

2023-2024

West Bloomfield High School



**Pathways
to Success**

Course Description Guide

V3.21.23

Welcome to

West Bloomfield High School







We hope that your years of high school will be a time of exploration, challenge, goal setting, fulfillment and planning for the future. This guide has been designed to assist you through this process.

Indecision about your career is normal for this time in your life. Some students already have a specific career goal in mind. Other students have only a vague notion of their career goal. Many students will change their minds several times before settling on a final career.

During high school, one goal should be to explore the Career Pathways described in this guide and learn whether or not one is interesting enough to be a potential match for you. Although it is not expected that students will know their specific career choice by the time of graduation, they should know which path is appropriate for them. Within this guide you will find a description of each Career Pathway along with related course work and activities for each pathway.

Students and parents are encouraged to read through this guide and discuss the options. Counselors and teachers will be eager to help you by making suggestions and recommendations as they apply to the specific pathways. By working together students, parents, teachers, and counselors can help make the high school years a great experience.

Career Pathways — Educational Planning for Life

 Arts and Communication	 Health Sciences
 Business, Management, Marketing and Technology	 Human Service
 Engineering/Manufacturing and Industrial Technology	 Natural Resources and Agriscience

This book is a guide to West Bloomfield High School's course information.

www.wbsd.org



Administrators

Mr. Eric Pace, Principal
Mrs. Susie Aisner, Assistant Principal
Mr. Jamie Glinz, Assistant Principal
Dr. Stephanie Griffin, Assistant Principal
Mr. Eric Pierce, Athletic Director

Counselors

Department Phone: 248-865-6768
Fax: 248-865-6764

Counselor	Email	Student Last Name
Kelly Casinelli	Kelly.casinelli@wbsd.org	A – Ch
JoAnne Wegrzynowicz	Joanne.wegrzynowicz@wbsd.org	Ci – Gra
Karen Brody	Karen.brody@wbsd.org	Grb – Kl
Kason Dickerson	Kason.dickerson@wbsd.org	Km – M
Lisa Thompkins	Lisa.thompkins@wbsd.org	N – Sh
John Hepper	John.hepper@wbsd.org	Si – Z

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For further information you may contact
Scott Long Assistant Superintendent for Learning Services Scott.long@wbsd.org , 248-865-6009
Johanna Mracna Assistant Superintendent of Administration & Innovation Johanna.mracna@wbsd.org , 248-865-6426
Eric Whitney Deputy Superintendent of Talent Development and Management Eric.whitney@wbsd.org , 248-865-6422

General Information

West Bloomfield School District is pleased to continue the growth of our STEAM Program at the high school level. This is part of the District's K-12 STEAM instructional initiatives. STEAM stands for **Science, Technology, Engineering, Arts, and Mathematics**. STEAM programs employ a Project Based Learning approach, a teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to a complex question, problem or challenge. STEAM uses critical thinking skills and incorporates the arts into this framework by recognizing that in order to be successful in technical fields, students must also be creative.

The High School STEAM Pathway is available in Grades 9-12:

Project Lead the Way Engineering –

PLTW Engineering courses engage students in interdisciplinary activities like working with a client to design a home, programming electronic devices or robotic arms, or exploring algae as a biofuel source. These activities not only build knowledge and skills in engineering, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

A partnership with Lawrence Technological University provides students with opportunities to interact with college-level engineering and design practices.

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Advisory

Advisory is an opportunity for students to develop and strengthen relationships. It is a course that will allow students to access support for challenges that may keep them from succeeding academically, including a lack of routines, problem-solving, and navigating high school skills as well as social emotions strategies for the school setting and grade level.

Early Graduation

Students requesting an exception to graduate early before completing the full four years of high school must adhere to the required guidelines. Students who have exceptional circumstances must meet with their counselor in early September to avoid missing critical deadlines. In most situations, students are required to provide proof of acceptance to a four-year institution or proof of enrollment from a four-year institution to qualify for early graduation. Please see your counselor for further details.

NCAA Clearinghouse



The NCAA icon represents those high school courses that have been approved by the NCAA Eligibility Center to meet eligibility requirements for any student wishing to participate in athletics at either an NCAA Division I or Division II member institution. For more information consult your school counselor or visit <https://web3.ncaa.org/ecwr3/>. And for additional resources, visit <https://www.wbsd.org/west-bloomfield-high-school/counseling-office/college-athletic-eligibility>

State Mandatory Testing

In order to satisfy the requirements for graduation, every student must take all state-mandated tests at the grade level mandated unless excluded under the guidelines established by the Michigan State Department of Education. Special exceptions may be granted by the Superintendent upon evidence of extraordinary circumstances.

Summer Homework

Some courses at WBHS have summer homework requirements. Students are advised to see the department head or teacher by June 1 of the current school year for directions. It is the student's responsibility to check the West Bloomfield High School website for summer homework. Questions during the school year may be directed to your counselor. Questions during the summer months may be directed to the Principal's office.

Graduation Requirements

Class of 2021—2024

A student must attend West Bloomfield High School during the final semester prior to graduation to receive a West Bloomfield High School Diploma. A student transferring from West Bloomfield to another school during his/her senior year may be granted a diploma if the receiving school's policy prevents the granting of a diploma.

West Bloomfield High School requires a minimum of 25.00 credits for graduation.

(18 required + 7 enrichment = 25.00 credits)

Courses	Credit
English (4 credits total)	
English 9	1 credit
American Literature American Dream Literature Honors American Literature	1 credit
World Literature Honors Literature AP English Language & Composition Multicultural Literature	1 credit
English Elective	1 credit
Mathematics (4 credits totals)	
Algebra	1 credit
Geometry	1 credit
Algebra 2	1 credit
Senior Year Math or Senior Math Based Elective	1 credit
Science (3 credits total)	
Biology	1 credit
Integrated Physical Science Honors Chemistry Honors Physics	1 credit
Earth Science	1 credit
Social Studies (3 credits total)	
World History/AP World History	1 credit
United States History/APUSH	1 credit
Civics/AP Gov Economics	1 credit
Health Education (.5 credit total)	
Physical Education (.5 credit total)	
Visual, Performing & Applied Arts – Fine Arts (1 credit total)	
World Language (2 credits of the same language Or 1 World Language and 1 Fine Arts)	
Elective Courses (7 credits)	

Advanced Placement International Diploma

West Bloomfield High School is pleased to offer a pathway to the Advanced Placement International Diploma, which is an endorsement from the College Board.

The Advanced Placement International Diploma (APID) is a globally recognized certificate for students with an international outlook. The APID challenges a student to display exceptional achievement on AP Exams across several disciplines.

Universities worldwide utilized the APID in admissions. Students may search AP International Recognition for universities outside the United States that acknowledge AP achievement.

The APID is available to students attending secondary schools outside the United States and to U.S. resident students applying to universities outside the country. The APID is not a substitute for a high school diploma, but rather provides additional certification of outstanding academic excellence.

To earn an APID, a student attending school within the United States must indicate on at least one AP Exam answer sheet that the results should be sent to a university outside the United States. Please see AP International Recognition for a list of universities outside the U.S. that use AP in admissions.

Diploma Criteria

To earn an APID, students must earn grades of three or higher on at least five AP Exams in the following content areas:

- Two AP Exams from two different languages selected from English and/or World Languages
- One AP Exam designated as offering a global perspective: World History, Human Geography, and Government and Politics: Comparative
- One AP Exam from the sciences or mathematics content areas
- One (or two) additional AP Exam(s) from among any content areas except English and World Languages. These include the content areas already described as well as history and social sciences and arts.

Students interested in the APID should consult with their high school counselor.

Career and Technical Education Opportunities (CTE)

Annual Public Notice of Career and Technical Education Opportunities

Each year, the West Bloomfield School District offers career and technical education programs at WBHS. These programs are designed to prepare youth for a broad range of employment and training services and are offered under the guidance of certified teachers, counselors, and cooperative education coordinators.

Business Service and Technology

Finance Pathway

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Business Management Pathway

[Growing Your Business](#)

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Computer Programming

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[Intermediate Programming](#)

[AP Computer Science Principles](#)

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Marketing Education

[Marketing](#)

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Business Related Programs

[Business Internship](#)

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[Food Preparation 2](#)

[AP Micro](#) & [AP Macro](#) Economics

Industry and Technology

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[Project Lead the Way: Introduction to Engineering Design 1](#)

Engineering Academy [2](#), [3](#), [4](#)

Computer Aided Design (CAD) [1](#), [2](#), [3](#), [4](#)

Video Technology & Arts

[Digital Media Arts](#)

[Multimedia Production](#)

[Video Field Production](#)

Art Department

WBHS requires 1 Visual, Performing & Applied Arts credits to graduate

- 1.0 credit or 2 semester classes

Art Foundations or 3D Foundations are entry level courses. Students may take both if they desire. These classes are the introductory art courses based on the elements and principles of art; many different types of media are utilized. Students may move on to Jewelry, Ceramics, Drawing, and Photography from these courses. It is no longer required to take these classes before advancing to a specialty.

The chart below will help students plan their high school art program.

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
3D Foundations	X	X	X	X
Art Foundation	X	X	X	X
Beginning Painting	X	X	X	X
Beginning Drawing	X	X	X	X
Ceramics	X	X	X	X
Photography	X	X	X	X
Jewelry/Metal Art		X	X	X
Advanced Ceramics		X	X	X
Advanced Jewelry/Metal Art		X	X	X
Advanced Drawing		X	X	X
Advanced Painting		X	X	X
Advanced Photography		X	X	X
Advanced Placement Studio Art 2D Design*			X	X
Advanced Placement Studio Art 3D Design*			X	X

Prerequisites are listed under the course description

**Students must pass an Advanced Art Course to enter the Advanced Placement Studio Art course. The Recommendation of the Instructor is necessary to enter AP Studio Art 2-D Design or AP Studio Art 3-D Design.*

Art Course Descriptions

3D Foundations

This course is designed to explore the Elements of Art and Principles of Design through 3 dimensional mediums such as ceramics, jewelry, fibers, sculpture and more. This course is the perfect foundation for students who will continue taking 3D courses such as jewelry and ceramics. Art history is also explored in this course. (ART402A)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Art Foundations

This course serves as a foundation for the study of art. Art foundations is intended for all students, whether they want to specialize in art as a career or whether their formal experience in art will end with this single course. Students who wish to pursue drawing should take this foundation course. Two dimensional works covering the Elements of Art and the Principles of Composition are introduced in assignments which explore a variety of art techniques and materials. Art History is also explored in this course. (ART400)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Beginning Painting

Beginning Painting is a basic studio course in the media and techniques of painting. Activity will emphasize the study of color, compositions, creativity and aesthetic values. A command of techniques and materials, both traditional and experimental, will be taught. (ART404)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Beginning Drawing

This course expands upon the basic Principles of Composition and Elements of Art as well as explores many drawing techniques. This course will teach students to draw from observation and create depth in their drawings. Students will explore perspective as well as learn skills for successful composition. There will be still life, drawings that relate to the figure, and figure drawing. (ART411)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Ceramics

This course is the study of ceramics and its history. Students are encouraged to develop good techniques with the wet clay that help express their creative ideas. Basic hand-building techniques and design development are emphasized. Various glaze work will be explored. (ART401)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Jewelry/Metal Arts

This course is designed to introduce students to metalsmithing. Students will practice the basic technical skills of working with metal while integrating strong design concepts. Technical skills learned are cutting and finishing metal, soldering, forging, setting a stone, and forming wire. (ART415A)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Fine Arts

Photography

This course serves as an introduction to photography. Basic camera functions, rules of composition and historical milestones will be taught through a range of creative photographic applications. Guided by the instructor, students will learn the creative process, problem solving and critical thinking as it applies to the photo arts. Applications in pinhole photography, historical print processes, traditional black and white and modern digital/Photoshop will be utilized. Having a digital camera is helpful. (ART419)

A \$200 check deposit is required in case of damage to equipment. Checks will be returned at the end of the semester unless damage to equipment has occurred.

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Advanced Ceramics

This course is an advanced study in clay forming techniques, preparation and creative thinking. The potters' wheel will be explored to the level the student chooses. Students will be introduced to kiln loading, firing, sculpture, and special surface effects. (ART431)

This course may be repeated with instructor approval. A material fee may be associated with this course.

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Ceramics

GR: Fine Arts

Advanced Jewelry/Metal Arts

Students will expand their jewelry skills and knowledge by exploring new techniques for surface texture, larger soldering projects and more advanced techniques of metal construction. There is a strong emphasis on design as well as integrating the metal working techniques into working more independently. (ART445A)

This course may be repeated with instructor permission. A material fee may be associated with this course.

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Jewelry / Metal Arts

GR: Fine Arts

Advanced Drawing

This course expands on skills learned in Beginning Drawing with added emphasis on composition and creative thinking skills. Color is introduced as well as a wide variety of media which may include painting. Serious students may take this course multiple times as they challenge themselves to grow as artists and develop portfolios for college or personal achievement. (ART441)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Drawing; course may be repeated with instructor permission

GR: Fine Arts

Advanced Painting

The course continues the concepts of color theory, composition, and painting techniques from the Introduction to Painting course. Instruction focuses on student voice and work that makes a visual statement. Assignments will be designed to meet the needs of the class or individual students. Students are encouraged to experiment on a larger scale, taking the time needed to produce significant work. Students will be required to work from life and other sources. (ART405)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Intro to Painting; course may be repeated with instructor permission

GR: Fine Arts

Advanced Photography

This course will continue to explore aspects of photography not covered in beginning Photography. Camera functions, composition and more contemporary milestones will be taught through a range of creative photographic applications. Guided by the instructor, students will continue with creative process, problem solving and critical thinking as it applies to the photo arts. Exploration of a higher art process through continued and cross use of historical, traditional and modern photography applications. Digital photography and computer applications, like Photoshop, will be utilized. This course may be repeated (Advanced I and Advanced Portfolio) with permission and offers portfolio studies 1st semester of senior year. Students will be asked to supply their own camera. [ART449]

A \$200 check deposit is required in case of damage to equipment. Checks will be returned at the end of the semester unless damage to equipment has occurred.

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Photography

GR: Fine Arts

Advanced Placement Studio Art 2-D Design

WEIGHTED. This course is designed for students wishing to pursue the practical experience of art, while developing mastery of concepts, composition, and implementation of ideas. Through their portfolio development, students experience a multitude of techniques, concepts, and approaches in art. Students in AP Studio Art do not take a written exam, but instead submit a portfolio for examination during the fourth marking period at the beginning of May. Students receiving a score of 3 or above may be eligible to receive college credit. All students are responsible for verification of the acceptance of AP credit with their college of choice. This course is one year in length and may be repeated with instructor approval. (ART100/ART200)

Summer homework required—See department head or instructor by June 1st; will be posted on WBHS website also.

