37 core competencies engaging students in such topics and activities: Life skills, community service/service learning projects, internships and job shadowing, leadership development, and a year of follow – up activities. Students enjoy being able to lead classroom discussions, analyze current events and “real life” situations, developing service learning projects, and enjoy informative presentations from working career professionals. **Application required.**

YEARBOOK (136)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisites: *Application*

Yearbook is a class where students create **Calumet**, the Winton Woods High School Yearbook. Students will learn electronic and digital layout, basic photography techniques, and copy writing. Students are expected to use some out of class/out of school time to collect yearbook information (e.g. photographs).

STUDY SKILLS (4563)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: *Administrative or Guidance Placement Only*

Study Skills is for identified students as a daily means of academic support. Students will learn basic study skills and time management techniques. Students will also be given opportunity to work one-on-one with the teacher to support academic performance. This class is offered on a Pass-Fail basis.

LIFE SKILLS (4563)

Grades: 9-10

Length: 1 year

Credit: 1

Pre-requisites: *Administrative or Guidance Placement Only*

Life Skills class offers students the opportunity to develop the skills necessary to navigate the world of independent living. Life Skills will introduce students to budgets, earning money, meal planning and making, job applications, income tax and other topics related to transitioning from dependent to independent living. Students will practice Life Skills in structured real world settings with guidance from and Intervention specialist.

ESL (500)

Grades: 9-12

Length: 1 year

Credit: 1

Pre-requisites: *Administrative or Guidance Placement Only*

ESL is designed for students who speak English as a Second Language with little or no competency. The emphasis in the course is on oral and written production of the English language.

SENIOR LATE ARRIVAL (950)

SENIOR EARLY DISMISSAL (960)

Grades: 12

Length: 1 semester

Credit: 0

Pre-requisites: Application & Administrative Approval Only

Seniors are highly encouraged to take a challenging course of study during their senior year at Winton Woods High School. An additional course may be more beneficial than late Arrival or Early Dismissal. Seniors who meet established criteria, however, may choose a Late Arrival or Early dismissal option.

Late Arrival/Early Dismissal criteria:

1. Student must have earned a minimum of 18 credits by the start of the senior year.
2. Students must have at least 93% attendance their junior year.
3. Students must complete the Late Arrival early Dismissal option.

Senior Late Arrival/Early Dismissal can be revoked by administration at any time for failure to pass all classes, exhibit good behavior, and maintain 93% attendance.

Student-athletes are HIGHLY ENCOURAGED to take 7 classes. Please consult your counselor to make sure you meet academic eligibility and NCAA Clearinghouse requirement.

ON-LINE ELECTIVE OPTIONS FOR WINTON WOODS HIGH SCHOOL

(Offered through the PLATO Learning System)

Please see the course list located in the Guidance Department.

ACADEMY OF GLOBAL STUDIES

Academy of Global Studies Course Sequence			
Year 1: Grade 9	Year 2: Grade 10	Year 3: Grade 11	Year 4: Grade 12
Algebra I, Geometry or Algebra II	Geometry or Algebra II	Algebra II or Pre-Calculus Statistics or Trigonometry & Non-Linear Functions	Pre-Calculus or Calculus Statistics or Trigonometry & Non-Linear Functions
Physical Science	Biology	Chemistry	Physics or AP Physics 1
AGS World Studies and English 9	AGS American Studies and English 10	AP US Government & Politics and English 11	AP Human Geography and English 12
Spanish I or II	Spanish II or III	Spanish III or IV	Spanish IV or V
Mandarin Chinese I or II	Mandarin Chinese II or III	Mandarin Chinese III or IV	Mandarin Chinese IV or V
Global Seminar 9	Global Seminar 10	Global Seminar 11	<i>Senior Capstone</i>
<i>PE (2 @ 0.25 each)</i>	<i>Heath (0.5)</i>	<i>Financial Literacy</i>	<i>Elective</i>
<i>Elective</i>	<i>Elective</i>	<i>Elective</i>	<i>Elective</i>

