

West Bloomfield High School

2020—2021

Pathways to Success

Course Description Guide



This book is a guide to West Bloomfield High School's course information. Supplements to this guide are updated annually via our website:

www.wbsd.org



Course Description Guide

Administrators

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Mrs. Ashleigh Larkin, Assistant Principal
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Mr. John Hepper	Tf - Z

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:

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West Bloomfield High School

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.

NCAA Clearinghouse



The NCAA icon represents those high school courses that have been approved by the NCAA Clearinghouse to meet eligibility requirements for any student wishing to participate in athletics at either an NCAA Division I or Division II member institution. Please go to www.ncaaclearinghouse.net or consult with your guidance counselor for more information.

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.

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.

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.
(18.5 required + 6.5 enrichment = 25.00 credits)

Courses	Credits	Course	Credits
English (4 credits total) 2021 and beyond		Science (3 credits total) 2021	
English 9	1 credit	Biology	1 credit
American Literature	1 credit	Chemistry	1 credit
World Literature, or Honors World Literature, or Advanced Placement English Language and Composition, or Multicultural Literature	1 credit	Physics	1 credit
Elective	1 credit	Science (3 credits total) 2022 and beyond	
		2 credits in core science courses of Biology, Integrated Physical Science, Earth Science, Honors Chemistry, or Honors Physics	2 credits
		Science Elective	1 credit
Mathematics (4 credits)		Social Studies (3 credits)	
Algebra 1	1 credit	Civics, Law and Economics	1 credit
Geometry	1 credit	United States History	1 credit
Algebra 2	1 credit	World History	1 credit
Senior Year Math or Math Based	1 credit		
Health Education (0.5 credit total)		Physical Education (0.5 credit total)	
Visual, Fine, Performing and Applied Arts (1 credit total)			
World Language (1 credit of the same language)		Elective Courses (7 credits)	
One additional credit comprised of Option A, B, or C.			
Option A: 1 additional credit of the same World Language. {Required by many colleges.}			
Option B: 1 additional credit Visual, Fine, Performing and Applied Arts credit.			
Option C: 1 credit school-approved formal Career and Technical Education (CTE) credit.			

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.



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:

1. Two AP Exams from two different languages selected from English and/or world languages;
2. One AP Exam designated as offering a global perspective: World History, Human Geography, and Government and Politics: Comparative
3. One AP Exam from the sciences or mathematics content areas;
4. 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.

Table of Contents

Course Title	Page	Course Title	Page
Art Department		Computer Programming Courses	
3D Foundations	13	Beginning Programming	23
Art Foundations	13	Intermediate Programming	23
Beginning Drawing	13	Video Game Design	23
Ceramics	13	AP Computer Science	23
Jewelry/Metal Arts	13		
Photography	14	English Department	
Advanced Ceramics	14	English Literature 9	25
Advanced Jewelry/Metal Arts	14	American Literature	25
Advanced Drawing	14	American Dream: Literature	25
Advanced Photography	15	Honors American Literature	26
AP Studio Art 2-D Design	15	World Literature	26
AP Studio Art 3-D Design	15	Honors World Literature	26
Innovation Learning	16	Multicultural Literature	27
Innovation Lab	16	AP English Literature and Composition	27
		College Essay Writing	27
Business Education Department		Creative Writing	28
Accounting	18	Debate 1	28
Fashion Merchandising 1	18	Debate 2	28
Fashion Merchandising 2	18	Drama 1	28
Growing Your Business w/ Technology 1	18	Drama 2	29
Growing Your Business w/ Technology 2	19	English Literature	29
Personal Finance	19	Mythology	29
Marketing	20	Points of View in Literature 1 & 2	30
Advanced Marketing	20	Writing for Publication	30
Sports & Entertainment Marketing	21	Yearbook	31
Digital Computing	21	Contemporary Young Adult Literature	31
Business Internship / Co-Op	21	AP English Language and Composition	31
AP Macro-Economics	22	Digital Media Arts	32
AP Micro-Economics	22	Screenwriting	32
Foods Preparation 1	22	Multimedia Production	33
Foods Preparation 2	22	Video Field Production	33

Table of Contents, continued

Course Title	Page	Course Title	Page
Industry and Technology Department		Music Department	
PLTW: Introduction to Engineering Design (year 1)	35	Concert Band	47
Engineering 2: Academy	35	Symphony Band	47
Engineering 3: Academy	35	Wind Symphony	48
Engineering 4: Academy	35	Concert String Orchestra	48
PLTW: Introduction to Engineering Design (year 1)	36	Symphonic Orchestra	48
Engineering 2	36	Chorale	49
Engineering 3	36	Concert Choir	49
Architecture 1	37	Chamber Choir	49
Architecture 2	37	Laker Express	50
Architecture 3	37	AP Music Theory	50
Architecture 4	37		
Engineering and Computer Aided Design 1	39	Oakland Schools Technical Center	51
Engineering and Computer Aided Design 2	39		
Engineering and Computer Aided Design 3 / 4	39	Physical Education and Health	
Mathematics Department		Personal Health Education	52
Algebra 1	43	Physical Education 1	52
Geometry	43	Aerobics	52
Algebra 2	43	Physical Education 2	52
Precalculus	43	Pilates and Yoga	53
Honors Geometry	44	Sports Specific Advanced Conditioning	53
Honors Algebra 2	44	Weight Training and Conditioning	53
Honors Precalculus	44		
AP Calculus AB	45		
AP Calculus BC	45		
AP Statistics	45		
Algebra 2A	46		
Algebra 2B	46		
Algebra Formal Topics	46		