Any student who repeats this course must create an entirely new portfolio focusing on a new concentration. The same portfolio cannot be submitted twice. If a student chooses to submit a portfolio both years to the College Board, the student will have to submit an AP Studio Art 2D portfolio one year and a Drawing portfolio the next year.

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Recommendation of Instructor

GR: Fine Arts

Advanced Placement Studio Art 3-D Design

WEIGHTED. This course is designed for students wishing to pursue the art experience in the creation and thinking of three dimensional objects/abstractions. Students will develop mastery of concepts, composition, and implementation of ideas. Students in AP 3D will develop a portfolio, which will include exploration of various approaches of building three dimensionally, a multitude of techniques and materials. Students do not take a written exam, instead they submit a portfolio for examination during the fourth marking period at the beginning of May. Students earning a score of 3 or above may be eligible to receive college credit. All students are responsible for verification of the acceptance of AP credit with their college of choice. This course is one year in length, and may be repeated with the instructor's approval. (ART130/ART230)

Summer homework required—See department head or instructor by June 1; will be posted on WBHS website also.

Length of Course: Full Year

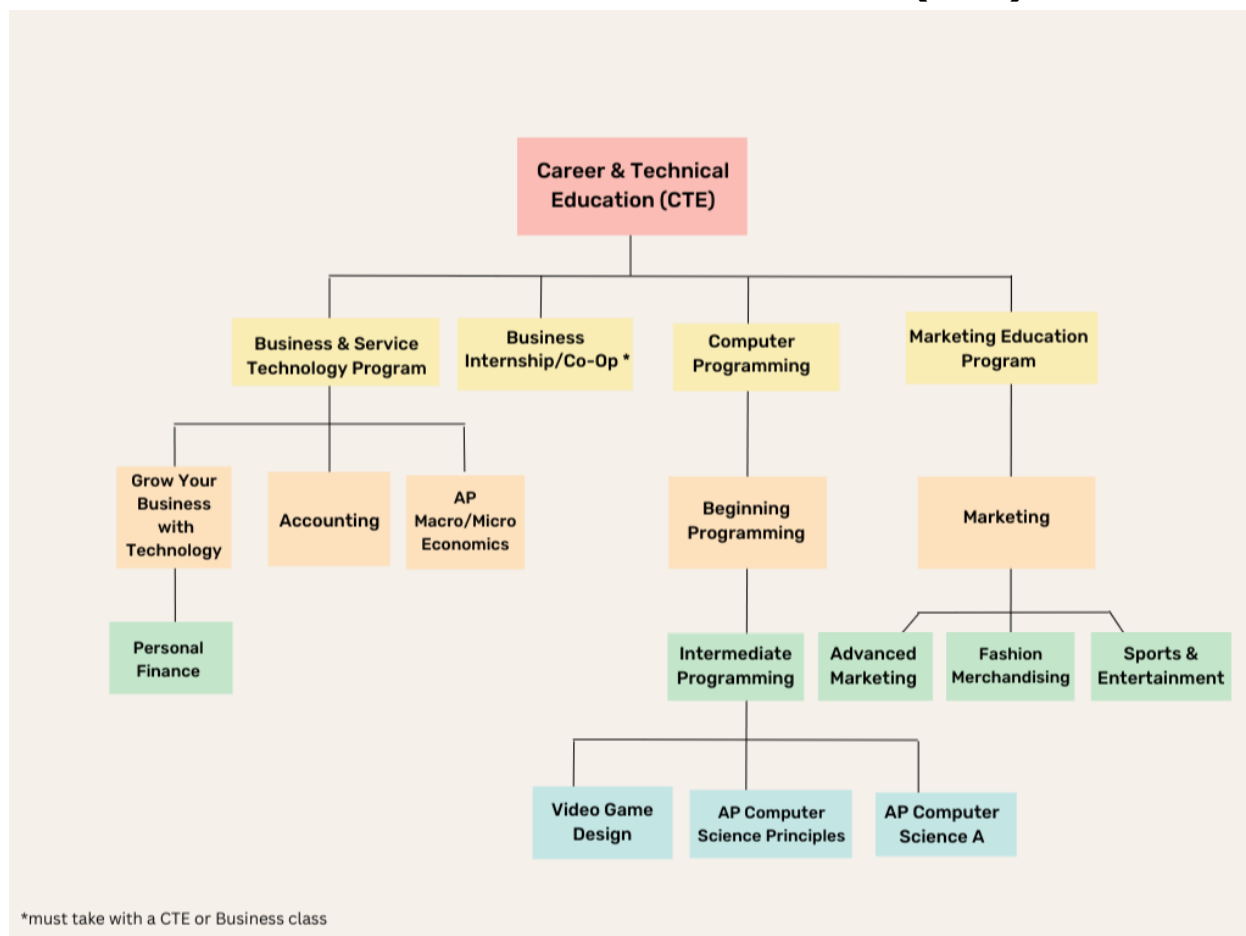
Grade Level: 11, 12

Prerequisite: Recommendation of Instructor

GR: Fine Arts

Business Education Department

Career and Technical Education (CTE)



Prerequisites are listed under the course description

Business Education Course Descriptions

Accounting

This course is designed for students interested in the accounting of a small business. The course is also **strongly** recommended for college majors in either business or law. Students will apply the accounting cycle to a sole proprietorship, partnership, and corporation. **Students must have "C" or better in first semester to take second semester.** Computerized accounting will be utilized to compile "real" simulated accounting practices. (BUS140/BUS240)

Earn OCC college credit for this course. Contact your counselor for details.

Recommended Related Course for Internship.

Students are eligible for DECA.

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: None

GR: Senior year math based

Fashion Merchandising

This course is for students with career interests in apparel and accessories marketing. Students develop marketing skills necessary for successful employment in fashion marketing, general marketing skills applied to the apparel and accessories industry and specialized skills unique to fashion marketing. The first semester focuses on the history of fashion, trend forecasting, fashion influencers, fashion cycles, fashion textiles, fashion designers and what goes into the decisions they make for their collections. The use of project based learning is used throughout the course. Students in this course will be eligible to participate in West Bloomfield's co-curricular DECA organization for the opportunity to earn college scholarships, prizes and travel. At the completion of the course, students will have the knowledge base to sit and earn the National Federation Customer Service and Sales Professional Certification.

The second semester of the Fashion Merchandising course focuses on the purchasing, marketing planning and promotion side of apparel and accessories marketing. The second semester focuses on retailing, merchandise buying, fashion promotion, advertising, visual merchandising, special events, fashion shows and fashion careers. This course is based on a variety of projects placed throughout each unit where students have an opportunity to demonstrate their knowledge of the material presented. The culminating semester two project may be a fashion show or similar. Students in this course will be eligible to participate in West Bloomfield's co-curricular DECA organization for the opportunity to earn college scholarships, prizes and travel. At the completion of the course, students will have the knowledge base to sit and earn the National Federation Customer Service and Sales Professional Certification.

(BUS455/BUS456)

Recommended Related Course for Internship.

Students are eligible for DECA.

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or better in Marketing

GR: Fine Arts

Growing Your Business

(Entrepreneurship)

Ever dream of starting your own business? This course focuses on approaches to business operations from the entrepreneurial and management perspective. As a business owner, you will learn about location, target markets, competition, suppliers, and marketing. Students will develop a business plan to put what they have learned into practice.

The second semester will provide business management concepts and principles in a realistic, investigative, and enriching manner. All the functions of business management are covered extensively, including payroll, financing, billing, budgeting, and analysis. Students will enjoy exploring the global dimension of international business and opening a business overseas.

(BUS424A/BUS425)

Recommended Related Course for Internship.

Students are eligible for DECA.

Earn OCC college credit for this course. Contact your counselor for details.

Length of Course: Full Year

Grade Level: 9,10, 11, 12

Prerequisite: Marketing or Fashion Merchandising

GR: Fine Arts, Senior year math based

Personal Finance

This one-semester course will prepare students to be financially responsible. Students will learn about setting financial goals, preparing a budget, the use and abuse of credit; managing checking and savings accounts, ATM and debit cards; dealing with rental college housing; taxes; choosing a roommate; and long-term investing options (stocks, bonds, etc). (BUS476)

Recommended Related Course for Internship

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: Grade of "C" or better in Fashion Merchandising 2 or Growing Your Business 2

GR: Senior year math based

Marketing Education

Marketing

This course is an introduction to the study of marketing, management and merchandising. Students are actively involved in DECA district, state, and national competitions testing the skills acquired in the classroom. Topics will focus on the study of Marketing Fundamentals, Salesmanship, Advertising, Visual Merchandising, Publicity, Distribution, and daily Store Operations. The school store, Laker Landing, serves as a laboratory for the students to apply skills discussed in the classroom. Field trips may involve DECA local, state, and nationwide travel. Students planning to major in business should consider this course in their freshmen, sophomore or junior year. (BUS143/BUS243)

This course is a prerequisite for Advanced Marketing and Sports & Entertainment Marketing.

Students must have "C" or better in first semester to take second semester

Recommended Related Course for Internship

Earn OCC college credit for this course. Contact your counselor for details.

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: none

GR: Fine Arts; Senior year math based

Advanced Marketing

This is an advanced individualized program of instruction in marketing, merchandising and management. Emphasis is placed on product and retail store management. Students will test skills acquired in the classroom and on the job by active involvement in DECA district, state and national competition. Students will be expected to demonstrate mastery of competencies in the areas of economics, marketing, human resources, distribution, financing, information management, pricing, product/service planning, promotion, purchasing, risk management and selling. Field trips may involve local, state, and nationwide travel. (BUS162/BUS262)

Students must have "C" or better in first semester to take second semester

Recommended Related Course for Internship

Students are eligible for DECA

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Marketing

GR: Senior year math based; Fine Arts

Sports & Entertainment Marketing

This course explores the multi-faceted and highly competitive sports and entertainment industry. Students who enroll will gain a greater understanding of the marketing strategies and tactics that sports and entertainment firms use to gain a large market share. Discussion topics include marketing for college, amateur and professional sports, how to create a positive public image, dealing with endorsements, agents, providing exposure for TV shows and screenplays, legal issues for sports and entertainment, and more. The culminating project will consist of students taking all that they have learned and assisting in organizing a spring carnival raising funds for American Cancer during school lunches. Upon completion of this course, students will be eligible to sit for the Facebook Certified Digital Marketing Associate Certification. Students have the opportunity to participate in West Bloomfield's co-curricular DECA club where they can earn college scholarships, cash prizes and opportunities to travel. (BUS175/BUS275)

Students must have "C" or better in first semester to take second semester

Recommended Related Course for Internship

Students are eligible for DECA

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Marketing

GR: Fine Arts; Senior year math based

Business Related

Business Internship/Co-Op

This course is a PAID work experience program for qualified students desiring occupational competencies for subsequent full time employment or as a background for college. The total program combines classroom instruction and supervised employment on the job. Students selected for this program will attend morning courses and be released from school to work part-time. Every job site must be within 15 miles of the high school. (BUS197/BUS297)

Length of Course: Semester 1, Semester 2 or Full Year

Grade Level: 11, 12

Prerequisite: PRIOR APPROVAL OF DIRECTOR. Students must be concurrently enrolled in a course related to their place of employment. Examples of related courses include most Business courses. Students must have passed at least one semester of a business course to be eligible. Students MUST submit a completed EDP along with their internship application as required by the State of Michigan for qualification. Students must have a job to enroll in this course.

GR: None

Foods Preparation 1

The goal of this course is to introduce the basics of food preparation with an emphasis on baking. Proper use of equipment, measurement, recipe usage, and safe food handling procedures are stressed in this laboratory based class. Food preparation units generally include quick breads, yeast breads, cookies, and pasta. Students work in a cooperative learning setting in the cooking labs and will have a notebook of information and recipes at the completion of this course which will help to reinforce their reading, writing, and organizational skills. (BUS421)

Recommended Related Course for Internship.

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11

Prerequisite: None

GR: Fine Arts

Foods Preparation 2

The goal of this course is to attain skills in food preparation by enhancing and reinforcing the principles of preparation practiced in Foods Preparation 1. This course has an emphasis on preparing healthier foods and more involved cooking techniques. We will discuss how food impacts our bodies nutritionally, making better choices, and what influences these decisions. Students will learn how to shop smart for food online and in the grocery store. Working together, students have a chance to evaluate recipes, plan meals and prepare food to share. (BUS422)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Foods Preparation 1

GR: Fine Art

Computer Programming

Beginning Programming

This course is an introduction to the fundamentals of computer programming, which is the foundation of Computer Science. Students will learn how to design, write, and develop programs that range from smart home solutions to animations. This course will prepare students for basic programming courses most majors encounter during their college careers. (BUS442)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Senior year math based

NCAA approved

Intermediate Programming

This course, like Beginning Programming, continues with added emphasis on object-oriented programming and design using new commands with Python. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games and programming solutions using advanced algorithms. (BUS443)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: Grade of "C" or better in Beginning Programming

GR: Senior year math based

NCAA approved

Video Game Design

The Video Game Design course provides an opportunity for students to immerse themselves in the world of video game design and development. Students will explore conceptual and technical aspects of contemporary video game creation. (BUS445)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or better in Intermediate Programming

GR: Senior year math based; Fine Arts

AP® Computer Science Principles

WEIGHTED. Code.org's Computer Science Principles (AP-CSP) curriculum is a full-year, rigorous, college entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. The AP/College Board Exam consists of a Performance Task and a Multiple Choice section. (BUS10019A/BUS10019B).

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or better in Beginning & Intermediate Programming and teacher recommendation

GR: Senior year math based

Advanced Placement Computer Science A

WEIGHTED. A primary objective of an AP Computer Science course is to teach students to write logically structured, well-documented computer programs. Advanced Placement Computer Science consists of the study of programming methodology without formal proofs or arguments. Algorithms, particularly sorting and searching, are informally compared. Data structures and data abstractions are studied in the context of a computer language's built-in types and structures (e.g., arrays and records) and non-linked structures that can be built. Recursion is introduced as a control abstraction. (BUS130/BUS230)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or better in Beginning & Intermediate Programming and teacher recommendation

GR: Senior year math based

Video Technology & Arts English Electives

The **Video Technology & Arts English** elective program is a Career Technical Education program that focuses on providing students with hands-on experience in filming, editing, directing, TV/film scripting, broadcasting, and video and print journalism. College credit can be obtained for taking these courses. Contact your counselor for further details.