GRADE 9 COURSES

AGS WORLD STUDIES (A4174 un-weighted)

AGS HONORS WORLD STUDIES (A4172 weighted)

AGS ENGLISH 9 (A1316 un-weighted)

AGS HONORS ENGLISH 9 (A1317 weighted)

Grades: 9

Length: 1 year

Credit: 1 for AGS World Studies and 1 for AGS English 9

Pre-requisites: none

This team-taught course is a chronological survey of world history events from both the Western and the Eastern perspective. Students will acquire an understanding of the cause and effect relationship of past events, and make connections to modern events in the world regions of Europe, Asia, South America, and Africa. This course contains significant geography content. Critical thinking skills, content specific vocabulary, traditional grammar, and the ability to organize and evaluate information from both primary and secondary sources will be a focus of this course. Students will study literature, poetry, and non-fiction through a global lens, and examine the relationship and impact of world events on literature of the time. Within each unit, students will read and study an array of world literature, poetry, and non-fiction to support their knowledge of the time period. There will also be a heavy focus on college-bound, thesis-driven research and composition skills, as well as writing expository, narrative, and persuasive essays. This course is designed for project-based learning where students work in groups to solve problems and present formally to real audiences. This meets the ninth grade requirement for English and Social Studies. This course is only available to Academy of Global Studies students.

Note: This course is the combination of two courses: *Writing the World and Global Perspectives in History*.

ALGEBRA I (A2122 non-weighted)**HONORS ALGEBRA I (A2132 weighted)**

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: None

CP Algebra I introduces the student to abstract thinking. The course includes in-depth study of the properties of real numbers, and the solving and graphing of linear sentences. Included is a study of quadratic equations, factoring, and the quadratic formula. Algebra I is the foundation for the higher mathematics courses. Scientific calculators are used, as determined by the District. This course is taught in a technology-infused, Problem-Based Learning (PrBL) format. This course is only available to Academy of Global Studies students.

ALGEBRA II (A2124 non-weighted)**HONORS ALGEBRA II (A2123 weighted)**

Grades: 9-11

Length: 1 year

Credit: 1

Pre-requisites: Honors Geometry or Geometry

CP Algebra II is an extension of the concepts introduced in Algebra I. Emphasis is on the structure of mathematics combined with systematic instruction in the techniques of algebra as a reflection of its structure. Its chief aims are to clarify, simplify and unify concepts in mathematics that deepen understanding. Graphing calculators are used. This course is taught in a technology-infused, Problem-Based Learning (PrBL) format. This course is only available to Academy of Global Studies students.

GEOMETRY (A2222 non-weighted)**HONORS GEOMETRY (A2232 weighted)**

Grades: 9

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of A or B grade in CP Algebra I, Teacher Recommendation

Geometry is the study of the relationships of lines, planes, triangles, and other geometric figures, in both two dimensions and three dimensions, as an idealized model of our physical environment. The properties of these figures are developed by experimentations and intuition. These properties are then proved by logical deduction. Scientific calculators are used. Students must have the approved calculator as determined by the District. Honors Geometry is a fast-paced course designed for students wishing to take Calculus their senior year. This course is taught in a technology-infused, Problem-Based Learning (PrBL) format. This course is only available to Academy of Global Studies students.

PHYSICAL SCIENCE (A3162 non-weighted)**HONORS PHYSICAL SCIENCE (A3262 weighted)**

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: None

Physical Science will examine the laws of nature as they apply to earth and space. Physical concepts will include: nature of matter and energy, identifiable physical properties of substances, and the forces that act on and within objects. This course will cover motions, structures, and properties of atoms. Earth and space topics will include processes that move and shape the earth: interactions of the solar system, gravitational forces and weather. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is only available to Academy of Global Studies students

SPANISH I (A5112)

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: Grade of C in 8th grade or previous year in English

Spanish I introduces the student to foreign language study. The main goal is to enable the student to understand, speak, read and write Spanish on an introductory level. The student is introduced to Hispanic culture, geography and language structures in this increasingly important language. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is available only to Academy of Global Studies students. A material fee will be charged.