Table of Contents, continued

Course Title	Page	Course Title	Page
Science Department		Social Studies Department (cont.)	
Biology	55	Student Leadership	66
Human Biology	55	AP European History	66
Medical Skills & Innovation	55	AP Psychology	66
AP Biology	55	AP Macro-Economics 1	67
Integrated Physical Science	56	AP Micro-Economics 2	67
Honors Chemistry	56		
AP Chemistry	56	Support Services Department	68
Honors Physics	57		
AP Physics 1	57	World Languages and ELL Department	
AP Physics C	57	French 1	69
Astrophysics	58	Spanish 1	69
Earth Science 1 & 2	58	French 2	69
AP Environmental Science	59	Spanish 2	69
Science PBL: Investigation & Design	59	French 3	70
Medical Mentorship	59	Spanish 3	70
		French 4	70
Social Studies Department		Spanish 4	70
Civics	61	AP French 5	70
Economics	61	AP Spanish 5	70
AP U.S. Government and Politics	61		
United States History	62	English as a Second Language 1, 2, 3	71
American Dream: US History	62		
AP United States History	62	Enrichment Course Offerings	
World History	63	Dual Enrollment	71
AP World History	63	LINK Student	71
Cultural Studies of Gender	64	Community Service Credit	72
Global Studies of Genocide	64		
Michigan History	64	Career and Technical Education	73
PEER Mentorship W.E.B.	65		
Professional Apprenticeship	65		
Psychology	65		
www.wbsd.org			

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

Art Department

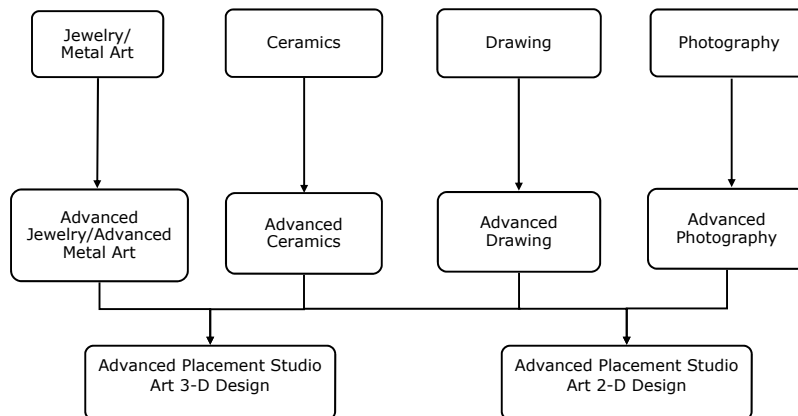
Art Foundations or 3D Foundations are entry level courses. Students may take both if they desire. Two classes or one credit of Fine Arts is a necessary graduation requirement which art classes fulfill.

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

3D Foundations

Art Foundations

Art Foundations and 3D Foundations 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.



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.



Innovation Learning
&
Innovation Lab



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]



Semester: 1 or 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]

Semester: 1 or 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]



Semester: 1 or 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]

Semester: 1 or 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)



Semester: 1 or 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 \$250 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.

Semester: 1 or 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)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Ceramics
GR: Fine Arts

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



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)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Jewelry / Metal Arts
GR: Fine Arts

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

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)

Semester 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Drawing
GR: Fine Arts

This course may be repeated with instructor permission.



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 \$250 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.

Semester 1 or 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. (ART300)

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



Semester Yr
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. (ART330)

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

Semester Yr
Grade Level: 11, 12
Prerequisite:
Recommendation of
Instructor
GR: Fine Arts

Innovation Learning / Innovation Lab

Innovation Learning / Innovation Lab is a year-long class unlike any other offered at WBHS. It is an opportunity for real 21st century learning. The first semester, Innovation Learning, teaches students about the various types of innovation, while building the skills of an innovator. (See www.creatinginnovators.com and <http://dschool.stanford.edu/>) The course is influenced by the "D school" at Stanford University.

The second semester, Innovation Lab, is an amazing experience developing a personal innovative project. Students will be challenged and guided through the innovation process in order to bring a "new to the world" idea to life. Students in Innovation Lab are encouraged to use Open IEDO to solve real world design problems. (ART420/ART421)

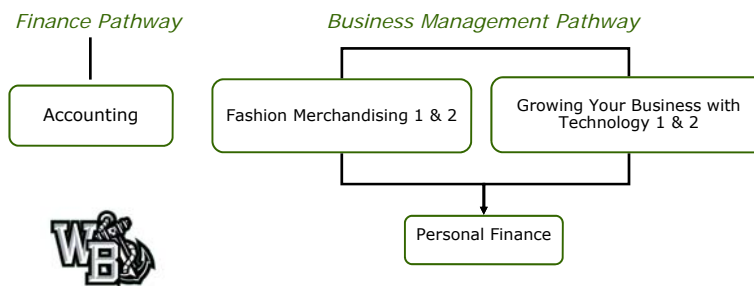
Semester: 1 and 2
Grade Level: 11, 12
Prerequisite: None for Innovation Learning. Innovation Learning for Innovation Lab.
GR: Fine Arts

Business Education Department

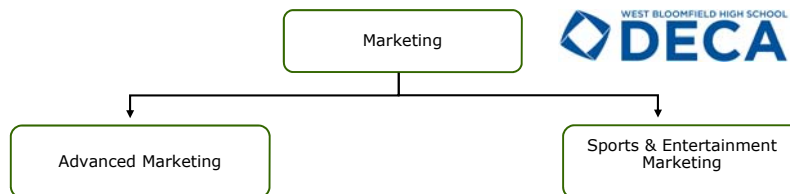
The West Bloomfield High School Business Department offers introductory and advanced studies in business to students interested in a Business Major or as a preparation for entering the world of work upon graduation.

