

# Bloomfield Hills High School

## COURSE DESCRIPTION BOOK 2024-2025



To enable learners to become architects of their futures, building on a foundation of scholarship, citizenship, service, and integrity.

4200 Andover Road, Bloomfield Hills, MI 48302 • 248.341.5600 • [www.bloomfield.org/bhhs](http://www.bloomfield.org/bhhs)



# Bloomfield Hills High School

4200 Andover Rd.  
Bloomfield Hills, Michigan 48302  
248.341.5600  
[www.bloomfield.org/bhhs](http://www.bloomfield.org/bhhs)

## ***BHHS Administration Team***

Dan Hartley, Principal  
Jessica Lupone, Associate Principal  
Cathy McDonald, Associate Principal  
Jason Ohrt, Associate Principal

## ***Counselors***

Melanie Brooks  
Brian Fitzgerald  
James Fogle  
Laura Hollyer  
Shayna Klein  
Tony Midea

## ***BHS Administration Team***

Keith McDonald, Interim Superintendent  
Todd Bidlack, Assistant Superintendent for Learning Services  
Sarah Fairman, Director of Secondary Education  
Lora Boka, Director of Special Education

# Table of Contents

<b>GENERAL INFORMATION</b>	<b>1</b>
<b>GRADUATION REQUIREMENTS</b>	<b>2</b>
<b>ADDITIONAL INFORMATION</b>	<b>3</b>
Course Selections	3
Report Cards	3
Progress Reports	3
Summer School	3
Importance of Course Selection	3
Level Changes	4
Advanced Courses	4
Pass/Fail	4
Virtual Learning	4
Postsecondary Enrollment Options Act/Dual Enrollment	4
Naviance Student will allow students and families to:	5
Bloomfield Hills Schools Middle Years Programme	6
<b>COURSES TO MEET COLLEGE ENTRANCE REQUIREMENTS</b>	<b>8</b>
<b>SERVICE AS ACTION</b>	<b>9</b>
<b>EARLY COMPLETION OF HIGH SCHOOL</b>	<b>10</b>
<b>NCAA CLEARINGHOUSE INFORMATION</b>	<b>11</b>
<b>BUSINESS/ENGINEERING</b>	<b>15</b>
AP (ADVANCED PLACEMENT) COMPUTER SCIENCE PRINCIPLES	15
BUSINESS & PERSONAL LAW	15
CAPSTONE/CAREER INTERNSHIP	15
CIVIL ENGINEERING & ARCHITECTURE	15
CYBERSECURITY	15
ENGINEERING - PRINCIPLES OF ENGINEERING	16
EXPLORING COMPUTER SCIENCE	16
FINANCE AND INVESTING	16
GAME DESIGN	16
INTRODUCTION TO ENGINEERING DESIGN	16
INTRODUCTION TO BUSINESS	17
LIVING IN A DIGITAL WORLD	17
MARKETING - SPECIAL EVENTS	17
SMALL BUSINESS CREATION: BUSINESS MANAGEMENT	17
PRINCIPLES OF MARKETING (DECA)	17
<b>COMMUNICATION</b>	<b>17</b>
COMMUNICATION: SPEECH AND DEBATE	17
FORENSICS	18
INTRODUCTION TO BROADCASTING	18
NEWSPAPER	18
WBFH STAFF – Prerequisite: Intro to Broadcasting	18

YEARBOOK — Application required	18
<b>DEAF AND HARD OF HEARING</b>	<b>19</b>
*ACADEMIC REINFORCEMENT	19
*TRANSITIONS	19
*WORK STUDY	19
*BASIC SKILLS	20
*BASIC ENGLISH	20
*ENGLISH I	20
*ENGLISH II	20
*ENGLISH SKILLS	20
*ENGLISH III	21
*LITERACY I	21
*LITERACY II	21
*LITERACY III	21
*LITERATURE	21
*LITERATURE II	22
*READING SKILLS	22
*WRITING/LITERATURE I	22
*WRITING/LITERATURE II	22
*BASIC HEALTH	23
*HEALTH	23
*ALGEBRA I	23
*ALGEBRA II	23
*ALGEBRA IIA	23
*ALGEBRA IIB	23
*BASIC GEOMETRY	24
*BASIC MATH	24
*GEOMETRY	24
*HIGH SCHOOL MATH I	24
*HIGH SCHOOL MATH II	24
*PRACTICAL MATH	24
*PRE-ALGEBRA I	24
*PRE-ALGEBRA II	25
*ANATOMY	25
*BIOLOGY	25
*CHEMISTRY	25
*EARTH SCIENCE	25
*PRACTICAL SCIENCE	25
*BASIC ECONOMICS	26
*BASIC U.S. GOVERNMENT	26
*BASIC U.S. HISTORY	26
*CURRENT ISSUES	26
*ECONOMICS	26
*GOVERNMENT	26