SPANISH II (A5212)

Grades: 9-10

Length: 1 year

Credit: 1

Pre-requisites: Recommended Grade of C in Spanish I

Spanish II begins with a review of the fundamentals of Spanish studied and then concentrates on the further development of the language skills. Emphasis will be on practical and situational vocabulary and accurate pronunciation. This course is taught in a technology-infused Project-Based Learning (PBL) format. This course is available only to Academy of Global Studies students. A materials fee will be charged.

CHINESE I (505)

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: Grade of C in 8th grade or previous year in English

Chinese I introduces the student to the study of the Chinese language. Students will learn to speak, read and write on a basic level in this increasingly important world language. Students will begin to investigate the people culture and history of China.

CHINESE II (506)

Grades: 9-10

Length: 1 year

Credit: 1

Pre-requisites: Grade of C recommended in Chinese I

Chinese II begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture of China.

AGS GLOBAL SEMINAR 9 (A4182)

Grades: 9

Length: 1 year

Credit: 1

Pre-requisites: None

AGS Global Seminar 9 is a multi-disciplinary course taught in the Academy of Global Studies. The course is thematic, and is designed to help students explore in greater depth topics that are introduced in core courses in the Academy. AGS Global Seminar 9 is framed around the International Studies Schools Network (ISSN) global competencies of *Investigate the World* and *Communicate Ideas*. Emphasis will be placed on critical thinking, collaborative team work through integrated projects, creative

problem solving and communication through various media. This course is taught in a technology-infused, Project-Based Learning (PBL) format.

GRADE 10 COURSES

AGS AMERICAN STUDIES (A4164 non-weighted)

AGS HONORS AMERICAN STUDIES (A4162 weighted)

AGS ENGLISH 10 (A1318 non-weighted)

AGS HONORS ENGLISH 10 (A1319 weighted)

Grades: 10

Length: 1 year

Credit: 1 for AGS American Studies and 1 for English 10

Pre-requisites: none

This team-taught course will investigate events in American History beginning with the post Reconstruction era of the late 19th century and continuing through to the present. Within each unit students will read and study American literature, poetry, and non-fiction to support their knowledge of the time period. Significant attention will be given to 20th century events and their impact on American society. The study of government, geography, economics, citizenship, and people in society will be included in this course, as it pertains to different events in the history of the United States.

Critical thinking skills, content specific vocabulary, traditional grammar, and the ability to organize and evaluate information from both primary and secondary sources will be a focus of this course. Students will study literature, poetry, and non-fiction through a historical and regional perspective, and examine the impact that literature has on the United States and the rest of the world. There will also be a heavy focus on college-bound, thesis-driven research and composition skills, as well as writing expository, narrative, and persuasive essays. This course is designed for project-based learning where students work in groups to solve problems and present formally to real audiences. This course meets the tenth grade requirement for English and Social Studies. This course is only available to Academy of Global Studies students.

GEOMETRY (A2222 non-weighted)

HONORS GEOMETRY (A2232 weighted)

Grades: 9-11

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of A or B grade in CP Algebra I, Teacher Recommendation

Geometry is the study of the relationships of lines, planes, triangles, and other geometric figures, in both two dimensions and three dimensions, as an idealized model of our physical environment. The properties of these figures are developed by experimentations and intuition. These properties are then proved by logical deduction. Scientific calculators are used. Students must have the approved calculator as determined by the District. Honors Geometry is a fast-paced course designed for students wishing to take Calculus their senior year. This course is taught in a technology-infused, Problem-Based Learning (PrBL) format. This course is only available to Academy of Global Studies students.