Business Courses are grouped into three major completer programs:

Business and Service Technology Program

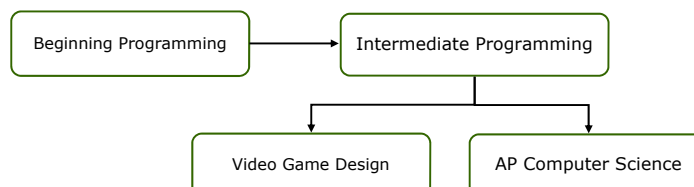


Marketing Education Program



Business Related Program		
Digital Computing	Advanced Placement Macro-Economics 1	Foods Preparation 1
Business Internship	Advanced Placement Micro-Economics 2	Foods Preparation 2

Computer Programming



Business and Service Technology

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. (BUS340)

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: None
GR: Senior year math based

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

Fashion Merchandising 1

This course introduces students to the components of fashion and its history. Students will work on a variety of projects in this course demonstrating their knowledge on topics including fashion leaders, fashion designers, fashion movements, and the design line process. Students may participate in DECA. (BUS455)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: Fine Arts

Recommended Related Course for Internship.

Fashion Merchandising 2

This one-semester course will focus on the retail aspect of the fashion business. Topics will include the fashion business, fashion centers, products, distribution, pricing, and technology. Students will work on a variety of projects in this course demonstrating their understanding of the material presented. Students will work on committees to organize and produce a fashion show. Student may participate in DECA. (BUS456)

Semester: 2
Grade Level: 9, 10, 11, 12
Prerequisite: Grade of "C" or better Fashion Merchandising 1
GR: Fine Arts

Recommended Related Course for Internship.

Growing Your Business 1 (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. (BUS424A)

Semester: 1
Grade Level: 10, 11, 12
Prerequisite: None
GR: None

Students are eligible for DECA.

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

Growing Your Business 2 (Entrepreneurship)

This course provides 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. (BUS425)

Semester: 2
Grade Level: 9, 10, 11, 12
Prerequisite: Grade of "C" or
better in Growing Your Business 1
GR: None

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

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)

Semester: 1 or 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. Students must have "C" or better in first semester to take second semester. (BUS343) *Recommended Related Course for Internship.*

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

Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: Fine Arts; Senior year
math based

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

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. Students must have "C" or better in first semester to take second semester. (BUS362)

Semester: Yr
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. In addition, students will have an opportunity to demonstrate their knowledge of the field by participating in DECA and organizing and facilitating a spring carnival. Students must have "C" or better in first semester to take second semester. (BUS375)

*Recommended Related Course for
Internship.*



Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or
higher in Marketing
GR: Fine Arts; Senior year math
based

Business Related

Digital Computing

Digital Computing is designed to mimic Computer Information Technology careers in industry. The course is modular and allows students to complete modules based on individual computing level. The modules range from basic software and hardware concepts up to implementing networking solutions. The course is designed with use support in mind. Students will learn customer support skills while running the school's student technology support team. (BUS402)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: None

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. (BUS396; BUS397)

Semester: 1, 2 or Yr
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

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)

Semester: 1
Grade Level: 10, 11, 12
Prerequisite: None
GR: Economics with AP Micro-Economics

NOTE: Credit for both AP Micro and AP Macro must be earned to fulfill the graduation requirement. Micro and Macro Economics classes may be taken in any sequence. College credits may be available.

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 course is designed to prepare students to participate in the Advanced Placement Micro-Economics exam offered in May. (SST473)

Semester: 2
Grade Level: 10, 11, 12
Prerequisite: None
GR: Economics with AP Macro-Economics

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)

Semester: 1 or 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 various cultures and their specific cooking techniques. It includes research into the unique aspects of these cuisines and culminates in the preparation of dishes specific to each unit of study. (BUS422)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Foods Preparation 1
GR: Fine Arts



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)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: Senior year math based

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)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: Grade of "C" or better in Beginning Programming
GR: Senior year math based

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)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or better in Beginning & Intermediate Programming
GR: Senior year math based; Fine Arts

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. (BUS330)

Semester: Yr
Grade Level: 11, 12
Prerequisite: Grade of "C" or better in Beginning & Intermediate Programming
GR: Senior year math based

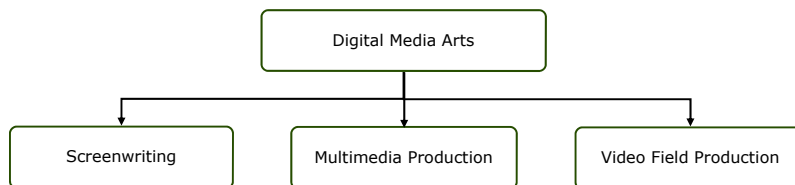
English Department Core Curriculum

Summer homework may be required for most English courses.

Required Courses	
9th Grade:	English Literature 9
10th Grade:	American Literature, American Dream: Literature or Honors American Literature
11th Grade:	World Literature, or Honors World Literature, or Multicultural Literature, or AP English Language and Composition.
12th Grade:	See electives below.

Electives				
These electives may be chosen at any time as additions to the Core Curriculum.				
Course Name	Grade 9	Grade 10	Grade 11	Grade 12
College Essay Writing			•	•
Creative Writing				•
Debate	•	•	•	•
Drama	•	•	•	•
English Literature			•	•
Multicultural Literature			•	
Digital Media Arts	•	•	•	•
Multimedia Production		•	•	•
Mythology				•
Points of View 1 and 2			•	•
Writing for Publication	•	•	•	•
Yearbook		•	•	•
Contemporary Young Adult Literature				•
AP English Language and Composition		•	•	
AP English Literature and Composition				•

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 journalism. College credit can be obtained for taking these courses. Contact your counselor for further details.



www.wbsd.org

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. (ENG318)

Semester: Yr
Grade Level: 9
Prerequisite: None
GR: English 9

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. (ENG300)

Semester: Yr
Grade Level: 10
Prerequisite: English 9
GR: English 10



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)

Semester: Yr
Grade Level: 10
Prerequisite: English 9
GR: English 10

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 Hurston, Twain, and Fitzgerald, as well as poetry, plays, short stories, and non-fiction works by other renowned American authors. Attention will be given to preparation for the SAT, ACT, and state mandated testing. (ENG302)