Digital Media Arts

Digital Media Arts provides students with the opportunity to gain fundamental skills using digital tools for film/video, animation, photography, and graphic design in a project-based, hands-on environment. Using industry standard equipment and professional software, students will create digital content that includes short films/trailers, public service announcements, TV/radio broadcasts, stop-motion animation, film posters, and much more. There will be opportunities to learn from current industry professionals, take field trips to TV/radio stations, movie theaters, and colleges/universities, and participate in various competitions. Students will participate in a wide variety of projects that serve to both educate and excite students in the amazing opportunities creative expression that this field offers. The final assessment for the course is a portfolio as a demo reel to send to potential employers for entry-level positions. **Successful completion of the class also gives the students the opportunity to earn college credit.** (ENG155/ENG255)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: English elective; Fine Arts

Screenwriting

Students will learn to write compelling screenplays that connect with their audience's emotions using various techniques that will allow them to develop strong characters and well developed story lines. Students will learn to observe life around them, drawing inspiration from their everyday encounters and use these observations for the basis of their screen plays. Students will learn appropriate vocabulary, grammatical usage, and stylistic structures specific to this genre. Students will also enhance their video production skills by utilizing the production process and bringing a select number of screenplays to the big screen. This class may be repeated for credit.

(ENG448/ENG449)

Length of Course: Semester 1, Semester 2 or Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Digital Media Arts

GR: Fine Arts; English elective

Multimedia Production

Multimedia Production is the journalism conglomerate of West Bloomfield, which encompasses the live news station, *Laker Update*, along with, the student newsmagazine, Spectrum. Working for the student body, we provide news in all major formats: broadcast, web, print, and social media. Students will conduct interviews, write in a variety of journalistic forms, and produce content for multiple platforms. Students are expected to become analytical consumers of media and technology to enhance their communication skills. Students will create audio and video recordings, podcasts, interviews, commercials, public service announcements, online content, photos of events, written copy for web and print publications. Extra time, including some weekends and evenings, may be required beyond the class time. Students interested in being a part of Multimedia Production need to have excellent time management skills, be able to meet deadlines, be comfortable speaking to people that they do not know, trustworthy, and responsible. Multimedia Production is a yearlong class and students are expected to register for both semesters. ***Students may be able to earn college credit after completing Digital Media Arts and Multimedia Production.*** (ENG151A/ENG251A)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Digital Media Arts; Successful completion of English 9

GR: Fine Arts; English elective

Video Field Production

This is a culminating capstone course for qualified students desiring occupational competencies for subsequent full-time employment or as a background for college. Students will develop and perfect their skills in an instructor approved capstone experience. (ENG168/ENG268)

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: Approval of Instructor. Students MUST submit a completed EDP along with their internship application as required by the State of Michigan for qualification.

GR: English elective; Fine Arts; Computers

English Department

Core Curriculum

WBHS requires 4 English credits to graduate

- 1.0 credit: 9th Grade - English Literature 9
- 1.0 credit: 10th Grade - American Literature
- 1.0 credit: 11th Grade - World Literature
- 1.0 credit: 12th Grade - English Elective

Required				
Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English Literature 9	X			
American Literature		X		
American Dream: Literature		X		
Honors American Literature		X		
World Literature			X	
Honors World Literature			X	
Multicultural Literature			X	
AP English Language & Composition*			X	
Electives				
College Essay Writing			X	X
Creative Writing			X	X
Debate	X	X	X	X
Debate 2			X	X
Drama (Theatre)	X	X	X	X
Drama 2 (Theatre)		X	X	X
Drama 3 (Theatre)*		X	X	X
English British Literature			X	X
Multicultural Literature			X	X
Digital Media Arts	X	X	X	X
Multimedia Production		X	X	X
Mythology			X	X
Points of View 1 & 2			X	X
Writing for Publication	X	X	X	X
Yearbook		X	X	X
Contemporary Young Adult Literature			X	X
AP English Language & Composition*		X	X	
AP English Literature & Composition*				X

Summer homework may be required for most English courses

Prerequisites are listed under the course description

*Require teacher recommendation or audition

Courses satisfying grade 9 requirements

English Literature 9

This 9th grade English course will expose students to different genres of literature including short stories, drama, poetry, and novels. Works will include classic and contemporary selections. In addition, this course will cover literary terminology, grammar, vocabulary, essay writing, and research. Students will use analytical skills to make cross-textual connections and draw conclusions. This course is a requirement for graduation. (ENG118/ENG218)

Length of Course: Full Year

Grade Level: 9

Prerequisite: None

GR: English 9

NCAA approved

Courses satisfying grade 10 requirements

American Literature

This literature-based course will allow students to refine their writing, vocabulary, and grammatical skills while developing their independent thinking and reasoning skills through the analysis of American literature. (Students will read both classic and contemporary American Literature.) Writing experiences include logical structure of a research paper with textual evidence and valid sources, formal literary analysis, and impromptu writing. Attention will be given to preparation for the SAT, ACT, and state examinations. (ENG100/ENG200)

Length of Course: Full Year

Grade Level: 10

Prerequisite: English 9

GR: English 9

NCAA approved

American Dream: Literature

An innovative opportunity provided by both the English and social studies departments, this literature and writing based course will allow students to refine their writing, vocabulary, and grammatical skills while developing their independent thinking and reasoning skills through the analysis of American literature. Students will read both classic as well as contemporary literature, focusing on the historical significance. Writing experiences include logical structure of a research paper with textual evidence and valid sources, formal literary analysis, and impromptu writing. Attention will be given to preparation for the SAT, ACT, and state examinations. (ENG100D/200D)

Must take with American Dream: US History

Length of Course: Full Year

Grade Level: 10

Prerequisite: English 9

GR: English

NCAA approved

Honors American Literature

This writing-based survey of American Literature is primarily designed for college-bound tenth graders who have advanced reading, writing, speaking, listening, studying, and thinking skills. Moving at a faster pace and with more depth than American Literature, this course gives students a historical perspective of American Literature while developing students' vocabulary and refining their writing through journals, efficient informal and extemporaneous writing, essays of varying length and style, mastery of the research process, proficient editing skills, literary analysis, and impromptu themes. Sample readings may include works by Hansberry, and Fitzgerald, as well as poetry, plays, short stories, and non-fiction works by other renowned American authors spanning over 400 years of literary works. Attention will be given to preparation for the SAT, ACT, and state mandated testing. (ENG102/ENG202)

Length of Course: Full Year

Grade Level: 10

Prerequisite: B or higher in English 9

9th Grade English Teacher's Recommendation

GR English: 10

NCAA approved

Courses satisfying grade 11 requirements

World Literature

In this required course for juniors, students will study various genres of classic and contemporary world literature. Narrative and informational texts will be read and analyzed with a special focus on a universal look at literature across time and cultures. Students will also study and practice forms of writing, editing, and grammatical structures. Students will prepare for college prep standardized testing success in English and writing sections. (ENG142/ENG242)

Semester: Year

Grade Level: 11

Prerequisite: American Literature

GR English: 11

NCAA approved

Honors World Literature

As the course title implies, Honors World Literature covers literature from all corners of the world with a special emphasis on those countries or cultures which have had a significant impact on the rest of the world's literature. This year-long course will cover many different literary genres and many different literary periods in an attempt to demonstrate literary parallels that are cross-cultural. Materials covered will range from the days of the early Greeks to the modern works of the Twentieth Century. Emphasis will be on novels, plays, short stories, poems, and essays, depending on the popularity of the form for the particular period and the particular country. It will also be necessary to examine sociological attitudes and ideas which are specific to each era and country in order to develop a better understanding of the literature's origin and purpose. (ENG148/ENG248)

Semester: Year

Grade Level: 11

Prerequisite: B or higher in American Literature

Teacher's Recommendation

GR: English 11

NCAA approved

Multicultural Literature

This literature course uses the lens of cultural norms, values, and traditions to study cultural backgrounds. Students will read, discuss, and write about contemporary novels, short stories, essays, poetry, and plays by and about authors of, but not limited to, African, Asian, European, LGBTQ+, Latino, Middle Eastern, and Native American descent. The assessments for the course include creative and expository writing, group/individual projects and presentations, technology and multimedia projects as well as impromptu essays. This course is designed to promote cultural awareness and a global understanding to the human experience. The first semester is focused on the adult experience through the texts *The Lone Ranger and Tonto Fistfight in Heaven*, *Homegoing*, *The Joy Luck Club*, and *Interpreter of Maladies*. The second semester looks at experiences through the lens of young adults while reading the novels *I'm Not Your Perfect Mexican Daughter*, *The 57 Bus*, and *Saints and Misfits*. (ENG144/244)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: None

GR: English 11 or English Elective

NCAA approved

Advanced Placement English Language and Composition

WEIGHTED. This course is an introductory college course designed to teach students the fundamental principles behind expository writing and rhetoric. Students in this course will go beyond analysis of prose and will delve into the meaning behind diction and intent. Students will analyze and process language for meaning, audience, style, tone, and diction. The material read in class will be chosen for its use of complex concepts as well as the unique approach it will give students into argumentative and impassioned writing. Writing styles such as imaginative, nonfiction, essays, speeches, and argumentative pieces will be explored and expanded upon. Students will be expected to identify intent and recognize the application for an intended audience and purpose. This is a high-paced and challenging course which will offer students a unique opportunity to take what they have learned in their previous English classes and push on to a new level, preparing them for success. This course is taken in addition to the American Literature or World Literature requirement. (ENG106/ENG206)

Length of Course: Full Year

Grade Level: 10, 11

Prerequisite: Teacher Recommendation

GR: English 11 or English elective

NCAA approved

English Elective Courses

College Essay Writing

This writing course is designed for college-bound students who have a serious interest in improving their composition skills. In addition to preparing a college application essay and a resume, students will produce a 6-8 page research paper in both MLA and APA styles. Students will write several essays on various topics during the semester. Vocabulary and grammar are incorporated in the course. Students will have the opportunity to enter essay and scholarship contests. (ENG421 (11) & ENG422 (12))

Do not take if you took AP Language

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: None

GR: English elective

NCAA approved

Creative Writing

This course is designed to ignite and cultivate a passion for writing through various techniques and genres of creativity. Students in this course will learn about the methods involved with writing fiction, including character development, novel organization, editing, and publishing. Units consisting of poetry analysis and expression, short story development, and writing for the stage will also be explored. Writing styles and the analysis of non-fiction, fiction, and poetry and well as digital editing, blogging, and web based journals will be explored. Students will be expected to create a writing portfolio containing a display of their work at the end of the semester along with self-reflection and assessment pieces to complement their completed product. (ENG410)

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: None

GR: English elective

NCAA approved

Debate 1

This course is designed to teach the basic tools of formal and applied debate, including the ability to analyze issues, research and utilize evidence, organize and deliver logical arguments, use extensive debate terminology and procedures, and to speak persuasively. This course also develops skills in critical thinking, note taking, outlining, and researching. Competition in extracurricular debates will be encouraged but is not required. (ENG413)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: English elective; Fine Arts

NCAA approved

Debate 2

In this course, students participate in numerous debate tournaments to prepare for state level competition. Advanced writing and speaking strategies will be explored. In addition, students will be responsible for team organization and the execution of a tournament. Students are also expected to attend two local class competitions. (ENG412)

Length of Course: Semester 1

Grade Level: 11, 12

Prerequisite: Debate Instructor recommendation, Current member of WBHS Debate Team or Debate 1

GR: English elective; Fine Arts

NCAA approved

Drama 1 (Theatre)

This course is a semester-long beginning level theatre class for students of all grade levels. The content of this class includes ensemble building, improvisation, monologues, and scene work. Students will play fun games, create original characters, write their own scripts, perform in class, build up confidence and speaking skills, and enjoy being part of a creative, supportive group of unique individuals. (ENG415)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: English elective; Fine Arts

Drama 2 (Theatre)

This course is a semester-long intermediate level theatre class for students of all grade levels. Prior experience with theatre is highly recommended for this class. Students will build upon previously learned skills to portray compelling, dynamic characters and more complex scenes. A focus on movement, diction, and script analysis will be an additional element of this class. This class culminates in a student driven one act play for a live audience. (ENG416)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Drama 1 or Teacher approval

GR: English elective; Fine Arts

Drama 3 (Theatre)

This year-long course is a rigorous, introductory college drama class for sophomores, juniors, and seniors. Students are selected for the class through an acting audition or tech interview, and are accepted based on teacher discretion. Students will partake in advanced level training and acting techniques which can be applied to auditions at the amateur and professional level. Students will also be exposed to a variety of different script genres and undertake in-depth script and character analysis. Tech students will take part in workshops of their area of interest by theatre professionals. This class culminates in a full-fledged student-led production in the WBHS auditorium for a live audience. (ENG117/ENG219)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Teacher recommendation or audition

GR: English elective; Fine Arts

English/British Literature

Selections will follow a thematic approach and involve students in discussions, visual enrichment, literary analysis, and class projects. In addition, students are exposed to historical and social philosophies. Students' study of literary genres will include the study of the following: the novel, the poem, the essay, and the drama. Special emphasis will be placed on writing and vocabulary development. Students will learn by using the literature as models to vary their audience and style as well as to learn the difference between reflective, creative and expository writing. Highlights from the class include: *Beowulf*, Shakespeare's *Macbeth*, Shelley's *Frankenstein*, Shaw's *Pygmalion*, Bronte's *Wuthering Heights*, and Chaucer's *The Canterbury Tales*. (ENG120/ENG220)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: "C" or better in other English courses

GR: English elective

NCAA approved

Mythology

Students in this course will study the myths of multiple cultures and nations and how those myths form the basis for religious and cultural structures, as well as their appearance in literature. Special emphasis will be placed on how mythology appears in and affects our own culture today. Students will study the themes of mythology as they appear in myths from around the world, including ancient Greek/Rome, Norse, Native American, Egyptian, African, and Asian myths. Themes will include creation stories, loss of innocence, changes, rituals, heroes, drama, legends, and others. Comparisons between world myths will show similarities and differences. Students will be expected to write various assignments including essays, journals, and some creative writing in addition to completing projects, whether on their own or collaboratively. (ENG453)