ALGEBRA II (A2124 non-weighted)

HONORS ALGEBRA II (A2123 weighted)

Grades: 9-11

Length: 1 year

Credit: 1

Pre-requisites: Honors Geometry or Geometry

CP Algebra II is an extension of the concepts introduced in Algebra I. Emphasis is on the structure of mathematics combined with systematic instruction in the techniques of algebra as a reflection of its structure. Its chief aims are to clarify, simplify and unify

concepts in mathematics that deepen understanding. Graphing calculators are used. This course is taught in a technology-infused, Problem-Based Learning (PrBL) format. This course is only available to Academy of Global Studies students.

BIOLOGY (A3462 non-weighted)

HONORS BIOLOGY (A3362 weighted)

Grades: 10

Length: 1 year

Credit: 1

Pre-requisites: CP or Honors Physical Science

CP Biology is a fast-paced college preparatory class taken at the tenth-grade level. This course examines life and emphasizes the study of cellular structure and function, reproduction, metabolism, homeostasis, heredity, evolution, and interdependence. Students will apply major biological and scientific concepts to laboratory experiences where data and analyses will be recorded in standard scientific format. This course must be passed before taking any science electives. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is only available to Academy of Global Studies students.

SPANISH II (A5212)

Grades: 9-10

Length: 1 year

Credit: 1

Pre-requisites: Recommended Grade of C in Spanish I

Spanish II begins with a review of the fundamentals of Spanish studied and then concentrates on the further development of the language skills. Emphasis will be on practical and situational vocabulary and accurate pronunciation. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is available only to Academy of Global Studies students. A materials fee will be charged.

SPANISH III (A5312)

Grades: 10-11

Length: 1 year

Credit: 1

Pre-requisites: Spanish II and Recommended Grade of C in Spanish II

Spanish III continues the study of the fundamentals of Spanish on an advanced level, with an emphasis on speaking, listening, vocabulary acquisition and advanced grammatical structures. Students will continue to learn about Spanish-speaking people, their culture and customs. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is available only to Academy of Global Studies students. A materials fee will be charged.

CHINESE II (506)

Grades: 9-10

Length: 1 year

Credit: 1

Pre-requisites: Grade of C recommended in Chinese I

Chinese II begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture of China.

CHINESE III (507)

Grades: 10-11

Length: 1 year

Credit: 1

Pre-requisites: Grade of C recommended in Chinese II

Chinese II begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture of China.

AGS GLOBAL SEMINAR 10 (A4183)

Grades: 10

Length: 1 year

Credit: 1

Pre-requisites: None

AGS Global Seminar 10 is a multi-disciplinary course taught in the Academy of Global Studies. The course is thematic, and is designed to help students explore in greater depth topics that are introduced in core courses in the Academy. AGS Global Seminar 10 is framed around the International studies Schools Network (ISSN) global competencies of **Communicate Ideas** and **Recognize Perspectives**. While the foundation of AGS Global Seminar 10 is similar to AGS Global Seminar 9, in that students will continue to be exposed to a variety of current events, the central emphasis of this course is on the Model United Nations (UN) process. Model United Nations is an activity where students step into shoes of UN Ambassadors and debate a range of issues on the UN agenda. All students in AGS Global Seminar 10 will participate in a local or national model UN competition. Emphasis will be placed on critical thinking, collaborative team work through integrated projects, creative problem solving and communication through various media. This course is taught in a technology-infused, Project-Based Learning (PBL) format.

GRADE 11 COURSES

AGS AP U.S. GOVERNMENT and POLITICS (A4165)

Grades: 11 - 12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: None

The required course is designed to ensure that all students are familiar with governmental structure at the federal, state, and local levels. With a focus on the legislative, executive, and judicial functions of our government, students will study current federal, state, and local issues. This year-long course is a required course that can be taken during the junior or senior year (at student paid expense of approximately \$91).