Semester: Yr
Grade Level: 10
Prerequisite: "B" or higher in English 9. Recommendation of 9th grade English Teacher
GR: English 10

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. (ENG342)

Semester: Yr
Grade Level: 11
Prerequisite: American Literature
Literature
GR: English 11



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. (ENG348)

Semester: Yr
Grade Level: 11
Prerequisite: "B" or higher in American Literature and teacher recommendation
GR: English 11

Multicultural Literature

This course is a thematic approach to literature that covers people of various underrepresented cultural backgrounds. Students will read, discuss, and write about contemporary novels, short stories, essays, poetry, plays, and films by and about Americans of African, European, Latino, and Middle Eastern 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. Reading selections for this course may include Gaines' *A Lesson Before Dying*, Cisneros' *The House on Mango Street*, and Frank's *The Diary of Anne Frank*. This course is designed to promote tolerance and cultural awareness. (ENG144/244)

Semester: 1 Or 2
Grade Level: 11, 12
Prerequisite: None
GR: English 11, or
English elective

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. (ENG306)

Semester: Yr
Grade Level: 10, 11
Prerequisite: Teacher
Recommendation
GR: English 11, or
English elective

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))

Semester: 1 or 2
Grade Level: 11, 12
Prerequisite: None
GR: English elective

English Elective Courses—continued

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)

Semester: 1 or 2
Grade Level: 12
Prerequisite: None
GR: English elective

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)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: English elective; Fine Arts

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)

Semester: 1
Grade Level: 11, 12
Prerequisite: Debate Instructor recommendation, Current member of WBHS Debate Team or Debate 1
GR: English elective; Fine Arts

Drama 1

This course is designed to provide students with limited to no past experience with acting in theatre production. Throughout the course of the semester, students will work through a variety of exciting and challenging activities and games that serve to develop their performance skills as related to live theatre. Students will also engage in an wide array of activities that focus on developing their sense of imagination and creativity. The course is ideal for, and beneficial to, students who wish to sharpen their public speaking skills and confidence. (ENG415)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: English elective; Fine Arts

Drama 2

Drama 2 is designed to build upon many of the performance skills that students develop in the Drama 1 course. Secondly, the course offers students interested in technical theatre work the chance to bring a production to life from the initial design concepts to performances before audiences. Student designers create the sets, lighting and sound designs, costume and makeup designs, and create properties used in each production. For actors, the class is centered around the pre-production, rehearsal phase, and performance of 2-3 one-act plays that are staged in front of their peers during the school day. Students who seek to further develop and substantially boost their performance and/or theatre design skills should elect to take Drama 2. (ENG416)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Drama 1 or Teacher approval
GR: English elective; Fine Arts

English Literature

This course is a yearlong course. 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*. (ENG320)



Semester: Yr.
Grade Level: 11, 12
Prerequisite: "B" or better in other English courses
GR: English elective

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)

Semester: 1 or 2
Grade Level: 12
Prerequisite: None
GR: English elective

English Elective Courses—continued

Points of View in Literature 1 (ENG438)

Points of View in Literature 2 (ENG437)

This course might otherwise be called "Psychological Literature" since it emphasizes subjective reality and individualized experience. An emphasis is placed upon communicating the human condition through essays, speculative fiction, and other imaginative forms of literature. Students will be expected to practice critical thinking skills, to write essays, to create research-based projects, and to contribute to discussions on several concepts. Divergent sociological lenses including feminism, the military-industrial complex, gender identity, and socioeconomic struggles will be studied. Readings may include

Kesey's *One Flew Over the Cuckoo's Nest*,
Plath's *The Bell Jar*, Trumbo's *Johnny Got His Gun*, and Vonnegut's *Slaughterhouse Five*.
(ENG438 & ENG437)

Semester: 1 or 2
Grade Level: 11, 12
Prerequisite: "B" or better in
other English courses
GR: English elective

Writing for Publication

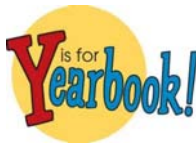
This course is designed to acquaint students with the basic techniques of writing including but not limited to newspaper writing, literary writing, personal essay writing and more. Students will practice interviewing, researching, organizing, editing, and developing final copy and headlines. Emphasis 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)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: English elective



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. (ENG349)



Semester: 1, 2 or Yr
Grade Level: 10, 11, 12
Prerequisite: Application &
Teacher Recommendation
Required for both semesters
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. (ENG150/250A)

Semester: 1 or 2
Grade Level: 12
Prerequisite: None
GR: English elective

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*. (ENG304)



Semester: Yr
Grade Level: 12
Prerequisite: One year of World
Literature or Honors World
Literature, Teacher
Recommendation, "88%" or better in
past English courses
GR: English elective

Video Technology & Arts English Electives

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 theatres, 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 for creative expression that this field offers. The final assessment for the course is a portfolio designed 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)

Semester: Yr
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)

Semester: 1 or 2
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 Spectrum, the student news magazine. 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, is 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. An application for Multimedia Production is required, along with teacher recommendations. Multimedia Production is a yearlong class and students are expected to register for both semesters. (ENG151A; ENG251A)



Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or
higher in Digital Media Arts;
Application; Teacher
Recommendation
GR: Fine Arts; English elective