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: None

GR: English elective

NCAA approve

Points of View in Literature 1 & 2

Points of View Semesters 1 and 2 - A college prep class with a strong emphasis on social justice issues; we read books and design real world projects concerned with issues like mental health, veterans, the role of technology and government in the lives of citizens, the ongoing struggle for racial justice in America, women's inequalities, and so much more. Some books we read, discuss, and take action on include *Just Mercy*, *Slaughterhouse-Five*, *Fahrenheit 451*, *The Bell Jar*, *One Flew Over the Cuckoo's Nest*, *1984*, and student choice novels. (ENG437 & ENG438)

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: "C" or better in other English courses

GR: English elective

NCAA approved

Writing for Publication

This course is designed to acquaint students with the basic techniques of writing including but not limited to newspaper writing, literary writing, personal essay writing, podcasting and more. Students will practice interviewing, researching, organizing, editing, and developing final copy and headlines. Emphasis will be placed on professional attitude and behavior as well as perfecting journalistic skills. All students are responsible for writing, and writing is a major portion of the students' assessment. (ENG429)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: English Elective

NCAA approved

Yearbook

Students will be involved in every step of creating the WBHS yearbook. This includes copywriting, creative writing, editing, computer layout and graphics design, ad sales, marketing, photography, public relations, and distribution. **Students apply by application in December and may be interviewed and chosen by returning student staff and the instructor.** Students use creative writing, computer literacy, photography, and marketing and will have the opportunity to improve these skills on the yearbook staff. The final product will be a collaborative effort to produce a publication that chronicles a year in the life of our school. Extra time, including some weekends and evenings, **are required** beyond the regular class time. Students may take this class more than once and must enroll for two semesters each year. Staff is reviewed and invited back on a semester-by-semester basis. (ENG149/ENG249)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Application & Teacher Recommendation Required

GR: English Elective

Contemporary Young Adult Literature

In this course, students will engage with the growing body of contemporary literature written for and marketed to adolescents. We will read and discuss books related to gender, difference, sexual and cultural identity, race and class, friendship, coming of age, voice and silence, technology, and a range of other social and psychological themes. Students will share responsibility for facilitating discussion of whole class texts and read independently as participants in and facilitators of book club and literature circles. Other assessments include but are not limited to expository and creative writing, responses to the texts, individual and group projects, and presentations. (ENG450)

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: None

GR: English elective

NCAA approved

Advanced Placement English Literature and Composition

WEIGHTED. This course is designed for the highly motivated college bound senior with a special interest in taking the national Advanced Placement English exams (Literature and composition and/or Language and Composition). Successful performance on these tests can mean college credit and/or advanced placement at the college or university the student will enter. In order to prepare properly throughout the year, almost all essays on the literature and issues discussed will be of an **impromptu** nature. This course contains advanced reading and writing concepts and moves at a pace comparable to a college freshman course; therefore, Advanced Placement is a weighted grade course. Readings may include Shakespeare's *King Lear*, Austen's *Pride and Prejudice*, Atwood's *The Handmaid's Tale*, and Chopin's *The Awakening*. (ENG104/ENG204)

Length of Course: Full Year

Grade Level: 12

Prerequisite: 1 year World Literature, Teacher Recommendation Required

GR: English elective

NCAA approved

Industry and Technology Department

Career and Technical Education (CTE)

WBHS requires 1 Visual, Performing & Applied Arts credits to graduate

- 1.0 credit or 2 semester classes

****Earn college credit at OCC for this course; contact your counselor for details**

Only Engineering Academy students are eligible for the [Business Internship](#)

Admittance to the program is through an application process with Instructor approval

May also enroll in CAD and/or Architecture 1 as schedule permits

Advancement in program based on passing the previous level with a "C" or better or instructor approval.

Engineering Academy Requirements (1 per grade)

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
PLTW Introduction to Engineering Design **(STEAM student only)	X	X	X	X
Engineering 1	X	X	X	X
Engineering 2: Academy			X	X
Engineering 3: Academy			X	X
Engineering 4: Academy				X

Architecture /CAD

May count as college credit at some universities; see your counselor for details

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Architecture 1	X	X	X	X
Architecture 2	X	X	X	X
Architecture 3		X	X	X
Architecture 4		X	X	X
		X		
Computer Aided Design (CAD) 1	X	X	X	X
Computer Aided Design (CAD) 2	X	X	X	X
Computer Aided Design (CAD) 3		X	X	X
Computer Aided Design (CAD) 4		X	X	X

Prerequisites are listed under the course description

Industry and Technology Course Descriptions



Project Lead the Way: Introduction to Engineering Design 1

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, as well as an engineering notebook to document their work. (INT140/240)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: STEAM Student ONLY

GR: Senior year math based; Fine Arts

Engineering 1

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, as well as an engineering notebook to document their work. (INT100/200)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Senior year math based; Fine Arts

Engineering 2: Academy

In this class, students will focus on design and more advanced drawings as well as exploring the fields of electrical engineering, biomechanical engineering, thermal dynamics, and environmental engineering through hands-on activities and projects. Further use of the Nine Step Engineering Process will be at the core of this course. Some projects completed in this class are alternative energy projects, and micro-electric vehicles. (INT110/INT210)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Engineering 1: Academy or PLTW

GR: Senior year math based; Fine Arts

Engineering 3: Academy

This course is a continuation of Engineering 2: Academy. Students in this class will be put into a simulated work environment, taking on a different engineering role with each project. Students will further hone their drafting, designing, building, and testing skills, while getting a real feel for the typical workplace environment, including deadlines, project managers, and team meetings. The Nine Step Engineering Process will be at the core of these projects, further utilizing the skills developed in the District's STEAM initiatives. Concurrently, these students may be enrolled in Honors of AP Physics and Algebra 2. The skills that are learned in those classes will be incorporated into the projects in Engineering 3: Academy. (INT120/INT220)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Grade of "C" or higher in Engineering 2: Academy & Instructor Approval

GR: Senior year math based; Fine Arts

Engineering 4: Academy

This course is a continuation of Engineering 3: Academy. In this course, students will be working on an individual, semester-long project of the student's choice. The remainder of their time may be spent completing an extended educational opportunity, a Work Based Learning, or a job shadow placement with a reputable engineering firm in the area. (INT130/INT230)

Length of Course: Full Year

Grade Level: 12

Prerequisite: Grade of "C" or higher in Engineering 3: Academy & Instructor Approval

GR: Senior year math based; Fine Arts

Architecture 1

This course begins with the study of residential design through the construction of basic floor plans, elevations and site plans. Students will learn about various architectural and residential styles. They will be introduced to famous architects that relate to residential design. Students will learn and utilize mechanical drafting techniques and Computer Aided Design (CAD) software as it relates to the professional architectural industry. Students will learn professional presentation skills as they present their designs to the teacher and/or class. Students will explore a variety of careers and entrepreneurial skills related to architectural and construction industries. **Students taking this course can also sign up for Architecture 2.** (INT450)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Senior year math based; Fine Arts

Earn college credit at OCC for this course. Contact your counselor for details.

Architecture 2

This is a continuation of Architecture 1 in which students will explore a deeper understanding of residential architecture. They will be introduced to the steps involved in the design process. Students will learn about renovation and remodeling of an existing structure, will explore the structural designs of a residential space, explore various materials used in residential architecture and the overall construction process of a house. Students will refine and apply skills and ideas they developed in Architecture 1 to produce more detailed architectural drawings. As part of the floor plan design, students will also learn basic interior design skills. Students will explore more advanced design topics, including sustainable architecture and how it affects the environment. Students will continue to develop their presentation and career skills. (INT452)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: Grade of "C" or higher in Architecture 1

GR: Senior year math based; Fine Arts

Earn college credit at OCC for this course. Contact your counselor for details.

Architecture 3

This course is a continuation of Architecture 2 in which students will explore advanced topics and gain a deeper understanding of previous residential topics. Students will be introduced to commercial design. Students will learn about the management component of architecture and how it relates to the project management and construction professions. Students will design at least three projects of their own choosing where they will write a proposal for each project and, once approved, will work through the project from schematic design to construction document completion. Students will also create a portfolio of course related materials and demonstrate deeper mastery of a course related topic to be chosen by the student and instructor. (INT453)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Architecture 2

GR: Senior year math based; Fine Arts

Semester: 1 or 2

Architecture 4

This course is a continuation of Architecture 3 in which students will continue to explore advanced topics and gain a deeper understanding of residential and commercial designs. Students will design at least three projects of their own choosing where they will write a proposal for each project and once approved, will work through the project from schematic design to construction document completion. Students will also construct models of their designs. Students will add course related materials to their portfolios and demonstrate deeper mastery of a course related topic to be chosen by the student and instructor. (INT454)

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in Architecture 3

GR: Senior year math based; Fine Arts

Computer Aided Design (CAD) 1

This course is an introductory Computer Aided Design (CAD) and engineering graphics communication course. Students will learn how to use mechanical drafting tools and draw two-dimensional CAD drawings in AutoCAD. Students will begin by learning about the various careers and occupations related to the CAD and design professions. Then students will begin drawing and designing with basic sketching and measuring/dimensioning techniques. Students will learn to build the geometry used to construct and design a variety of objects. Students build their knowledge towards multi-view and orthographic pictorial drawings of mechanical parts and components. Students will have many chances to design their own prototypes that apply their skills and knowledge to real-world problems and solutions using the Engineering Design Process. **Students taking this course can also sign up for CAD 2.** (INT424)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Senior year math based; Fine Arts.

Earn college credit at OCC for this course. Contact your counselor for details

Computer Aided Design (CAD) 2

This course is a continuation of CAD 1 in which students explore more advanced CAD topics such as sectional, auxiliary drawing, tolerances, fasteners, working and assembly drawings. In this course, students move away from primarily designing components in two-dimensions, design, and learn three-dimensional design systems (AutoCAD 3D and Autodesk Inventor). Students will also learn to create product documentation and production materials such as Bill of Materials and manuals. (INT425)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: Grade of "C" or higher in CAD 1

GR: Senior year math based; Fine Arts.

Earn college credit at OCC for this course. Contact your counselor for details.

Computer Aided Design (CAD) 3 / (CAD) 4

These courses are designed to be a continuation of CAD 1 & 2 in which students will explore advanced topics and gain a deeper understanding of previous topics. Students will design at least three projects of their own choosing to create. Students will write a proposal for each project and once approved, will be working through the project. Students will participate in a design and/or engineering competition that will assist them in developing their professional design and presentation skills. Students will also have to create a portfolio of course related materials and demonstrate deeper mastery of a course related topic to be chosen by the student and instructor. (INT426/INT427)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Grade of "C" or higher in CAD 2, if in CAD 3 or CAD 3, if in CAD4

GR: Senior year math based; Fine Arts.

Earn college credit at OCC for this course. Contact your counselor for detail

Mathematics Department

Core Curriculum

WBHS requires 4 Mathematics credits to graduate

- 1.0 credit: 9th Grade – Algebra 1
- 1.0 credit: 10th Grade – Geometry
- 1.0 credit: 11th Grade – Algebra 2
- 1.0 credit: 12th Grade – Senior Year Math or Math Based Electives

By State mandate, students are required to take four years of mathematics, including Algebra 1, Geometry and Algebra 2. This is a very ambitious expectation, and it will take significant effort by the student to achieve in these courses. Mathematics is by nature a sequential discipline where each advanced course builds on the previously acquired knowledge and skills. As coursework becomes more advanced, greater emphasis is placed on retention and new application of previous skills. In addition, it is recommended that courses completed in summer school be used to earn credit for a class that may have been lost during the school year (a repeat). This is an important step to take to recapture any credit that may have been lost. The recommendation for future courses is based upon achievement during the regular school year.

PLEASE PAY CONSIDERABLE ATTENTION TO THE RECOMMENDATIONS MADE BY THE MATHEMATICS FACULTY.

A word of caution is in order. We, as district mathematics faculty, truly desire all students to be successful in their study of mathematics. With success comes a myriad of benefits, not the least of which is student self-confidence, self-esteem and willingness to further pursue new challenges. As such, students and parents should carefully consider the decision to begin the accelerated sequence of courses in the eighth grade. It is intended that this five year accelerated sequence culminates with a 12th grade course election of Advanced Placement Calculus (collegiate level material). It is a very demanding sequence of study and should not be elected if there is any question of long-term sustained student mathematical interest, industriousness, ability, and dedication.

Summer may be required for math courses

Traditional Path (Required)

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Algebra 1	X	X		
Geometry		X		
Algebra 2			X	
Algebra 2A			X	
Algebra 2B				X
Pre-Calculus				X

Accelerated Path (Required Options)**

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Honors Geometry	X	X		
Honors Algebra 2		X	X	
Honors Pre-Calculus		X	X	X
AP Pre-Calculus*		X	X	X
AP Calculus (AB)*			X	X
AP Calculus (BC)*			X	X
AP Statistics*				X

Prerequisites are listed under the course description

*Requires teacher recommendation

**Accelerated program will pick up where the student left off in 8th Grade. Should a student exceed the WBHS offerings in Math, they will be scheduled for Dual Enrollment.

Senior Math Based Electives

The courses described in this section are designed to enrich interested student's mathematical understanding beyond what is offered in the traditional sequence.