AGS PRE-CALCULUS (A2242 non-weighted)

AGS HONORS PRE-CALCULUS (A2252 weighted)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisite: Grade of A in Algebra II or Grade of A or B in Honors Algebra II

Honors Pre-Calculus includes the study of polynomial, rational, radical, logarithmic, and exponential functions, advanced algebra, complex numbers, vectors, and polar and parametric equations. This advanced course is offered to those superior students in Honors Algebra II or Algebra II. Graphing calculators are required: TI-83+, TI-84 or other appropriate graphing calculator (at student's expense). This course is taught in a technology-infused, Problem-Based Learning (PrBL) format. This course is only available to Academy of Global Studies students.

STATISTICS (242)

Grades: 11-12
Length: 1 year
Credit: 1
Pre-requisites: Algebra II

All students who intend to pursue mathematics, business, social science, or science fields of study in college will find the course beneficial for their futures. The topics will include: probability; data presentation and collection; measures of dispersion; central tendencies; the binomial and normal distributions; and regression models. This course is taught in a technology-infused, Problem-Based Learning (PrBL) format.

CP TRIGONOMETRY AND NON LINEAR FUNCTIONS (243)

Grades: 11-12
Length: 1 year
Credit: 1
Pre-requisites: Algebra II

Functions & Trigonometry is a college-preparatory course for students who want to continue their studies in mathematics beyond Algebra II with the possibility of taking Calculus in the future. The course is taught from a functions perspective using analytic, numeric, and graphical approaches with practical applications and the use of technology. This course is taught in a Problem-Based Learning (PrBL) format.

AGS ENGLISH 11 (A1320 non-weighted)**AGS HONORS ENGLISH 11 (A1310 weighted)**

Grades: 11
Length: 1 year
Credit: 1
Pre-requisites: CP English 10

AGS English 11 furthers students' proficiency with listening/viewing, speaking, literature, and composition skills. Tenth grade literature features poetry, drama, short stories, essays, and novels. Composition instruction emphasizes narration, exposition, and persuasion while enabling students to continue improving grammar usage, mechanics, and punctuation skills. Students will also keep a writing portfolio. There is continued emphasis on vocabulary roots and literary terms, writing, and speaking. This course is paired with AGS AP U.S. Government.

AGS CHEMISTRY (A3562 non-weighted)**AGS HONORS CHEMISTRY (A3552 weighted)**

Grades: 11-12
Length: 1 year
Credit: 1
Pre-requisites: Algebra 1 (earning a C or above recommended) and CP or Honors Physical Science & Biology.

Chemistry I develops the basic concepts of the composition and structure of matter. Students will investigate the chemical and physical changes in matter with heat and the reactions that can occur when substances interact. These concepts develop as a result of many laboratory-based investigations concerning the properties of matter. The course emphasizes the many experimental, thinking, and problem-solving skills utilized in science. A good foundation of algebra skills will be reviewed, developed, and applied to chemical calculations. Students will be required to have a scientific calculator, three-ring binder, and 2 composition notebooks. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is only available to Academy of Global Studies students.

CHINESE III (507)

Grades: 10-11

Length: 1 year

Credit: 1 credit

Pre-requisites: Grade of C recommended in Chinese II

Chinese III begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture of China.

CHINESE IV (508)

Grades: 11-12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of C recommended in Chinese III

Chinese IV begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. Students will be introduced to Asian literature through the study of poetry and short plays. They will also continue conversational skills through daily dialogues, presentations and skits. Students will also learn more complex grammar structures. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture and history of China. Students will also have the opportunity to participate in the Miami University singing competition each year.

SPANISH III (A5312)

Grades: 10-11

Length: 1 year

Credit: 1 credit

Pre-requisites: Spanish II and Recommended Grade of C in Spanish II

Spanish III continues the study of the fundamentals of Spanish on an advanced level, with an emphasis on speaking, listening, vocabulary acquisition and advanced grammatical structures. Students will continue to learn about Spanish-speaking people, their culture and customs. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This course is available only to Academy of Global Studies students. A materials fee will be charged.