Video Field Production

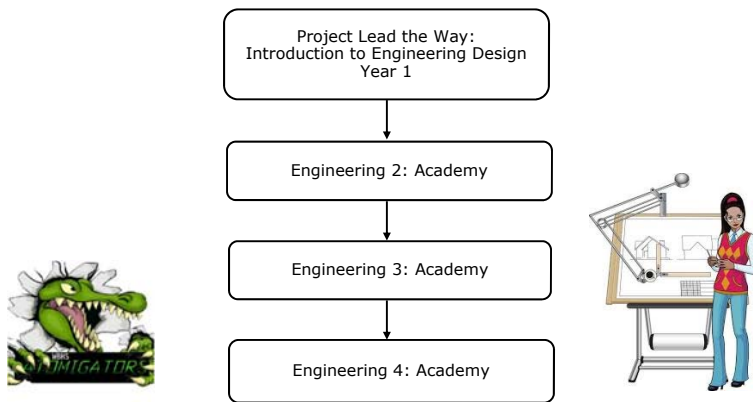
This is a culminating capstone course for qualified students desiring occupational competencies for subsequent full-time employment or as a background for college. Students will develop and perfect their skills in an instructor approved capstone experience. (ENG368)

Semester: 1 or 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

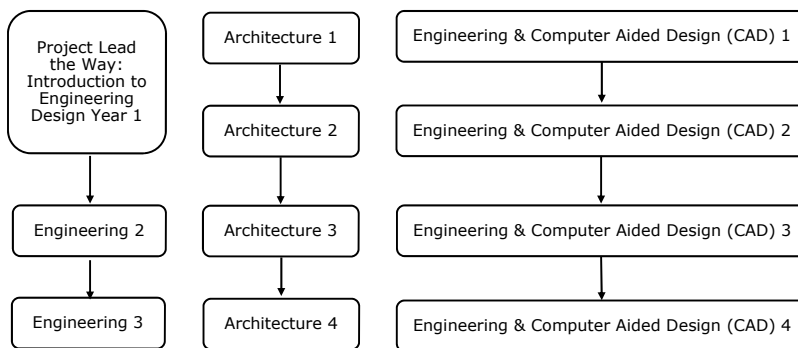


Industry and Technology Department

The **Engineering Academy** program is a four year engineering based program focusing on the inseparable influence and integration of STEAM. Students must take Algebra 1, Geometry, Integrated Physical Science in combination with PLTW, Engineering Academy courses 2, 3, 4 to be recommended for the internship. Only the Academy students are eligible for the internship. Admittance to the program is through an application process with instructor approval. Students taking Engineering Academy are also invited to enroll in CAD and/or Architecture 1 as their schedule permits. Students wishing to advance in the program will need to have passed the previous level with a grade of C or better, or instructor approval.



Another option open to students is the straight **Engineering/Architecture/CAD** program. Students must take Algebra 1, Geometry, Chemistry, and Physics in combination with Engineering 1 & 2. Additionally, students must take Engineering 3 class to gain the STEAM endorsement.





Project Lead the Way: Introduction to Engineering Design (Year 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)

Semester: Yr.
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. (INT310)

Semester: Yr
Grade Level: 10
Prerequisite: Grade of "C" or higher in Engineering 1: Academy
GR: 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. (INT320)

Semester: Yr
Grade Level: 11
Prerequisite: Grade of "C" or higher in Engineering 2: Academy & Instructor Approval
GR: 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. (INT330)

Semester: Yr
Grade Level: 12
Prerequisite: Grade of "C" or higher in Engineering 3: Academy & Instructor Approval
GR: Fine Arts



Project Lead the Way: Introduction to Engineering Design (Year 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)

Semester: Yr.
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: Senior year math based;
Fine Arts.

Engineering 2

Engineering 2 is a continuation of PLTW. Students continue to work through design and development of engineering products, specifically focusing on electrical and environmental engineering through project-based learning. Some typical projects are balsa wood bridges, micro-electric cars, and

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: Grade of "C" or
higher in Engineering 1
GR: Senior year math based;
Fine Arts

manufacturing factory design. Math and science concepts will be further explored through each segment of this course. (INT446)

Engineering 3

This course is an continuation of Engineering 2. 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 or AP Physics and

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or
higher in Engineering 2
GR: Fine Arts

Algebra 2. The skills that are learned in those classes will be incorporated into the projects in Engineering 3. (INT347)

Architecture 1

This course begins with the study of residential design through the construction of basic floor plans, elevations, site plans. Students will design a variety of rooms that are common in residential structures. They will learn and utilize mechanical drafting and CAD software as it relates to the architectural industry. Students will use three-dimensional drawings, renderings and models to present their designs and floor plan drawings to the teacher and/or class. Students will explore a variety of careers and entrepreneurial skills related to architectural and construction industries. (INT450)

Semester: 1 or 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 the structural design of a residential structure and why the various materials are used to build a house. Students will refine and apply skills and ideas they developed in Architecture 1 to produce architectural drawings. As part of the floor plan design, students will also learn basic interior design skills. Students will explore more advanced design topics and will begin to look at how sustainable design is achieved through more efficient use of materials. (INT452)

Semester: 1 or 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 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)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or higher in Architecture 2
GR: Senior year math based;
Fine Arts

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 topics. Students will also be introduced to light commercial design. 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 to their portfolio of course related materials and demonstrate deeper mastery of a course related topic to be chosen by the student and instructor. (INT454)



Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or higher in Architecture 3
GR: Senior year math based;
Fine Arts



Engineering and Computer Aided Design (CAD) 1

This course is an introductory CAD and engineering graphics communication course. Students will learn two-dimensional CAD techniques and methods using 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 orthographic and pictorial drawings of mechanical parts and components. Students will have many chances to build prototypes and models of their designs to apply their skills and knowledge to real-world problems and solutions. **Students taking this course should also sign up for CAD 2.** (INT424)

Semester: 1 or 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.

Engineering and Computer Aided Design (CAD) 2

This 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 (Autodesk Inventor). This will have students working both individually and in teams on a variety of projects both in the CAD lab and fabrication areas. Students will also learn to create product documentation and production materials such as Bill of Materials and manuals. (INT425)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: Grade of "C" or higher in Engineering and CAD 1
GR: Senior year math based;
Fine Arts.
Earn college credit at OCC for this course. Contact your counselor for details.