12th Grade	
<u>Algebra Formal Topics</u>*	<u>Advanced Marketing</u>
<u>Accounting</u>	<u>Architecture 1</u>
<u>Pre-Calculus</u>	<u>Architecture 2</u>
<u>Honors Pre-Calculus</u>	<u>Architecture 3</u>
<u>AP Pre-Calculus</u>	<u>Architecture 4</u>
<u>AP Calculus (AB)</u>*	<u>Computer Aided Design (CAD) 1</u>
<u>AP Calculus (BC)</u>*	<u>Computer Aided Design (CAD 2)</u>
<u>AP Statistics</u>*	<u>Computer Aided Design (CAD 3) (CAD 4)</u>
<u>AP Computer Science A</u>*	<u>Project Lead The Way: Introduction to Engineering Design 1</u>
<u>AP Computer Science Principles</u>*	<u>Personal Finance</u>
<u>Beginning Programming</u>	<u>Sports & Entertainment Marketing</u>
<u>Intermediate Programming</u>	<u>Video Game Design</u>
<u>Marketing</u>	

Prerequisites are listed under the course description

*Requires teacher recommendations

Mathematics Course Description

Algebra 1

Algebra 1 is a traditional Algebra 1 course and uses a "hands-on" approach. During the first semester, this rigorous course focuses on linear models and abstracting first-degree equations. A strong emphasis is placed on the symbolic manipulation skills of simplifying expressions and solving equations. Quadratic functions highlight the second semester of this course, with special emphasis on factoring, the quadratic formula and quadratic models. Authentic examples and simulations are used to help the students "bring the content to life." (MTH131/MTH231)

Length of Course: Full Year

Grade Level: 9

Prerequisite: None

GR: Algebra 1

NCAA approved

Geometry

Geometry is a model Geometry course with continued reinforcement of algebra. In this challenging course, students continue with their examination of quadratic functions via translational geometry. Boolean algebra prepares students for the classic geometry topics of parallel lines, triangle congruence and similarity, which will be developed by the students in the form of proof. Finally, trigonometry and special right triangles are explored both symbolically and through real-life models. (MTH132/MTH232)

Length of Course: Full Year

Grade Level: 10

Prerequisite: Algebra 1

GR: Geometry

NCAA approved

Algebra 2

Algebra 2 continues with the study of Algebra, paying special attention to functional analysis and problem solving. Geometry continues to be studied and reinforced, while transcendental functions (exponential, logarithmic and trigonometric) continue to be explored and developed through real-life phenomena. Trigonometry has a much greater place in this course, as the Law of Sines and the Law of Cosines are introduced and developed. This demanding course also integrates preparation for the major assessments (i.e., ACT, SAT, MEAP) within the constructs of the curriculum. (MTH133/MTH233)

Length of Course: Full Year

Grade Level: 11

Prerequisite: Geometry

GR: Algebra 2

NCAA approved

Pre-Calculus

Pre-Calculus is a classic Pre-Calculus course. Function analysis and applications showcase this course. Transcendental functions continue to play a key role, as properties of logarithms and translations of trigonometric functions are developed and expanded. Rates of change, parametric equations, displacement and vectors (essential elements of Calculus) are introduced through applied problems and advanced in explorations. This challenging, course provides the background necessary for success at the collegiate level. (MTH134/MTH234)

Length of Course: Full Year

Grade Level: 12

Prerequisite: Algebra 2

GR: Senior year math based

NCAA approved

Honors Geometry

Honors Geometry blends Algebra and Function Analysis with Geometry to prepare students for the challenges of honors course work. Students examine quadratic functions via translational geometry. Boolean algebra prepares students for the classic geometry topics of parallel lines, triangle congruence and similarity, which will be developed by the students in the form of proof. Trigonometry and special right triangles are explored both symbolically and through real-life models. The depth and rigor of this accelerated course exceeds the expectations of Geometry, though it is similar in content. (MTH152/MTH252)

Length of Course: Full Year

Grade Level: 9, 10

Prerequisite: Honors 8th grade Mathematics or Algebra 1 with teacher recommendation

GR: Geometry

NCAA approved

Honors Algebra 2

Honors Algebra 2 continues with the study of Algebra, paying special attention to functional analysis and problem solving. Geometry continues to be studied and reinforced, while transcendental functions (exponential, logarithmic and trigonometric) continue to be explored and developed through real-life phenomena. Trigonometry has a much greater place in this course, as the Law of Sine and the Law of Cosine are introduced and developed. The rigor of this course exceeds that of 3BC. Discrete Mathematics topics, like sequences and series, are introduced and explored. (MTH153/MTH253)

Length of Course: Full Year

Grade Level: 10, 11

Prerequisite: Honors Geometry

GR: Algebra 2

NCAA approved

Honors Pre-Calculus

Honors Pre-Calculus is a classic Pre-Calculus course. Function analysis and applications showcase this course. Transcendental functions continue to play a key role, as properties of logarithms and translations of trigonometric functions are developed and expanded. Rates of change, parametric equations, displacement and vectors (essential elements of Calculus) are introduced through applied problems and advanced in explorations. This challenging course provides the background necessary for success at the collegiate level. In addition, the first three chapters of Calculus are introduced to students as preparation for BC Calculus. (MTH154/MTH254)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Honors Algebra 2

GR: Senior year math based

NCAA approved

AP Pre-Calculus

AP Pre-Calculus students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

AP Pre-Calculus prepares students for other college-level mathematics and science courses. The framework delineates content and skills common to college pre-calculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Furthermore, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type.

Modeling is also a key feature of the course. Students select, construct, and validate function models using transformations of functions and regressions. Students learn to select mathematical models-based characteristics of a bivariate data set; characteristics of covarying quantities and their relative rates of change; or a set of characteristics such as zeros, asymptotes, and extrema. Students also identify, interpret, and apply information from a function model for a given context or data set, subject to assumptions and limitations related to the context.

Through the course, students strengthen their procedural and symbolic fluency skills needed for higher level mathematics. While studying each function type, students solve equations and construct equivalent analytic representations in both contextual and purely mathematical settings. (MTH02110A/MTH02110B)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Successful completion of Algebra 2, Teacher Recommendation

GR: Senior year math based

NCAA approved - TBD

Advanced Placement Calculus (AB)

WEIGHTED. AB Calculus completes Differential Calculus and the majority of Integral Calculus, which is slightly more content than the typical Calculus One course (first semester Calculus) offered in colleges. Upon successful completion of the AP Calculus AB exam, students can earn four college credits of Calculus and are prepared to take Calculus Two (second semester Calculus) in college. Topics primarily include differential calculus and integral calculus. (MTH156/MTH256)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Pre-calculus, Honors Pre-calculus, AP Pre-Calculus and Teacher Recommendation

GR: Senior year math based

NCAA approved

Advanced Placement Calculus (BC)

WEIGHTED. BC Calculus completes slightly more content than what a typical college examines in Calculus One and Calculus Two (i.e., the first two semesters of college Calculus). This course completes Differential Calculus and Integral Calculus, sequences and series, vector analysis, and polar curves. Upon successful completion of the AP Calculus BC exam, students can earn eight college credits of Calculus and are prepared to take Calculus Three (Multivariate Calculus) in college. Topics primarily include differential calculus, integral calculus, sequences and series, polar functions, and vectors. (MTH157/MTH257)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Pre-calculus, Honors Pre-calculus, AP Pre-Calculus and Teacher Recommendation

GR: Senior year math based

NCAA approved

Advanced Placement Statistics

WEIGHTED. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This two-semester course exposes students to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students who successfully complete this course and examination may receive credit and/or advanced placement for a one-semester, introductory, college, statistics course. (MTH145/MTH245)

Length of Course: Full Year

Grade Level: 12

Prerequisite: Teacher Recommendation and Counselor approval

GR: Senior year math based

NCAA approved

Math Electives and Support Courses

Algebra 2A

Algebra 2A covers the first semester of Algebra 2 in two semesters. Eligibility for this course comes from teacher recommendation. (MTH113/MTH213)

Length of Course: Full Year

Grade Level: 11

Prerequisite: Geometry

GR: Algebra 2 when combined with Algebra 2B

NCAA approved

Algebra 2B

Algebra 2B covers the second semester of Algebra 2 in two semesters. Combined with successful completion of Algebra 2A, students fulfill the Algebra 2 requirement established by the State of Michigan. Eligibility for this course comes from teacher recommendation and a personal curriculum. (MTH114/MTH214)

Length of Course: Full Year

Grade Level: 12

Prerequisite: Algebra 2A or first semester of Algebra 2

GR: Algebra 2 when combined with Algebra 2A

NCAA approved

Algebra Formal Topics

This math elective course is for students who are interested in enhancing their knowledge of general algebraic skills. A strong emphasis is placed upon traditional “pencil and paper” symbolic manipulation of algebraic expressions. This course is designed to assist students to be successful on their college math placement exam. (MTH141/MTH241)

*This course does **NOT** replace credit for Algebra, Geometry, or Algebra 2.*

Length of Course: Full Year

Grade Level: 12

Prerequisite: None

GR: Senior year math based

NCAA approved

Music Department

Core Curriculum

WBHS requires 1 Visual, Performing & Applied Arts credits to graduate

- 1.0 credit or 2 semester classes

The West Bloomfield High School Music Department offers a wide variety of music courses; Band, Choir, Orchestra, and AP Music Theory. All courses fulfill the Fine and Applied Arts requirement for graduation. Courses in the music department may usually be repeated for credit.

The primary vehicle for performance class assessment of student is ensemble performance. A significant portion of the daily rehearsal activities is spent preparing for school and community performances; however, it is not possible for our performing ensembles to make adequate concert preparation solely during class time. **Students electing music performance classes are expected to attend rehearsals and performances that occur outside of the school day** (afternoons, evenings, weekends, etc.). Generally speaking, performing ensembles present one concert per marking period, although some groups require additional school and community performances as part of the regular curriculum.

Please contact the instructor for additional requirements.

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Music Appreciation	X	X	X	X
Beginning Band & Strings	X	X	X	X
Concert Band	X	X	X	X
Symphony Band		X	X	X
Symphonic Winds		X	X	X
Philharmonic Orchestra	X	X		
Concert Orchestra	X	X	X	X
Symphony Orchestra	X	X	X	X
Chorale	X	X	X	X
Concert Choir	X	X	X	X
Chamber Choir	X	X	X	X
AP Music Theory *	X	X	X	X
Laker Express		X	X	X

Prerequisites are listed under the course description

*AP courses require teacher recommendation

Music Course Descriptions

Music Appreciation

In this course students will “travel back in time” to learn some musical basics and history. In the first three units, students will learn about basics of musical ideas, notation, and instruments. In the remaining 5 units, students will learn about important musical ideas and people from the Ancient Times to the 20th Century. Students will be guided through a series of activities, lessons, and assessments that teach them to identify and think about music in a way they may not have previously thought to do. (MUS05118A/MUS05118B)

Length of course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Beginning Band & Strings

Beginning Concert Band is an introductory band class offered to students with no prior instrumental music experience. This class is suitable for students who wish to learn a wind, strings, or percussion instrument for the first time, students with prior musical background who wish to learn a secondary (wind, strings, or percussion) instrument, or students who enrolled in instrumental music for one year at the junior high level and wish to resume instruction. In addition, musical fundamentals, including basic note and rhythm reading, tone, articulation, technique, etc. will be addressed. Students will have performance opportunities as well as opportunities to participate in field trips to local music performances and venues. (MUS05104A/MUS05104B)

Length of course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Fine Arts

Concert Band

Concert Band offers all interested students with a moderate degree of proficiency on a band instrument an opportunity to perform. A wide variety of music is studied. Maintaining membership requires continued effort, interest, and proper deportment. Performances are a logical outgrowth and include concerts, festivals, solos, ensembles, recitals, and appearances within the community where appropriate. (MUS115/MUS215)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10

Prerequisite: Previous experience playing a band instrument

GR: Fine Arts

Symphony Band

Symphony Band offers all interested students with an intermediate degree of proficiency on a band instrument an opportunity to perform. A wide variety of music is studied. Maintaining membership requires continued effort, interest, and proper deportment. Performances are logical outgrowth and include concerts, festivals, solos, ensembles, recitals, and appearances within the community where appropriate. (MUS110/MUS210)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 10, 11, 12

Prerequisite: Successful completion of Concert Band and instructor approval

GR: Fine Arts

Symphonic Winds

Symphonic Winds is a study of advanced, integrated instrumental music based upon a four-year cycle. The integrated music curriculum teaches technical, listening, translated, analytical, and performance skills for literature in historical and multi-cultural contexts. Symphonic Winds offers all interested students who play wind and percussion instruments an opportunity to study and perform a wide variety of music. The music performed is of the highest difficulty and quality in the wind band literature. Maintaining membership requires continued effort, interest, and proper deportment. Performances are logical outgrowth and include concerts, festivals, solos, ensembles, recitals, and appearances within the community where appropriate. The band may give a spring concert tour. (MUS108/MUS208)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 10, 11, 12

Prerequisite: Audition Only

GR: Fine Arts

STRINGS

Concert Orchestra

This course offers all interested students with an intermediate degree of proficiency on a string instrument an opportunity to perform as an ensemble. A wide variety of music is studied. This course teaches technical, listening, analytical, and performing skills. Maintaining membership requires continued effort, interest, and proper deportment. Performances are a logical outgrowth and include concerts, festivals, solos, ensembles, recitals, and appearances within the community where appropriate. (MUS135/MUS235)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Previous experience playing a string instrument required.

GR: Fine Arts

Philharmonic Orchestra

This course offers all interested students, with a beginning through beginning intermediate degree of proficiency on a string instrument, an opportunity to perform as an ensemble while increasing one's musical technique/skill. A wide variety of genres of appropriate level music will be studied. This course teaches technical, listening, analytical and performing skills. Maintaining membership requires continued effort, interest and proper deportment. Performance are a logical outgrowth and include concerts, festivals, solo, ensembles, recitals and appearances within the community where appropriate. (MUS105/MUS205)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Previous experience playing a string instrument is required.

GR: Fine Arts

Symphony Orchestra

This course is a study of advanced integrated instrumental music based upon a four-year cycle. The integrated music curriculum teaches technical, listening, analytical, and performance skills for literature in historical and multi-cultural contexts. This class is for all interested students with an advanced degree of proficiency on a string instrument. Maintaining membership requires continued effort, interest, and proper deportment. Performances are a logical outgrowth and include concerts, festivals, solos, ensembles, recitals, and appearances within the community where appropriate. (MUS107/MUS207)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Audition Only

GR: Fine Arts

VOCAL MUSIC

Chorale

Chorale is a women's ensemble designed for young women with no prior high school level experience in vocal music. All you need is a willingness to try new vocal music experiences and be part of a team. A positive attitude is a must. Music selections include classical/traditional choral repertoire in the fall and contemporary pop and Broadway, Quarter 4. Although music may also include multi-cultural, popular, contemporary, musical theater, folk, spiritual, sacred, and novelty songs. Grading is based on participation and attitude at rehearsals and performances. No audition is necessary. (MUS118/MUS218)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Females only

GR: Fine Arts

Concert Choir

Concert Choir is a mixed ensemble comprised of both male and female students. No prior high school singing experience is required of male students. Female students are required to have prior background in singing and music reading at the high school *primary level*. This class includes work on developing sight reading skills, social responsibility, and vocal technique in the preparation of classical to contemporary choral repertoire. Students will participate in MSVMA choral festivals, and a minimum of four school and community concerts per year. FEMALES MUST AUDITION. (MUS120/MUS220)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12 Male; 10, 11, 12 Females

Prerequisite: Female audition required.