<i>*U. S. HISTORY</i>	27
<i>*WORLD HISTORY</i>	27
<b>ENGLISH</b>	<b>28</b>
21ST CENTURY MEDIA LITERACY	28
ADVANCED PLACEMENT LANGUAGE AND COMPOSITION	28
ADVANCED PLACEMENT LITERATURE AND COMPOSITION	28
CREATIVE WRITING – Cannot be repeated	28
DIGITAL NARRATIVES AND PRODUCTIONS (BHS-TV NEWS)	28
ENGLISH 9	29
ENGLISH 10: AMERICAN LITERATURE 1600's – Present (taken with AP US History)	29
ENGLISH 10: AMERICAN LITERATURE 1900's – Present ( taken with US History)	29
ENGLISH 11	30
ENGLISH 12	30
FILM AND COMPOSITION: A SOCIAL PERSPECTIVE	30
FILM AND COMPOSITION: A TECHNICAL PERSPECTIVE	30
FILM PRODUCTION	30
GLOBAL STUDIES AND SOCIAL ACTION: A LITERARY AND HISTORICAL PERSPECTIVE	31
IB ENGLISH HL I	31
IB ENGLISH HL II	31
PROFESSIONAL LEARNING PATHWAYS: BIOMED II ENGLISH	31
PROFESSIONAL LEARNING PATHWAYS: MEDIA ARTS I	32
PROFESSIONAL LEARNING PATHWAYS: MEDIA ARTS II	32
READING & WRITING	32
WOMEN'S STUDIES & LITERATURE	32
<b>ENGLISH LANGUAGE DEVELOPMENT</b>	<b>33</b>
ELD – ACADEMIC VOCABULARY	33
ELD – ENGLISH I	33
EL D– ENGLISH II	33
ELD – MATH SKILLS	33
ELD – NEWCOMERS ENGLISH	33
ELD – SOCIAL STUDIES SKILLS	33
ELD – STRATEGIES	33
ELD U.S. HISTORY	34
ELD WORLD HISTORY	34
<b>GENERAL ELECTIVES</b>	<b>35</b>
ALGEBRA I EXTENSION	35
ALGEBRA II EXTENSION	35
CALCULUS EXTENSION	35
IB CORE STUDIES I	35
IB CORE STUDIES II	35
INTEGRATED STUDIES - EXTENSION	36
INTERDISCIPLINARY STUDIES (LC9)	36
INTERDISCIPLINARY STUDIES (LC10)	36
LEAD 9	36

LEARNING STRATEGIES 9th Grade	36
LEARNING STRATEGIES 10th Grade	37
LEARNING STRATEGIES 11th Grade	37
LEARNING STRATEGIES 12th Grade	37
LINKED TO BHHS, PEER TO PEER SUPPORT	37
PRE-CALCULUS EXTENSION	37
STUDENT LEADERSHIP	38
WRITING ACROSS THE CURRICULUM - ELA EXTENSION	38
<b>HEALTH AND PHYSICAL EDUCATION</b>	<b>39</b>
HEALTH EDUCATION	39
KINESIOLOGY	39
ADVANCED CONDITIONING FOOTBALL	40
CARDIO & CORE	40
LIFETIME INDIVIDUAL SPORTS	40
PHYSICAL EDUCATION	40
TEAM SPORTS	40
WEIGHT TRAINING	40
BODY CONDITIONING YOGA	40
UNIFIED PE	41
<b>MATHEMATICS</b>	<b>41</b>
ADVANCED PLACEMENT PRE-CALCULUS	41
ADVANCED PLACEMENT CALCULUS (AB)	41
ADVANCED PLACEMENT CALCULUS (BC)	41
ADVANCED PLACEMENT STATISTICS	41
ALGEBRA I	41
ALGEBRA 1A	42
ALGEBRA 1B	42
ALGEBRA II	42
ALGEBRA IIA	42
ALGEBRA II EXTENSION	42
CALCULUS	42
CALCULUS EXTENSION	42
GEOMETRY	43
HONORS ALGEBRA II	43
IB MATH ANALYSIS & APPROACHES SL I	43
IB MATH ANALYSIS & APPROACHES SL II	43
IB MATH APPLICATIONS & INTERPRETATION SL I	43
IB MATH APPLICATIONS & INTERPRETATION SL II	43
PATHWAYS (PW): BIOMEDICAL STATISTICS	44
PERSONAL FINANCE	44
PRE-AP GEOMETRY WITH STATISTICS	44
PRE-CALCULUS	44
PRE-CALCULUS EXTENSION	44
STATISTICS	44