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

This course is 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 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)



Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: Grade of "C" or higher in Preceding Course
GR: Senior year math based;
Fine Arts.
Earn college credit at OCC for this course. Contact your counselor for details.



Mathematics Department

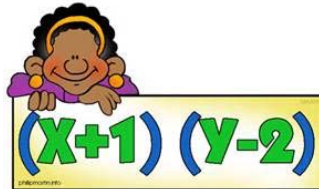
By State mandate, students are required to take four years of mathematics, including Algebra 1, Geometry and Algebra 2. This is a very ambitious expectation, and it will take significant effort by the student to achieve in these courses. Mathematics is by nature a sequential discipline where each advanced 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 homework may be required for math courses.



This table represents the most frequently followed traditional course pathways.

		9th Grade	10th Grade	11th Grade	12th Grade
Math	Accelerated*	Honors Geometry	Honors Algebra 2	Honors Precalculus	AP Statistics AP Calculus (AB or BC)
	Traditional	Algebra 1	Geometry	Algebra 2 Algebra 2A	Precalculus AP Statistics Algebra 2B Algebra Formal Topics

* 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.



Students are required to take a math course in their senior year.		
Elective Courses	Beginning Programing	Project Lead the Way (PLTW)
	Video Game Design	Engineering 2
	Intermediate Programming	Architecture 1 & 2
	Advance Placement Computer Science	Engineering CAD 1
	Accounting	Engineering CAD 2
	Personal Finance	Advanced Marketing
	Marketing	Sports & Entertainment Marketing

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.” (MTH331)

Semester: Yr
Grade Level: 9
Prerequisite: None
GR: Algebra 1

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. (MTH332)

Semester: Yr
Grade Level: 10
Prerequisite: Algebra 1
GR: Geometry

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. (MTH333)

Semester: Yr
Grade Level: 11
Prerequisite: Geometry
GR: Algebra 2

Precalculus

Precalculus is a classic Precalculus 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. (MTH334)

Semester: Yr
Grade Level: 12
Prerequisite: Algebra 2
GR: Senior year math based

Honors and Advanced Placement Math Courses

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. (MTH352)

Semester: Yr
Grade Level: 9, 10
Prerequisite: Honors 8th grade Mathematics or Algebra 1 w/ teacher recommendation
GR: Geometry



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. (MTH353)

Semester: Yr
Grade Level: 10, 11
Prerequisite: Honors Geometry
GR: Algebra 2

Honors Precalculus

Honors Precalculus is a classic Precalculus 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. (MTH354)

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: Honors Algebra 2
GR: Senior year math based

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. (MTH356)



Semester: Yr
Grade Level: 11, 12
Prerequisite: Precalculus,
Honors Precalculus and Teacher
Recommendation
GR: Senior year math based

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. (MTH357)



Semester: Yr
Grade Level: 11, 12
Prerequisite: Honors Precalculus
and Teacher Recommendation
GR: Senior year math based

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. (MTH345)



Semester: Yr
Grade Level: 12
Prerequisite: Teacher
Recommendation and Counselor
approval
GR: Senior year math based

Electives and Support Math Courses

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

Algebra 2A

Algebra 2A covers the first semester of Algebra 2 in two semesters. Eligibility for this course comes from teacher recommendation. (MTH313)

Semester: Yr
Grade Level: 11
Prerequisite: Geometry
GR: Algebra 2 when combined with Algebra 2B

$$\begin{aligned} &\text{Solutions of a Quadratic Equation} \\ &y = f(x) = ax^2 + bx + c = 0 \\ &\left\{ \begin{aligned} x_1 &= \frac{-b + \sqrt{b^2 - 4ac}}{2a} \\ x_2 &= \frac{-b - \sqrt{b^2 - 4ac}}{2a} \end{aligned} \right. \end{aligned}$$

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. (MTH314)

Semester: Yr
Grade Level: 12
Prerequisite: Algebra 2A or first semester of Algebra 2
GR: Algebra 2 when combined with Algebra 2A

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. (MTH341)

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

Semester: Yr
Grade Level: 11, 12
Prerequisite: None
GR: Senior year math based

Music Department

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.

Instrumental Music - Band

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. (MUS319)

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



Semester: 1, 2 or Yr.
Grade Level: 9
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. (MUS310)

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

Semester: 1, 2 or Yr.
Grade Level: 10, 11, 12
Prerequisite: Successful completion of Concert Band and instructor approval
GR: Fine Arts



Wind Symphony

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. (MUS308)

Semester: 1, 2 or Yr
Grade Level: 10, 11, 12
Prerequisite: Audition Only
GR: Fine Arts

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

Orchestra

Concert String 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. (MUS335)

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Previous experience playing a string instrument required.
GR: Fine Arts

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



Symphonic 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. (MUS307)

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Audition Only
GR: Fine Arts

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

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. (MUS318)



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

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: None
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. (MUS320)

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

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Males
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. (MUS321)

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

Semester: 1, 2 or Yr
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. (MUS330)

Semester: 1, 2 or Yr
Grade Level: 10, 11, 12
Prerequisite: Approval of
Instructor; Audition Required.
GR: Fine Arts

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

Music Theory

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. (MUS340)

Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Approval of
Instructor
GR: Fine Arts



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
 - Visual Imaging
- Business, Management, Marketing and Technology
 - Computer Networking - iTeam
 - Computer Programming - iTeam
 - Entrepreneurship & Advanced Marketing - iTeam
 - Web Development - iTeam
- Engineering/Manufacturing and Industrial Technology
 - Automotive Technology
 - Collision Repair and Refinishing
 - Construction Technology
 - Engineering and Emerging Technologies
 - * Machining
 - * Mechatronics
 - * Welding
 - Medium/Heavy Truck and Equipment
- Health Sciences
- Human Service
 - Cosmetology
 - Culinary Arts/Hospitality
- Natural Resources and Agriscience
 - Agriscience and Environmental Technologies