GR: Fine Arts

Chamber Choir

Chamber Choir is developed for the experienced and serious vocal music student with the ability to read music at a high school MSVMA ***intermediate level, a mature tone quality, and social responsibility.***

This class includes work on developing sight reading skills, music theory, and vocal technique in the preparation of classical to contemporary choral repertoire. Students will participate in after school commitments including; solo & ensemble festivals, choral festivals, and school and community concerts. AUDITION IS REQUIRED. (MUS121/MUS221)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12 Males

10, 11, 12 Females

Prerequisite: Audition Only

GR: Fine Arts

Laker Express

Laker Express is the WBHS a cappella eight-part advanced performing vocal ensemble. They specialize in vocal jazz and a cappella classical. This is a small ensemble and membership will be limited to 20 students (five per voice part: soprano, alto, tenor, bass). Students taking this course must demonstrate advanced vocal technique and music reading ability. Participation in school, community, state and national performances, as well as, the MSVMA Pops Festival will be included as part of the course. This includes multiple events during and after the school day. AUDITIONS REQUIRED (MUS130/MUS230)

Attendance at all performances as well as rehearsals scheduled outside of class are mandatory.

Length of course: Semester 1, Semester 2 or Full Year

Grade Level: 10, 11, 12

Prerequisite: Approval of Instructor; Audition Required

GR: Fine Arts

Advanced Placement Music Theory

Advanced Placement Music Theory is designed for students who need to advance their studies preparing for a career as well as for those who want to enrich their musical talent. It is designed to develop musical skills that will lead to a thorough understanding of music composition and music theory. Students are prepared to take the AP Music Theory exam when they have completed the course. The music literature to be studied will offer an overview of Western Art Music, with an emphasis on music of the Common Practice Era (1600—1750). The students will be exposed to many styles of music, and representative composers from each era. (MUS140/MUS240)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of Instructor

GR: Fine Arts

See Director for appropriate course placement

Physical Education and Health Department

Core Curriculum

WBHS requires 1 Physical Education credit,
including Personal Health Education to graduate

- .5 credit: 9th Grade - Health Education
- .5 credit: 10th – 12th – Physical Education

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Personal Health Education	X	X	X	X
Physical Education 1	X	X		
WBHS Aquatics	X	X	X	X
Aerobics		X	X	X
Physical Education 2		X	X	X
Pilates & Yoga Fitness		X	X	X
Sports Specific Advanced Conditioning		X	X	X
Weight Training & Conditioning		X	X	X

Prerequisites are listed under the course description

Physical Education Course Description

Personal Health Education

Health Education is a graduation requirement taken during the freshman year. The course provides knowledge and skills in areas, including emotional health, nutrition, exercise, alcohol and drugs, and human sexuality. Students have the opportunity to become certified in standard first aid, cardio-pulmonary resuscitation and automatic electronic defibrillation. Students are encouraged to take personal responsibility in making healthy decisions in regards to their physical, social, and mental/emotional well-being. A community service project of ten volunteer hours outside of school is required during the semester the class is taken. (PED401)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Health Education

Physical Education 1

This course lays a foundation for students in physical education as well as insight for future elective choices. Students will receive instruction in fitness training which includes cardiovascular endurance, flexibility, muscular strength, and muscular endurance. Class activities include both team and individual sports focusing on skill development and game play. (PED402)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10

Prerequisite: None

GR: Physical Education

Aerobics

This class is ideal for cross-training purposes as well as for students looking to learn about physical fitness. Through comprehensive activities each student has the opportunity to improve their individual endurance, strength, flexibility, balance, and coordination. These activities can be used for a lifetime of wellness practices and include: low impact aerobics, step aerobics, kick boxing, strength training, circuit training, HIIT, Tabata, aqua aerobics (optional), and occasional game play. Each students' fitness is tracked through periodic fitness testing conducted as part of the WBHS Physical Education curriculum. (PED420)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Physical Education

WBHS Aquatics

WBHS Aquatics will instruct and familiarize students with the pool and its surroundings. Teachers will stress the importance of physical activity through swimming and water sports as well as water safety. Students will be introduced to all four racing strokes, flip turns, gliding, starts, front dives, the stride jump, hook save, circuit stations, water polo and the biathlon. WBHS Aquatics is designed to be taught with the non-swimmer in mind. (PED464)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Physical Education

Physical Education 2

This course is designed for students with previous physical education experience and a desire for more competitive and strategic game play. Activities include all of the fitness components, plus units of badminton, tennis, volleyball, floor hockey, basketball, soccer, touch football, ultimate Frisbee, table tennis, pickle ball, team hand ball, shuffleboard, and interclass games of dodge ball and mat ball. (PED403)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Physical Education

Pilates and Yoga Fitness

Pilates and Yoga Fitness is a course designed for mainstream conditioning. A typical class includes Pilates mat work, yoga flows/balance and strength/cardio conditioning on a daily basis. Proper breathing techniques are emphasized to promote relaxation, coordination of the body and mind, as well as proper posture. This class is ideal for all levels of experience as modifications and advanced options are offered to suit individual needs. Each students' fitness is tracked through periodic fitness testing conducted as part of the WBHS Physical Education curriculum. (PED430)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Physical Education

Sports Specific Advanced Conditioning

This course offers a conditioning program to improve sports skills and specific athletic activities. It also improves fitness, speed, balance, core conditioning, and coordination with various protocols including plyometrics, agility, games, strength, and conditioning exercises. During semester 1, the focal point of the course will be the implementation of basketball as well as baseball and softball. Semester 2 will focus on football and lacrosse. Majority of the class structure will be comprised from students participating in various junior varsity and varsity athletics at the high school level. The basketball section of the course is for all students interested in learning the game of basketball. The class will focus on individual fundamental, team strategies, specific conditioning, and weight training workouts to take students to a higher level. The team concepts and philosophy will be consistent with the basketball programs at WBHS. The football section of the course is for all students interested in learning the game of football. The class will focus on individual fundamentals (position work), team strategies, and specific conditioning and weight training workouts to take students to a higher level. The team concepts and philosophy will be consistent with the football program at WBHS. The baseball/softball section of the course is for all students interested in learning the game of baseball/softball. The class will focus on individual fundamentals, team strategies, and specific conditioning and weight training workouts to take students to a higher level. The team concepts and philosophy will be consistent with baseball and softball programs at WBHS. The lacrosse section is for all students interested in learning the game of lacrosse. The class will focus on individual fundamental (position work), team strategies, and specific conditioning and weight training workouts to take students to a higher level. The team concepts and philosophy will be consistent with the lacrosse programs at WBHS. (PED470/PED472)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: Application

GR: Physical Education

Weight Training and Conditioning

This course features various cardiovascular conditioning activities including jumping rope, running, stair climbing and work on specific pieces of exercise equipment. Students will receive instruction in various types of weight training programs and lectures on anatomy, nutrition and steroid use. The class will include the use of free weights and various units of weight training apparatus. Each student may design and perform an individual program based on the above methods with instructor approval. (PED461)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Physical Education

Science Department

Core Curriculum

WBHS requires 3 Science credits to graduate

- 1 credit: 9th Grade – Biology
- 1 credit: 10 Grade – Integrated Physical Science, Honors Chemistry, Honors Physics
- 1 credit: 11th Grade – Earth Science or Science Elective

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Biology	X			
Earth Science			X	X
Integrated Physical Science		X	X	X
Human Biology		X	X	X
Honors Chemistry *	X	X	X	X
Honors Physics *		X	X	X
Medical Skills & Innovation		X	X	X
AP Biology *		X	X	X
AP Chemistry *		X	X	X
AP Physics 1 *		X	X	X
AP Physics "C" (Mechanics) *			X	X
AP Environmental Science *			X	X
Astrophysics			X	X
Science Capstone: Investigation & Design *				X
Medical Mentorship *				X

Prerequisites are listed under the course description

**Requires teacher recommendation*

Science Course Description

Biology

This is an introductory, college preparatory course. Students will engage in classroom lecture, discussion, and laboratory experiences. Students will access the Next Generation Science Standards through storylines that include both Science and Engineering Practices, as well as, Cross Cutting Concepts from topics including diversity of organisms, cellular and molecular biology, heredity, growth and development, structure and function of organisms, evolution, and ecology. (SCI120/SCI220)

Length of Course: Full Year

Grade Level: 9

Prerequisite: None

GR: Biology

NCAA approved

Earth Science

This course provides students with a wide variety of earth science concepts, principles and experience. We live on an ever-changing, dynamic planet. Students will discover how Earth undergoes these incredible changes in its geosphere, hydrosphere, atmosphere, biosphere and cosmos, emphasizing the delicate balance between land, water, air, and space. The themes covered in class are Space Systems, History of the Earth, Earth Systems, Weather and Climate and Human Sustainability. (SCI103/SCI203)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: None

GR: Science elective

NCAA approved

Human Biology

This class is designed for students to gain insight into the anatomy and the physiology of the human body. This class emphasizes project and laboratory work, such as rat and eyeball dissection, and creating models of the human skeleton, heart and even a digestive system. There may also be an opportunity to view a total knee replacement. Topics studied may include cells, histology, skeletal system, nervous system, digestive system, cardiovascular system, immune system, and parasitology. This class is an excellent resource for students who plan to take, or are currently enrolled in, the Medical Mentorship program, and/or Medical Skills and Innovations, as well as, students who are interested in pursuing a career in the medical profession. (SCI121/SCI221)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Biology

GR: Science elective

NCAA approved

Honors Chemistry

This chemistry course is designed for students that are interested in exploring the fundamental concepts of chemistry. Students will study topics including; atomic structure, quantitative relationships, chemical reactions, periodic law, thermodynamics and gas laws. The course allows students to develop a logical, analytical approach to problem solving. Students must be competent in algebraic skills. This course is intended for students who are self-motivated and possess a high level of academic skills. Honors Chemistry is a prerequisite for Advanced Placement Chemistry. (SCI134/SCI234)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Teacher Recommendation

GR: Chemistry

NCAA approved

Honors Physics

This exciting and challenging course is a highly recommended prerequisite to studying mathematics, science, engineering or medicine in college as well as a suggested prerequisite for Advanced Placement Physics 1 and a necessary prerequisite for Advanced Placement Physics C. Through lectures, labs, projects, and other activities, students will apply their algebraic and critical thinking skills to solve real-life problems. Topics covered include motion, Newton's Laws, linear momentum, circular motion, gravity, energy, waves, electrostatics, electricity, and magnetism. Students electing this course should be competent in algebra, trigonometry, graphing, conversions and calculator use, and have a strong interest in science. (SCI135/SCI235)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Teacher Recommendation

GR: Physics

NCAA approved

Integrated Physical Science

This course will explore the big ideas in the physical sciences, exploring phenomena in physics and chemistry. They will use the Engineering Design Process (EDP) to investigate the physical world and emulate what scientists/engineers do to design and build systems and models. Through an inquiry-based approach, students will build, deepen, and apply their understanding of how the world works with the key ideas that traverse multiple science and engineering disciplines. (SCI130A/SCI230A)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: None

GR: Chemistry

Medical Skills & Innovation

This course explores and develops the skills necessary to be successful in the healthcare professions. Our goal is to expose all of our students to a variety of healthcare professionals and to ask our students to dive deeper into their own healthcare field of interest. In addition, this course has a competitive, project-based curriculum that will prepare our students to be successful in the healthcare industry (SCI162/262)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Grade "C" or better in Biology

GR: Science elective

Advanced Placement Biology

WEIGHTED. This course follows the outline for Advanced Placement in Biology. Subject matter involves a review of first and second year courses with a balanced presentation of animal physiology, microbiology, genetics, and evolution at the college level. (SCI125/SCI225)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Biology and Teacher Recommendation

GR: Biology

NCAA approved

Advanced Placement Chemistry

WEIGHTED. This course follows the Advanced Placement Chemistry course outline and is designed to be the equivalent of a student's first college year in a general Inorganic Chemistry class. It is taught at a level and pace suggested by the College Board that will allow the student to successfully complete the course and possibly earn college credit by taking the Advanced Placement Chemistry exam. Topics include atomic structure, spectrophotometry, stoichiometry, phases of matter, gas laws, solutions, kinetics, equilibrium, acids and bases, electrochemistry and thermochemistry. Laboratory experiments with an inquiry based approach support topics studied and concentrate on developing lab techniques and analysis skills.

This course is intended for students who are self-motivated, possess a high level of academic skill, and are prepared for a college-level program. (SCI131/SCI231)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Honors Chemistry or Integrated Physical Science and Teacher Recommendation

GR: Chemistry; Senior year math based

NCAA approved

Advanced Placement Physics 1

WEIGHTED. This course is intended to provide an equivalent experience to the first semester of a university course in **algebra-based** physics, covering the topics motion, Newton's Laws, energy, momentum, rotation, angular momentum, universal gravitation and simple harmonic motion. AP Physics 1 does NOT require calculus. It is intended for students who plan to pursue **life sciences, medicine, psychology, or other sciences with less of a physical science basis, or non-science programs with science requirements**. This course is also suitable for those students who are pursuing studies in physical sciences or engineering, but are not taking calculus concurrently. Successful students will be prepared to place out of the first semester of college physics, or minimally will be exceptionally well-prepared to take such a college course. To see if your intended college or university accepts this course for credit, and what AP test scores are required for credit, point your browser to <https://apstudent.collegeboard.org/creditandplacement/search-credit-policies> (SCI155/SCI255)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Teacher Recommendation

GR: Physics

NCAA approved

Advanced Placement Physics C Mechanics

WEIGHTED. This course is intended to provide an equivalent experience to a first semester university or engineering school course in **calculus-based** physics. AP Physics C is for students who wish to specialize in **physical science or engineering** in college. Successful students will be prepared to place out of their first year of college physics, or minimally will be exceptionally well-prepared to take such a course in college. AP Physics C requires a previous or concurrent course in calculus, and calculus BC is recommended. Most engineering schools require AP Physics C for credit in their programs. Without a previous or concurrent calculus class, you should select AP Physics 1. To see if your intended college or university accepts this course for credit, and what AP test scores are required for credit, go to: <https://apstudent.collegeboard.org/creditandplacement/search-credit-policies> (SCI153/SCI253)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Teacher Recommendation

GR: Physics

NCAA approved

Science Electives

Astrophysics

This course provides students with a wide variety of Astronomy concepts, principles, and experiences. Astrophysics centers on the theme *What did our ancestors see? What do we see? What will our descendants see?* Topics covered include the historical development of astronomy and its impact on society, understanding the annual/daily motion of common celestial objects, locating objects in the night sky, constellations identification and stellar evolution. Course work will include student projects and outside activities. (SCI470)

Interested students should be willing to conduct a number of early morning and evening observations.