SPANISH IV (A5412)

Grades: 11-12

Length: 1 year

Credit: 1 credit (0.5 weight)

Pre-requisites: Spanish III and Recommended Grade of C in Spanish III.

Spanish IV provides for the advanced study of the language through grammar, vocabulary, composition and conversational work. Students will participate in advanced conversational situations and complete presentations and projects on a variety of topics in Spanish. Students will also be introduced to more advanced literature from Spain and Central America and write essays about literature. Students will continue to learn culture through the study of Hispanic countries and literature. Students will also continue studying Hispanic history and important people in the Hispanic culture. A materials fee will be charged.

AGS GLOBAL SEMINAR 11 (A4184)

Grades: 11

Length: 1 year

Credit: 1
Pre-requisites: None

AGS Global Seminar 11 is a multi-disciplinary course taught in the Academy of Global Studies. The course is thematic, and is designed to help students explore in greater depth topics that are introduced in core courses in the Academy, AGS global Seminar 11 is framed around the International Studies Schools Network (ISSN) global competencies of **Communicate Ideas** and **Take Action**. Students in AGS Global Seminar 11 will go through a comprehensive examination of global issues in preparation of their Senior Capstone. All students in AGS Global Seminar 11 will participate in at least one “Take Action” project. Emphasis will be placed on critical thinking, collaborative team work through integrated projects, creative problem solving and communication through various media. This course is taught in a technology-infused, Project-Based Learning (PBL) format.

GRADE 12 COURSES

AGS AP HUMAN GEOGRAPHY (A4465)

Grades: 12
Length: 1 year
Credit: 1 (1.0 weight)
Pre-requisites: None

AP Human Geography is the 4th social studies course in the Academy of Global Studies, and is integrated in a double-block with AGS English 12. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students also learn about the methods and tools geographers use in their research and applications. AP Human Geography will help students develop skills that enable them to:

- Interpret maps and analyze geospatial data.
- Understand and explain the implications of associations and networks among phenomena in places.
- Recognize and interpret the relationships among patterns and processes at different scales of analysis.
- Define regions and evaluate the regionalization process.
- Characterize and analyze changing interconnections among places.

This course is fast-paced, and nightly work and study is expected. There will be an AP test fee of approximately \$91 for students choosing to take the examination in May.

AGS ENGLISH 12 (A1422 non-weighted)

AGS HONORS ENGLISH 12 (A1413 0.5 weight)

Grades: 12
Length: 1 year
Credit: 1
Pre-requisite: English 11

This team taught course will refine student’s skills in listening/viewing, speaking, literature, and composition, in a project-based learning environment. Students explore society through novels, short stories, drama, poetry, and essays. Composition instruction focuses on exposition, narration, persuasion, and literary analysis. All writing will be kept in a portfolio. To improve writing, students will continue to study and practice grammar and mechanics. There is a continued emphasis on vocabulary study through ACT/SAT words and literary terms. Emphasis will be placed on critical thinking, collaborative team work through integrated projects, creative problem solving and communication through various media. This course is taught in a technology-infused, Project-Based Learning (PBL) format. Students are expected to complete the summer reading assignment, which is averaged as part of the 1st quarter grade. This class is taught in conjunction with AP Human Geography.

AGS PHYSICS (A3412 non-weighted)

Grades: 12

Length: 1 year

Credit: 1

Pre-requisites: Physical Science, Biology, Algebra II (may be concurrent)

AGS Physics is the study of the relationship of matter and energy on a larger scale as compared to chemistry. The topics covered will be in the areas of kinematics, mechanics, electricity and magnetism, optics, and acoustics. Laboratory investigations are used to investigate physical relationships. Emphasis will be placed on critical thinking, collaborative team work through integrated projects, creative problem solving and communication through various media. This course is taught in a technology-infused, Project-Based Learning (PBL) format. This class will proceed at an accelerated pace and will include more reading from technical resources, as well as more laboratory and independent research

AP PHYSICS 1 (348)

Grades: 11-12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: Physical Science, Algebra 2(Trigonometry)

AP Physics I: Algebra and Trigonometry-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The course is fast-paced, and nightly work and study is expected. All AP Physics I student must take the AP Physics I Exam in May (at student paid expense of approximately \$91).