Physical Education and Health Department

9th Grade Courses

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)

Semester: 1 or 2
Grade Level: 9
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)

Semester: 1 or 2
Grade Level: 9, 10
Prerequisite: None
GR: Physical Education



10th through 12th Grade Courses

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)

Semester: 1 or 2
Grade Level: 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)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: None
GR: Physical Education

10th through 12th Grade Courses, continued

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)



Semester: 1 or 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 plyo-metrics, 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)



Semester: 1 and 2
Grade Level: 10, 11, 12
Prerequisite: Teacher Recommendation
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)




Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: None
GR: Physical Education

West Bloomfield High School

Science Department

	Required Courses 2021
9th Grade:	Biology
10th Grade:	Chemistry or Honors Chemistry
11th Grade:	Integrated Physical Science or Honors Physics

	Required Courses 2022 and beyond
9th Grade:	Biology
10th Grade:	Integrated Physical Science or Honors Chemistry
11th Grade:	Earth Science or Honors Physics

		Grade			
		9	10	11	12
					
Biology		R			
Integrated Physical Science			•		
Human Biology			•	•	•
Medical Skills & Innovation			•	•	•
Advanced Placement Biology	TR		•	•	•
Honors Chemistry	TR	•	•	•	•
Advanced Placement Chemistry	TR			•	•
Honors Physics	TR			•	•
Advanced Placement Physics 1	TR			•	•
Advanced Placement Physics "C"	TR			•	•
Astrophysics				•	•
Earth Science 1 & 2				•	•
Advanced Placement Environmental Science	TR			•	•
Science Capstone Course	TR				•
Medical Mentorship	TR				•

R - Required Course

TR - Teacher Recommendation Required



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. (SCI320)



Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: Biology

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. (SCI321)

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: Biology
GR: Science elective

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)

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: 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. (SCI325)

* May be taken concurrently with Honors Chemistry.

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: Biology, Chemistry and Teacher Recommendation
GR: Biology

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)

Semester: Yr
Grade Level: 10, 11, 12
Prerequisite: None
GR: Chemistry



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. (SCI334)

Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Teacher
Recommendation
GR: Chemistry

* May be taken concurrently with AP Biology.

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.

Semester: Yr
Grade Level: 11, 12
Prerequisite: Honors Chemistry
and Teacher Recommendation
GR: Chemistry; Senior year
math based

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. (SCI331)



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 necessary prerequisite for Advanced Placement Physics 1 or 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. (SCI335)

Semester: Yr
Grade Level: 11, 12
Prerequisite: Algebra 2 and
Teacher Recommendation
GR: Physics

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, simple harmonic motion, waves and circuits. 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> (SCI355)

Semester: Yr
Grade Level: 11, 12
Prerequisite: Honors Physics
and Teacher Recommendation
GR: Physics

Advanced Placement Physics "C"

WEIGHTED. This course is intended to provide an equivalent experience to a first year 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> (SCI353)

Semester: Yr
Grade Level: 11, 12
Prerequisite: Honors Physics
and Teacher Recommendation
GR: Physics

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)

Semester: 1 or 2
Grade Level: 11, 12
Prerequisite: None
GR: Science elective

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

Earth Science 1 & 2

This course provides students with a wide variety of earth science concepts, principles and experiences. Earth Science centers on the theme that we live on an ever-changing, dynamic planet. The main goal of the class is to discover how Earth undergoes these incredible changes through the use of various multimedia in the classroom with an emphasis on technology. Level 1 topics include: An Introduction to Earth Science; Earth's Place in Space; Mapping the Earth's Surface; the Structure, Composition, and History of the Earth. Plate Tectonics, Earthquakes, Volcanoes; Rocks and Minerals; and Weathering and Erosion. This course emphasizes the delicate balance between land, water, air, and space. (SCI303)

Semester: Yr
Grade Level: 11, 12
Prerequisite: None
GR: Science elective

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. (SCI305)



Semester: Yr
Grade Level: 11, 12
Prerequisite: Biology,
Chemistry, Algebra 1 and
Teacher Recommendation
GR: Science elective

Science PBL: 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)

Semester: Yr
Grade Level: 12
Prerequisite: Grade of 'C' or
better in Biology, Chemistry and
Physics.
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. Requirements include successful completion of either AP Biology or AP Chemistry by the end of the 11th grade and the completion of AP Biology by the end of the 12th grade. Medical Mentorship is a two semester course with one graduation credit. (SCI360)



Semester: Yr
Grade Level: 12
Prerequisite: Teacher
Recommendation and application
process.
GR: 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.

Required Courses:



9th Grade	10th Grade
Civics Economics <i>with Recommendation:</i> AP U.S. Government & Politics	United States History or American Dream: US History <i>with Recommendation:</i> AP United States History
11th Grade	
World History <i>with Recommendation:</i> AP World History	
Electives	
Cultural Studies of Gender Global Studies of Genocide Michigan History Peer Mentorship W.E.B. Professional Apprenticeship Psychology Student Leadership	AP U.S. Government & Politics AP U.S. History AP European History AP Macro-Economics 1 AP Micro-Economics 2 AP Psychology AP World History

Required Courses

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)

Semester: 1 or 2
Grade Level: 9
Prerequisite: None
GR: Civics

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)

Semester: 1 or 2
Grade Level: 9
Prerequisite: None
GR: Economics

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. (SST305)



Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Teacher
Recommendation
GR: Civics

West Bloomfield High School

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. (SST300A)



Semester: Yr
Grade Level: 10
Prerequisite: None
GR: United States History

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. (SST300D)

Semester: Yr
Grade Level: 10
Prerequisite: None
GR: United States History

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. (SST307)