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: None

GR: Science elective

NCAA approved

Advanced Placement Environmental Science

The Advanced Placement Environmental Science class is designed to be the equivalent of a one semester, introductory college course in environmental science. It is intended to enable students to undertake a more advanced study of topics in environmental science and/or fulfill a basic requirement for a laboratory science course. The goal of the class is to allow students to be successful on the AP Environmental exam in May. Environmental Science is interdisciplinary and embraces the following core content: Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution, and Global Change. Field trips and off-campus activities are expected; therefore, students will be released to attend these activities from class and must provide their own transportation. (SCI105/SCI205)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Biology, Integrated Physical Science, Algebra 1 and Teacher Recommendation

GR: Science elective

NCAA approved

Science Capstone: Investigation and Design

The goal is for students to invest themselves in a project that takes aim at solving a problem or enacting a positive change. Project impact can range from a community level to a global scale. Students must be passionate about their project of choice. They will be expected to investigate, interact with and report findings of their project by the spring of their senior year. Students will negotiate the topic of the project with the facilitator to help ensure significant value. At the end of the process, the student will present their project to a public audience. Class will meet in the spring of the junior year to discuss topics and project planning. A STEAM study abroad may accompany this class though is not required. (SCI161/261)

(SCI161/261)

Length of Course: Full Year

Grade Level: 12

Prerequisite: "C" or better in 3 credits of Science; 3.5 GPA, Teacher Recommendation

GR: Science elective

Medical Mentorship

This course is designed to provide students with a shadowing opportunity in various medical settings throughout the metro Detroit area, including some at Henry Ford Hospital in West Bloomfield. Students will apply during their junior year. Highly recommended for applicants to have successfully completed either AP Biology or AP Chemistry by the end of 11th grade. Students are required to complete AP Biology by the end of the 12th grade. Medical Mentorship is a two semester course with one graduation credit. (SCI160/SCI260)

(SCI160/SCI260)

Length of Course: Full Year

Grade Level: 12

Prerequisite: AP Biology or AP Chemistry, Application only

GR: Science elective

Independent Study Organic Chemistry/Lab Assistant

This course is open to any senior level student who has successfully completed Advanced Placement Chemistry in a prior year with a grade of either A or B. This course is designed to provide a fundamental overview of Organic Chemistry to students interested in pursuing a career in the sciences. Upon successful completion of this class, students will understand the relationship between structure and function of molecules, the major classes of reactions, reaction energetics and mechanisms, synthesis of organic compounds, and how to determine structure via various spectroscopic techniques. Students will participate in both in-person & virtual labs in which they will perform a variety of experiments. The Laboratory Assistant requirements are as needed to assist in chemical preparation, set up, manage the chemical supply room, clean up and/or review & assess the lab work.

This course is intended for students who are self-motivated, able to work diligently independently, possess a high level of academic skill, and are prepared for a college-level program. (SCI180/SCI280)

Length of Course: Semester or Full Year

Grade Level: 12

Prerequisite: AP Chemistry and Teacher Recommendation and application process.

GR: Chemistry or Science elective

Social Studies Department

Social Studies Course Offerings

Each Social Studies course deals with a particular subject area that is the main focus of that course, but three additional common threads are found in all Social Studies courses which include geographical literacy, current events, and a greater awareness and acceptance of cultural differences.

Core Curriculum

WBHS requires 3 Social Studies credits to graduate

- 1.0 credit: 9th Grade – World History/AP World History
- 1.0 credit: 10th Grade – United States History
- 1.0 credit: 11th Grade – Civics & Economics

Required Courses

Courses	9 th Grade	10 th Grade	11 th Grade	12 th Grade
World History	X		X	
United States History		X		
American Dream: US History		X		
Civics	X		X	
Economics	X		X	
AP US Government & Politics *			X	X
AP United States History (APUSH) *		X	X	X
AP World History *	X	X	X	X

Electives

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
African American History		X	X	X
Cultural Studies of Gender		X	X	X
Global Studies of Genocide		X	X	X
Michigan History	X	X	X	X
PEER Mentorship W.E.B			X	X
Positive Psychology	X	X	X	X
Professional Apprenticeship			X	X
Psychology		X	X	X
Student Leadership	X	X	X	X
AP African American Studies		X	X	X
AP European History			X	X
AP Macro-Economics		X	X	X
AP Micro-Economics		X	X	X
AP Psychology				X

Prerequisites are listed under the course description

*AP courses require teacher recommendation

Social Studies Course Descriptions

Required Courses

World History

World History takes a global and comparative approach to studying the world and its past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. The course is organized within historical eras and on different geographic scales. Students will work at three interconnected spatial scales: the global, interregional, and regional. Students will focus on the causes, consequences, and patterns of changes in human governance systems and changes over time as well as interactions among societies and regions, including trade, war, diplomacy, and international institutions. The impact of demographic, technological, environmental, and economic changes on people, their culture, and their environment will also be addressed. Students will explore cultural, intellectual, religious, and social changes across the world and the relationship between the environment and global and regional developments in population, settlement, economy, and politics. (SST140/SST240)

Length of Course: Full Year

Grade Level: 9, 11

Prerequisite: None

GR: World History

NCAA approved

Advanced Placement World History

WEIGHTED. The course offers *motivated students* the opportunity to immerse themselves in the processes that, over time, have resulted in the knitting of the world into a tightly integrated whole. AP World History offers an approach that lets students "do history" by guiding them through the steps a historian would take in analyzing historical events and evidence worldwide over a millennium. Advanced Placement World History offers truly balanced global coverage with Asia, Africa, the Americas and Europe each represented. The Advanced Placement program (AP) offers a course and examination in world history to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in world history. Students who successfully complete the course may wish to take the World History Advanced Placement exam in May. (SST108/SST208)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Teacher Recommendation

GR: World History

NCAA approved

United States History

In this course, students will be exposed to multiple viewpoints while learning about the people and events that influenced our country. They will engage in a variety of activities and will be asked to use their knowledge of the past to try to make sense out of the present. Students will study our nation's founding political ideals, and will critically evaluate times and places where people challenged, violated or expanded those ideals. Through a disciplined study of history, students will develop the skills for critical thought, analysis and expression that are essential for citizens in a democratic society. (SST100A/SST200A)

Length of Course: Full Year

Grade Level: 10

Prerequisite: None

GR: United States History

NCAA approved

American Dream: United States History

In this team-taught course, students will be exposed to multiple viewpoints while learning about the people and events that influenced our country. They will engage in a variety of activities and will be asked to use their knowledge of the past to try to make sense out of the present. Students will study our nation's founding political ideals, and will critically evaluate times and places where people challenged, violated or expanded those ideals. Through a disciplined study of history and literature, students will develop the skills for critical thought, analysis and expression that are essential for citizens in a democratic society. (SST100D/SST200D)

Must select American Literature Dream as an English

Length of Course: Full Year

Grade Level: 10

Prerequisite: None

GR: United States History

NCAA approved

Advanced Placement United States History (APUSH)

WEIGHTED. Advanced Placement U.S. History is an intensive, university level history survey course designed for *academically motivated, self-directed students*. The goal of this course is to make sense out of this nation's past and present in intelligent, often provocative ways. Whereas, most history courses focus exclusively on political, economic, and military history, this course also examines the past from a variety of non-traditional perspectives. For instance, special emphasis is given to "debunking" commonly held historical myths and misunderstandings. A significant portion of this course focuses on different historical philosophies and conceptual frameworks, from the conservative to the extremely radical. Many students successfully completing this course go on to take the AP U.S. History national exam in May. (SST107/SST207)

Length of Course: Full Year

Grade Level: 10, 11,12

Prerequisite: Teacher Recommendation

GR: United States History

NCAA approved

Civics

The civics content engages students in thinking critically about civic life, politics, government and social justice. Students will study the origins and foundations of the American political system to understand how the Constitution functions to embody the purposes, values and principles of American Constitutional Democracy. Students will further examine the relationship of the United States and its role in world affairs. In addition, students will acquire skills to help them as citizens to identify, describe, explain, and analyze information and arguments as well as evaluate, take and defend positions on public policies. The acquisition of knowledge and skills and the development of civic values take place within a variety of contexts. Understanding of home, school, community, state, nation, and the world are especially important in civic education. (SST416)

Length of Course: Semester 1 or Semester 2

Grade Level: 11

Prerequisite: None

GR: Civics

NCAA approved

Economics

Students will understand how economies function and how to apply the concepts and principles of economics to their lives as citizens. Understanding and applying these concepts and principles help students make sense of daily events and enables them to analyze, investigate and develop practical thinking about economic challenges and public policies. Students will learn to think critically about globalization so they may be prepared for responsible citizenship, further learning, and productive employment in our Nation's global economy. Course content involves individual and household choices, personal finance issues, business and entrepreneurial decisions, and public policy. Students analyze and study economic concepts and principles in three contextual areas: individual and household, business, and government or public. (SST417)

Length of Course: Semester 1 or Semester 2

Grade Level: 11

Prerequisite: None

GR: Economics

NCAA approved

Advanced Placement U.S. Government and Politics

WEIGHTED. Advanced Placement U.S. Government and Politics is an intensive college level course designed for students wishing to engage in an advanced course of study in U.S. government and the political process. The goal of this course is to help students make sense out of this nation's governmental and political structures in the context of specific historical, economic and social frameworks. This class will examine U.S. government as a complex structure meriting thoughtful, critical analysis. The integration of current events and online activities allows students to actively engage with the political process in meaningful ways. Most students enrolling in this course opt to take the national Advanced Placement exam in May and special attention is given to preparing students for this exam. A political participation project may be required of all students enrolling in this course. (SST105/SST205)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Teacher Recommendation

GR: Civics

NCAA approved

Social Studies Elective Courses

African American History

An elective course that examines the history and culture of Africa and the African-American experience in an interdisciplinary format, including an analysis of the unique historical, cultural and social developments from Earth's earliest civilizations to the present day. The course will address the culture retained by Africans enslaved in the Americas. Critical thinking, reading, writing, and oral presentation skills are emphasized. (SST448)

Length of Course: Semester 1 or 2

Grade Level: 10, 11, 12

Prerequisite: none

GR: Social Studies elective

NCAA approved

Cultural Studies of Gender

This one semester course considers the emerging and changing rolls of men and women in global societies. Students will investigate socialization and enculturation methods and explore the roles of men and women in family and society. The course takes a multicultural perspective on gender roles and considers both historical and present day perceptions. The student will actively consider explanations, alternatives, and potential solutions to gender circumstances they encounter. (SST464)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Social Studies elective

NCAA approved

Global Studies of Genocide

This semester-long course will study and analyze genocides from a comparative, sociological perspective. Students will apply relevant theories and concepts to many facets of genocide. Emphasis will be placed on social and cultural forces that lead to genocide, including stereotyping, discrimination, antisemitism, institutional changes, and social/political indifference.

This course offers students insight into what sociologically creates conditions where people condone or even partake in the type of behavior that leads to genocide. By studying the Global Studies of Genocide, students deepen their understanding of human nature, organized society, political leadership, democratic participation, and civilization. The following genocides will be discussed during the semester: Herero and Namaqua, Armenian Genocide, The Holodomor, The Holocaust, Cambodian Genocide, Rwandan Genocide, and Darfur. Additional genocides from the past and present will also be discussed. (SST465)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Social Studies elective

NCAA approved

Michigan History

This class will attempt to educate interested learners about their home state and, if successful, will help students develop an appreciation of Michigan's historic value, natural beauty and current significance. Beginning with the land itself, the course will examine various time periods and issues and their impact on life in Michigan today. In doing so, a variety of hands-on experiences will be utilized which may take place both in and out of the classroom setting. (SST446)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Social Studies elective

NCAA approved

Peer Mentorship W.E.B.

Peer Mentorship W.E.B. (Where Everyone Belongs) provides an opportunity to foster a positive environment for West Bloomfield High School students. This course concentrates on leadership training for peer mentoring practices. Students help 9th graders academically, socially, and emotionally as they transition to high school life. Mentors meet frequently with community leaders to share experiences and acquire new skills. The focus of this course is preparing our students to be their best in and for the world. In addition to daily class work, there are mandatory assignments that will take place outside of class that revolve around freshman related activities. Students must apply to this course by early February for consideration. Students selected as mentors have shown exceptional leadership and dedication to their community and to their school. (SST470)

Semester: 1

Grade Level: 11, 12

Prerequisite: Application

GR: Social Studies elective

Professional Apprenticeship

Professional Apprenticeship is a community initiative designed to give students an experiential, authentic learning experience in the field of civic participation. This year long course affords students two, semester long internships in the public service field. This class aspires to instill a value of public service, awareness of diversity, and to broaden students' understanding of the government, legal, and educational process. This course gives students a first-hand glimpse of the challenges and rewards that a career in education, government, or law has to offer. This course fosters the development of strong communication, and trains students in government practices, professionalism and other skill sets. In addition to classroom lessons, students will be expected to attend their placements for a minimum of 3 hours a week throughout the school year and will be monitored by a classroom teacher. This opportunity is open to students who demonstrate strong leadership capacity and have successfully completed an Advanced Placement course in social studies. Students must apply for this course by late January for consideration. (SST168/SST268)

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Application

GR: Social Studies elective

Positive Psychology

Positive Psychology is a semester-long course that explores the past, present, and future of positive psychology. Positive interventions are one of the building blocks for the application of positive psychology in our day-to-day lives. We will examine positive interventions through theory, research and practice. Several types of resilience interventions are explored including cognitive strategies to manage anxiety and increase positive emotions. Students will analyze evidence-based strategies in the following areas: happiness, well-being, grit, resilience, growth mindsets, character strengths, mindfulness, and hope and gratitude. Students explore the concepts, the research behind the concepts, cognitions, and practices that enhance well-being. (SOC04255)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: Social Studies elective

NCAA approved

Psychology

This course is an introduction to the study of human behavior. It probes both normal and abnormal behavior, studies different approaches to therapy and analyzes recent investigations and experiments in the field of psychology. (SST458)

Length of Course: Semester 1 or Semester 2

Grade Level: 10, 11, 12

Prerequisite: None

GR: Social Studies elective

NCAA approved

Student Leadership

This class is offered to all students. Students who wish to be in Student Leadership must fill out an application and obtain teacher recommendations. The goal of Student Leadership is to develop leadership skills and provide students opportunities to put their skills to use in real life situations. Students work on a variety of projects that they propose, plan, execute and evaluate throughout the semester. Students will learn to become effective leaders by developing skills in public speaking, problem solving, goal setting, record keeping, decision making, written communication, committee work, organization, time management, inter and intra-personal management, and citizenship development. (SST467)

Length of Course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Application

GR: Social Studies elective

Advanced Placement African American Studies

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. (SOC04107S1/SOC04107S2)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Teacher Recommendation

GR: Social Studies elective

NCAA TBD

Advanced Placement European History

WEIGHTED. The AP European History course is an intensive, university level European History survey course designed for **academically motivated, self-directed student**. AP European History develops an understanding of main themes in modern European history, including political and diplomatic, intellectual and cultural, social and economic history. Analyzing historical evidence and reading critical literary narratives is integrated into the chronological order. This course's conception is the renaissance and concludes with the demise of communism in Eastern Europe, reunification of Germany, and the crisis of global terrorism. (SST109/SST209)

This course is offered only in even number years.