AGS SENIOR CAPSTONE (A4185)

Grades: 12

Length: 1 year

Credit: 1

Pre-requisites: None

AGS Senior Capstone is the culminating course for AGS students. Senior Capstone provides AGS Seniors the opportunity to create a project of their own choosing, based upon their learning over the past four years. Students may choose a topic that interests them, but all capstone topics must be situated in one or more ISSN global competencies. Students will spend the first quarter digging into the ISSN global competencies with an eye toward their capstone project. During this time, students will meet with their faculty advisor to vet capstone ideas. Final capstone topic approval will occur by November 1. During Quarters 2 & 3, students will work on their capstone projects. Quarter 4 will be final preparations and formal presentations of capstone projects. (All AGS seniors will present to an audience of internal and external reviewers (peers, teachers, parents, district personnel, local business people; local government officials; family). The components of a completed Capstone Project include:

- Portfolio of four documents, each a reflection of how students have met each of the four ISSN global competencies.
- Multimedia Presentation (link to blog, website, video or other online presentation)
- Oral Presentation of the capstone project to an authentic audience.
- Written 15-20 page essay related to the capstone project.

CHINESE IV (508)

Grades: 11-12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of C recommended in Chinese III

Chinese IV begins with a review of the fundamentals of the Chinese studied and then concentrates on further development of the language skills: speaking, writing, reading and listening. Students will be introduced to Asian literature through the study of

poetry and short plays. They will also continue conversational skills through daily dialogues, presentations and skits. Students will also learn more complex grammar structures. The emphasis in this course will be on practical and situational vocabulary. Students will continue their study of the culture and history of China. Students will also have the opportunity to participate in the Miami University singing competition each year.

CHINESE V (509)

Grades: 12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Grade of C recommended in Chinese IV

Chinese V is for the truly advanced language student. It provides continued study of the language through grammar, vocabulary, composition and conversational work. Students will delve deeper into Chinese culture through the study of literature including poetry and plays. Students will also read classic articles and learn in-depth history and culture as well as geography. Students will continue speaking practice through conversations, dialogues and presenting plays. Students will also have the opportunity to participate in the Miami University singing competition each year.

SPANISH IV (A5412)

Grades: 11-12

Length: 1 year

Credit: 1 credit (0.5 weight)

Pre-requisites: Spanish III and Recommended Grade of C in Spanish III.

Spanish IV provides for the advanced study of the language through grammar, vocabulary, composition and conversational work. Students will participate in advanced conversational situations and complete presentations and projects on a variety of topics in Spanish. Students will also be introduced to more advanced literature from Spain and Central America and write essays about literature. Students will continue to learn culture through the study of Hispanic countries and literature. Students will also continue studying hispanic history and important people in the Hispanic culture. A materials fee will be charged.

SPANISH V (A5413)

Grades: 12

Length: 1 year

Credit: 1 (0.5 weight)

Pre-requisites: Spanish IV and Recommended Grade of C in Spanish IV

Spanish V is for the truly advanced language student. It provides students a survey of classes students could take in a university setting, including advanced Grammar, Conversational Spanish, Literature, History (Spanish; pre-Colombian in Central/South America), Linguistics, and Writing (argumentative essay; children's literature). Students continue their study of the language through grammar, vocabulary, composition and conversational work. Students will delve deeper into the culture of Hispanic countries. A materials fee will be charged.