Semester: Yr
Grade Level: 10, 11,12
Prerequisite: Teacher Recommendation
GR: United States History



www.wbsd.org

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. (SST340)

Semester: Yr
Grade Level: 11
Prerequisite: None
GR: World History



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. (SST308)

Semester: Yr
Grade Level: 11, 12
Prerequisite: Teacher
Recommendation
GR: World History



Elective Courses

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)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: None
GR: Social Studies
elective

Global Studies of Genocide

This semester long course will study and analyze genocides from a comparative, sociological perspective. The Holocaust, The Armenian Genocide and The Rwandan Genocide will be highlighted throughout the semester. 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, anti-Semitism, institutional changes, and social/political indifference. This course offers students insight into what sociologically creates conditions were people condone or even partake in the type of behavior that leads to genocide. Additionally, students will increase their understanding of social creations and how they can influence us. By studying the Global Studies of Genocide, students deepen their understanding of human nature, organized society, political leadership, democratic participation, and civilization. (SST465)

Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: None
GR: Social Studies
elective

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)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: Social Studies elective



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: Instructor
Permission Only;
Application Process
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. (SST368)

Semester: Yr
Grade Level: 11, 12
Prerequisite: Teacher
Recommendation;
Instructor Permission
Only; Application Process
GR: Social Studies
elective

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)



Semester: 1 or 2
Grade Level: 10, 11, 12
Prerequisite: None
GR: Social Studies
elective

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)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: Instructor
Permission Only
GR: Social Studies elective

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 courses conception is the renaissance and concludes with the demise of communism in Eastern Europe, reunification of Germany, and the crisis of global terrorism. (SST309)



Semester: Yr
Grade Level: 11, 12
Prerequisite: Teacher
Recommendation
GR: Social Studies elective

This course is offered only in even number years.

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. (SST359)

Semester: Yr
Grade Level: 12
Prerequisite: Teacher
Recommendation
GR: Social Studies elective



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: Credit for both AP Micro and AP Macro must be earned to fulfill the graduation requirement.

Semester: 1
Grade Level: 10, 11, 12
Prerequisite: Teacher
Recommendation
GR: Economics with AP
Micro-Economics

Micro and Macro Economics classes may be taken in any sequence.



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:** Credit for both AP Micro and AP Macro must be earned to fulfill the graduation requirement.

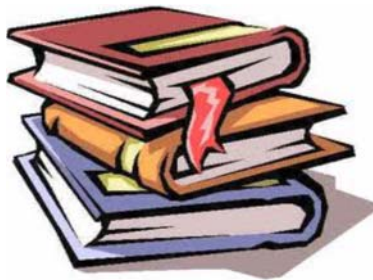


Semester: 2
Grade Level: 10, 11, 12
Prerequisite: Teacher
Recommendation
GR: Economics with AP Macro-
Economics

Special Services Department

The **Special Services Department** offers 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.

There are many paths to success



Special 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.

Education

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 be working with Khan Academy to improve reading and math skills. (SEC320)

Semester: 1 or 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Teacher or Counselor
Recommendation
GR: None

www.wbsd.org

World Language and ELL Department

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.

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.



Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: None
GR: World Language

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.

Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Level 1
GR: World Language

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.

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Level 2
GR: World Language

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.

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Level 3
GR: World Language



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.

Semester: 1, 2 or Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Level 4
GR: World Language

English Language Learner Offerings

English as a Second Language 1, 2, 3

This course is designed for the foreign born student who lacks oral and written proficiency in English. The primary focus of the class is to improve the student's ability to communicate in the English language. Basic grammar, vocabulary, American customs and holidays, cultural differences and similarities are introduced and discussed.



(ESL300)

Semester: Yr
Grade Level: 9, 10, 11, 12
Prerequisite: Language
Assessment
GR: Elective

Enrichment Course Offerings

Dual Enrollment

Dual Enrollment 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. (SPT110; SPT210)

Semester: 1 or 2
Grade Level: 11, 12
Prerequisite: Administrator Pre-Approval Required. Specific State requirements must be met
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 or at lunch. 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 is provided by a school social worker/LINK teacher. To become a LINK, a student should speak to their counselor and fill out an application. Parental permission is required. (CMS402)

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: Administrator Pre-Approval Required. Pre-approval by LINKS Coordinator/LINKS Teacher.
GR: None

Community Service Credit

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)

Semester: 1 or 2
 Grade Level: 9, 10, 11, 12
 Prerequisite: Administrator Pre-

Semester: 1 or 2
Grade Level: 9, 10, 11, 12
Prerequisite: Administrator Pre-Approval Required
GR: None

My Notes:

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Career and Technical Education Opportunities



Section E

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	Computer Programming
Accounting	Beginning Programming
Digital Computing	Intermediate Programming
Business Management Pathway	Advanced Placement Computer Science
Fashion Merchandising 1	Video Game Design
Fashion Merchandising 2	Industry and Technology
Growing Your Business 1	Engineering Academy 3, 4
Growing Your Business 2	Engineering 2, 3, 4
Personal Finance	Architecture 1, 2, 3, 4
Marketing Education	Project Lead the Way: Introduction to Engineering Design
Marketing	Project Lead the Way: Principles of Engineering
Advanced Marketing	Engineering and Computer Aided Design 1, 2, 3, 4
Sports & Entertainment Marketing	Video Technology & Arts
Business Internship	Digital Media Arts
	Multimedia Production
	Video Field Production

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:

For further information you may contact:

Mr. Eric Whitney

Assistant Superintendent for Talent Development and Management

5810 Commerce Road
West Bloomfield, MI 48324
Phone: 248-865-6426

Ms. Deanna Barash

Assistant Superintendent for Curriculum, Assessment and Instruction

5810 Commerce Road
West Bloomfield, MI 48324
Phone: 248-865-6478

West Bloomfield High School

My Notes:



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
E-mail: tbd@wbsd.org