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Teacher Recommendation

GR: Social Studies elective

NCAA approved

Advanced Placement Macro-Economics

WEIGHTED. This one-semester course is designed to teach students the economic reasoning practices needed to interpret the economy as a whole. Aggregate supply, aggregate demand, inflation, unemployment, fiscal policy, and monetary policy are some of the topics covered. International economics and global trade are used to enforce the current global economy. This course is designed to prepare students to participate in the Advanced Placement Macro-Economics exam offered in May. (SST472)

NOTE: Successful completion of AP Micro/Macro fulfills the Economics graduation requirements

Recommended Related Course for Business Internship

Students are eligible for DECA

Length of Course: Semester 1

Grade Level: 10, 11, 12

Prerequisite: none

GR: Economics with AP Micro-Economics

NCAA approved

Advanced Placement Micro-Economics

WEIGHTED. This one-semester course is designed to teach students the economic reasoning practices needed to interpret the economy within a particular industry or specific market. Competition, production and productivity, elastic and inelastic goods, profit maximizing, and taxation are some of the topics covered. Global trading and outsourcing are discussed as a current marketplace trend. This class is designed to prepare students to participate in the Advanced Placement Micro-Economics exam offered in May. (SST473)

NOTE: Successful completion of AP Micro/Macro fulfills the Economics graduation requirements

Recommended Related Course for Business Internship.

Students are eligible for DECA.

Length of Course: Semester 2

Grade Level: 10, 11, 12

Prerequisite: none

GR: Economics with AP Macro-Economics

NCAA approved

Advanced Placement Psychology

WEIGHTED. Advanced Placement Psychology is an intensive course designed for the highly motivated student who wishes to explore the scientific study of behavior and mental processes in humans, and other animals. Major units of study include history, methods, and approaches; biological bases of behavior; sensation and perception; states of consciousness; learning; cognition; intelligence and testing; motivation and emotion; developmental psychology; personality; abnormal psychology and treatment; and social psychology. Special emphasis will be placed on the study of psychology as a science, including research methods, statistics, testing, and ethics. Students will be assessed through formal papers, exams, research projects, readings, and other written assessments. The rigorous nature of the class requires students to utilize higher-level critical thinking skills including the ability to grasp abstract concepts and apply these concepts to the world around them. AP Psychology is a year-long course that prepares students to take the Advanced Placement Psychology Exam offered in May. (SST159/SST259)

Length of Course: Full Year

Grade Level: 12

Prerequisite: Teacher Recommendation

GR: Social Studies elective

NCAA approved

World Language Department

Core Curriculum

WBHS requires 1 World Language credit (of the same language) to graduate

The World Language Department offers the student the opportunity to take up to five years of a language. Students may elect French or Spanish.

Certain highly selective universities strongly recommend four years of study. Four years of a world language in high school are an approximate equivalent to two years of a college language course. All 5th year language courses are **WEIGHTED**. Preparation for the Advanced Placement exam in French, and Spanish occurs at this level.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
American Sign Language 1	X	X	X	X
American Sign Language 2		X	X	X
French 1	X	X	X	X
Spanish 1	X	X	X	X
French 2		X	X	X
Spanish 2	X	X	X	X
French 3			X	X
Spanish 3		X	X	X
French 4			X	X
Spanish 4			X	X
Spanish Language & Culture*		X	X	X
AP French Language & Culture*				X
AP Spanish Language & Culture*				X

Prerequisites are listed under the course description

*Teacher recommendation required

World Language Course Description

American Sign Language 1

This is a basic course in manual communications. The class concentrates on an introduction to American Sign Language (ASL) as used by the Deaf community in the United States. Students analyze structure, compare cultural values, and explore physiological aspects of deafness. The course of study will focus on dialogues that strengthen personal interaction skills. ASL is the third most used language in the United States. We will explore the vast job opportunities that are available with a college major or minor in ASL. (WRL24852A/WRL24852B)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: World Language

NCAA approved

American Sign Language 2

The second year of American Sign Language (ASL) course continues the development of linguistic proficiency and cultural awareness begun in the first year of ASL study. Introducing new vocabulary and more complex grammatical structures will increase comprehension. Students continue to build their vocabulary, analyze linguistic structure, and increase their understanding of the cultural dynamics taking place in the Deaf community. This will allow students to express themselves in a wider variety of situations and with a greater degree of accuracy. (WLR24853A/WRL24853B)

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: American Sign Language 1

GR: World Language

NCAA approved

French 1 (GLB321)

Spanish 1 (GLB371)

Level 1 is an introduction to basic grammar structure, pronunciation, practical vocabulary, culture and listening comprehension. Reading and writing of short passages are part of the instruction. Speaking in the target language is an important part of the course.

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: None

GR: World Language

NCAA approved

French 2 (GLB322)

Spanish 2 (GLB372)

Level 2 continues to build on skills introduced at the first level. Increased emphasis on oral proficiency, cultural activities, skits, guided composition and longer reading selections are an integral part of instruction.

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Level 1

GR: World Language

NCAA approved

French 3 (GLB323)

Spanish 3 (GLB373)

Level 3 reinforces creative use of grammatical structures, speaking, listening and writing. At this level, there is focused emphasis on speaking in the target language. Supplemental literature is introduced via multimedia resources to enhance cultural understanding and to stimulate discussion.

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Level 2

GR: World Language

NCAA approved

French 4 (GLB324)

Spanish 4 (GLB374)

Level 4 allows for completion, reinforcement and internalization of grammar. Vocabulary is expanded through supplemental readings and multimedia resources. The primary focus is on conversation and composition. Cultural instruction continues throughout this level.

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Level 3

GR: World Language

NCAA approved

Spanish Language and Culture (GLB177/GLB277)

This course is designed for students who wish to study the Spanish language and explore Hispanic cultures, but do not intend to further their studies in the language. This course will emphasize vocabulary acquisition and basic grammar as a means of everyday conversation and communication. Additionally, students will "tour" the Spanish-speaking world, learning about its geography, history and cultures.

Length of Course: Full Year

Grade Level: 10, 11, 12

Prerequisite: Teacher recommendation

GR: World Language

NCAA approved

Advanced Placement French Language and Culture (GLB326)

Advanced Placement Spanish Language and Culture (GLB376)

WEIGHTED. Level 5 is designed for the advanced student of World Languages. This course integrates reading, writing, listening and speaking at an accelerated level requiring students to communicate and comprehend entirely in the target language. Reading selections chosen will enhance the student's appreciation of the literature and culture of the World Language. This course is helpful for students preparing to take university placement exams and/or advanced placement exams.

Length of Course: Full Year

Grade Level: 11, 12

Prerequisite: Level 4; Teacher recommendation

GR: World Language

NCAA approved

Unique Course Offerings

The **Unique Course Offerings** are a full continuum of courses designed to help each student achieve academic success and enhance the educational experience regardless of individual learning challenges. Support courses at WBHS include special education and general education courses.

Dual Enrollment

Dual Enrollment (PA 160 or 1996) is an option designed to allow students to take courses at the college level on a college campus. This program is intended to provide opportunities to students who exceed the WBHS offerings. Interested students are encouraged to speak with their counselor early, as specific eligibility requirements apply. Deadline for application for the first semester is May 1, and second semester, December 1.

A student may be denied from taking future dual enrolled courses if they do not receive credit for courses taken in a previous semester. A student that does not receive college credit for a course under the Dual Enrollment legislature (PA 160 or 1996) is required to repay the school district any funds that were expended for the course that were not already refunded by the eligible postsecondary institution. If the student does not repay the funds as described in [MCL 388.514], the district may impose sanctions as determined by school policy. (SPT110/SPT210)

Length of Course: Semester 1 or Semester 2

Grade Level: 11, 12

Prerequisite: Administrator Pre-Approval Required. Specific State requirements must be met

GR: None

Community Service Credit

Students may earn Community Service Credit by performing service as a non-paid volunteer experience at a local approved agency or organization. Students interested in this opportunity must make necessary pre-arrangements with an Administrator, Counselor and Community Service Coordinator for approval of the agency or organization. To earn one-half (1/2) credit, students must complete one hundred (100) hours of service. A maximum of one (1) full credit may be earned in Community Service during the high school experience. (CMS101; CMS201)

Length of Course: Semester 1 or Semester 2

Grade Level: 9, 10, 11, 12

Prerequisite: Administrator Pre-Approval Required

GR: None

General Education Course (SPRINT)

The General Education Support Course (SPRINT) is available to the student population with approval of the Multi-Tiered System of Support Team (MTSS). The MTSS committee is a team of educators including the counselor, psychologist, social worker, and teachers. Referrals to MTSS are made through the counselor and may be initiated by a student, parent or concerned teacher. This course provides academic and organizational interventions for students who need to improve their performance. Requirements include the use of a daily agenda, student initiated PowerSchool reports, reading enrichment activities, problem-solving strategies, and assistance with class assignments. Students will have opportunities to work with Khan Academy to improve reading and math skills for SAT/ACT prep. (SEC320)

Length of Course: Semester 1 or Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Teacher or Counselor Recommendation

GR: None

LINK Student

A **LINK** or **Peer to Peer Support** student assists a WBHS student with special needs in his/her general education or special education class. LINK is an evidence-based practice that improves social, independence, and/or academic skills for students with disabilities. Participating in the LINK program will help students develop an understanding of individuals with disabilities and will strengthen mentoring and leadership skills. LINK will be particularly interesting to students wanting to explore or pursue a career in social work, teaching, or psychology but is a great experience for all! Training **will be** provided by a school social worker/LINK teacher **as needed throughout the semester**. To become a LINK, a student should speak to their counselor **to see if this is a good fit for you**. (CMS402)

Length of Course: Semester 1, Semester 2 or Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Counselor approval, positive attendance

Coordinator/LINKS Teacher.

GR: None

MVU (Michigan Virtual University)

Virtual courses may be selected from Michigan Virtual University, course catalog, or pupils may select courses from the statewide virtual course catalog ([Michigan Virtual University](#)).

Special Education Courses

Students identified by an Individualized Education Program Team (IEPT) will be placed in the appropriate Special Education courses when their needs cannot be met within the general education curriculum. These courses are designated as Resource Room (RR) courses offered in reading, English, math, social studies, learning strategies, and career exploration.

English Language Development

ELD English 1, 2, Learning Strategies

This is a year-long course designed to support English language development. Students will communicate about a range of topics through listening, speaking, reading, and writing activities that target high-level thinking with appropriate support. Students are provided interactive and collaborative opportunities to express their own ideas as well as to question, interpret and evaluate the ideas of others. Units are aligned with the WIDA ELD Standards and the 9-12 English Language Arts Common Core State Standards. (ESL300)

Length of Course: Full Year

Grade Level: 9, 10, 11, 12

Prerequisite: Language Assessment and Teacher Recommendation

GR: Elective

E-Link

Students enrolled in E-link will assist a WBHS English learner with language and content area support and serve as a mentor to the English learner. E-Link follows an evidence-based practice that improves reading, writing, speaking, listening, and social and/or academic skills for EL students. It also provides leadership skills and mentorship experiences for the student enrolled in the class.

Participating in the E-LINK program will help students

- develop a cultural understanding of individuals who have just immigrated to the U.S and advocate for minority population
- grow their skills in translation or working with students whose native language is other than English.
- develop in leadership and mentorship skills
- become advocates for those who are new to the school by helping them understand the American cultural norms

E-link will be particularly interesting to students wanting to explore or pursue a career in foreign relations, translation, cultural advising, and teaching.

Training will be provided by an ELD Teacher/ELD Coach as needed throughout the semester. (CMS22104A/CMS22104B)

Length of Course: Semester 1, Semester 2 or Full Year

Grade Level: 11, 12

Prerequisite: Counselor approval, Application

GR: Elective

Oakland Schools Technical Center (OSTC)

Courses are open to 11th and 12th grade students. Students are assigned to OSTC by their home school counselors during Spring registration for fall courses. Students spend two and one half (2.5 hours) per day, five days per week, at the Center. Travel time is an additional 30 minutes. The other portion of the day is spent in the home high school. Due to the division of time between schools, some instruction time is missed at WBHS. Students are responsible for all assignments given during missed instruction time.

Attendance at Oakland Schools Technical Center is critical. OSTC bases 30% of a student's grade on attendance. A number of vocational and technical programs are offered. **WBHS does not participate in the full day OSTC program.** Students requesting an exception to this policy must get written Administration approval by May 1 of their Junior year.

OSTC P.M. Session runs from 11:20 a.m.—1:50 p.m.

More information is available at www.ostconline.com

Career Pathways:

- Arts and Communication
 - Graphic and Communication Design
- Business, Management, Marketing and Technology
 - Cybersecurity Networking
 - Computer Programming
 - Entrepreneurship & Advanced Marketing
- Engineering/Manufacturing and Industrial Technology
 - Automotive Technology
 - Collision Repair and Refinishing
 - Construction Technology
 - Engineering Robotics & Mechatronics
 - Welding
 - Medium/Heavy Truck and Equipment
- Health Sciences
- Human Service
 - Cosmetology
 - Culinary Arts/Hospitality
- Natural Resources
 - Agriscience and Environmental Technologies



The Board of Education does not discriminate on the basis of race, color, national origin, sex (including sexual orientation and transgender identity), disability, age, religion, height, weight, marital or family status, military status, ancestry, genetic information or any other legally protected category, (collectively, "Protected Classes"), in its programs and activities, including employment opportunities. In addition, arrangements can be made to ensure that the lack of English language proficiency is not a barrier to admission or participation. The following are designees to handle inquiries regarding the nondiscrimination policy:

Educating Students to be their Best
IN and FOR the World.



West Bloomfield High School

4925 Orchard Lake Road
West Bloomfield, MI 48323

Phone: 248-865-6720
Fax: 248-865-6756