AGS PRE-CALCULUS (A2242 non-weighted)

AGS HONORS PRE-CALCULUS (A2252 weighted)

Grades: 10-12

Length: 1 year

Credit: 1

Pre-requisite: Grade of A in Algebra II or Grade of A or B in Honors Algebra II

Honors Pre-Calculus includes the study of polynomial, rational, radical, logarithmic, and exponential functions, advanced algebra, complex numbers, vectors, and polar and parametric equations. This advanced course is offered to those superior students in Honors Algebra II or Algebra II. Graphing calculators are required: TI-83+, TI-84 or other appropriate graphing calculator (at

student's expense). This course is taught in a technology-infused, Problem-Based Learning (PBL) format. This course is only available to Academy of Global Studies students.

AP CALCULUS AB (241)

Grades: 11-12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: A or B in Pre-Calculus, Teacher Recommendation

AP Calculus AB is similar to Calculus, with the addition of a requirement to take the Calculus AB Advanced Placement (AP) Examination. Instruction and pacing will be dictated solely by the AP Exam. All students enrolled in Advanced Placement classes understand that the purpose of the course is to prepare them for passing the Advanced Placement test. All students enrolled in AP Calculus AB must take the AP Calculus AB examination in May (at student-paid expense of approximately \$91).

AP CALCULUS BC (238)

Grades: 12

Length: 1 year

Credit: 1 (1.0 weight)

Pre-requisites: A or B in AP Calculus AB

AP Calculus BC is a continuation of AP Calculus AB. Like AP Calculus AB, students take the Calculus BC Advanced Placement (AP) Examination. Instruction and pacing will be dictated solely by the AP Exam. All students enrolled in Advanced Placement classes understand that the purpose of the course is to prepare them for passing the Advanced Placement test. All students enrolled in AP Calculus BC must take the AP Calculus BC examination in May (at student-paid expense of approximately \$91).

STATISTICS (242)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: Algebra II

All students who intend to pursue mathematics, business, social science, or science fields of study in college will find the course beneficial for their futures. The topics will include: probability; data presentation and collection; measures of dispersion; central tendencies; the binomial and normal distributions; and regression models.

CP TRIGONOMETRY AND NON LINEAR FUNCTIONS (243)

Grades: 11-12

Length: 1 year

Credit: 1

Pre-requisites: Algebra II

Functions & Trigonometry is a college-preparatory course for students who want to continue their studies in mathematics beyond Algebra II with the possibility of taking Calculus in the future. The course is taught from a functions perspective using analytic, numeric, and graphical approaches with practical applications and the use of technology.

GREAT OAKS INSTITUTE OF TECHNOLOGY & CAREER DEVELOPMENT

The Great Oaks Institute of Technology and Career Development Centers provide a full range of opportunities in vocational education through programs at the four career development centers.

If a program has an opening, the student attends the Great Oaks campus nearest his/her home school. If there are no openings or if a specific program is not offered, the student may attend one of the other campuses. All students apply for admission through their home schools and receive their diploma from their participating school district.

A student may earn from six to seven credits per year depending upon the vocational program. The credits are broken down in the following manner:

Year I

Vocational Subject Labs	3 Credits
Math	1 Credits
English 11	1 Credit
Science	1 Credits
U.S. History	1 Credit

Year II

Vocational Subject Labs	3 Credits
Math	1 Credits
English 12	1 Credit
Science	1 Credit
Government	1 Credit

Maximum Credits available per year up to 7

Courses that are not available at the Scarlet Oaks campus are available to our students at other Great Oaks Joint Vocational campuses. Transportation is provided.

Upon successful completion of a vocational program, each student is awarded a certificate, which indicates the skills and competencies that have been acquired, along with a WWHS diploma (as long as all graduation requirements have been met). Students are able to begin a career in their field of preparation or continue their studies at a 2 or 4-year college.

Information regarding vocational programs offered by the Great Oaks Joint Vocational System is available in the Guidance Office.