<b>PERFORMING ARTS/MUSIC</b>	<b>45</b>
<b>BANDS</b>	<b>45</b>
BLACK HAWK BAND	45
CAMPUS BAND	45
JAZZ BAND	45
SYMPHONY BAND	45
BLACK HAWK SINGERS	46
BLOOMFIELD CHORALE - Audition required	46
CONCERT CHOIR	46
JILLS - Audition required	46
VOCALISE	46
CAMPUS ORCHESTRA	46
CHAMBER MUSIC	47
GUITAR AND UKULELE	47
PHILHARMONIC ORCHESTRA	47
SYMPHONY ORCHESTRA	47
SYMPHONY ORCHESTRA WINDS	47
<b>STUDIES IN MUSIC</b>	<b>48</b>
MUSIC TECHNOLOGY	48
ADVANCED MUSIC TECHNOLOGY	48
IB MUSIC SL I	48
IB MUSIC SL II	48
<b>THEATRE ARTS</b>	<b>48</b>
ACTING	48
ACTING 2	48
ACTING 3 - Audition Required	49
DANCE	49
THEATER DESIGN & TECH	49
ADVANCED THEATER DESIGN & TECH	49
IB THEATER I	49
IB THEATER II	50
<b>SCIENCE</b>	<b>51</b>
ADVANCED PLACEMENT BIOLOGY	51
ADVANCED PLACEMENT CHEMISTRY	51
ADVANCED PLACEMENT PHYSICS 1	51
ADVANCED PLACEMENT PHYSICS 2	51
ADVANCED PLACEMENT PHYSICS C	51
ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	52
ANATOMY AND PHYSIOLOGY	52
BIOLOGY	52
CHEMISTRY OF EARTH'S SYSTEMS	52
EARTH SCIENCE: ASTRONOMY	52
EARTH SCIENCE: GEOLOGIC DISASTERS	53
EARTH SCIENCE: OCEANS AND WEATHER	53

FORENSIC SCIENCE	53
HUMAN PATHOLOGY	53
IB BIOLOGY HL I	53
IB BIOLOGY HL II	54
IB CHEMISTRY SL I	54
IB CHEMISTRY SL II	54
IB SPORTS, EXERCISE AND HEALTH SCIENCE HL	54
IB SPORTS, EXERCISE AND HEALTH SCIENCE SL	55
MYSELF IN NATURE 1: ENVIRONMENTAL FIELD PRACTICES	55
MYSELF IN NATURE 2: ENVIRONMENTAL FIELD STUDIES APPLIED	55
MICROBIOLOGY	55
PHYSICS OF THE UNIVERSE	55
PROFESSIONAL LEARNING PATHWAYS: BIOMED	56
PROFESSIONAL LEARNING PATHWAYS: SCIENCE OF AGRICULTURE, FOOD AND NATURAL RESOURCES	56
PROFESSIONAL LEARNING PATHWAYS: VETERINARY SCIENCE	56
ZOOLOGY A	56
ZOOLOGY B	57
<b>SOCIAL STUDIES</b>	<b>57</b>
ADVANCED PLACEMENT AMERICAN GOVERNMENT & POLITICS	58
ADVANCED PLACEMENT EUROPEAN HISTORY	58
ADVANCED PLACEMENT MACROECONOMICS	58
ADVANCED PLACEMENT MICROECONOMICS	58
ADVANCED PLACEMENT PSYCHOLOGY	59
ADVANCED PLACEMENT U.S. HISTORY	59
ADVANCED PLACEMENT WORLD HISTORY	59
AFRICAN AMERICAN STUDIES	59
AMERICAN GOVERNMENT	59
CULTURAL HISTORY: SPORT AND COMPETITION IN SOCIETIES I AND II	60
CURRENT ISSUES	60
DETROIT PAST AND PRESENT	60
ECONOMICS	60
HEALTH PSYCHOLOGY	60
IB PSYCHOLOGY HL I	61
IB PSYCHOLOGY HL II	61
IB WORLD RELIGIONS	61
IB EUROPEAN HISTORY 1	62
IB WORLD HISTORY 2	62
INTERNATIONAL STUDIES: MODEL UNITED NATIONS	62
PSYCHOLOGY I	62
SOCIOLOGY	63
THEORIES OF SELF	63
U. S. HISTORY	63
WORLD HISTORY	63
<b>SPECIAL EDUCATION</b>	<b>64</b>



ALGEBRA 1A	64
ALGEBRA 1B	64
BASIC READING	64
DAILY LIVING #1	64
DAILY LIVING #2	64
DIRECTED STUDIES	64
MATH QUEST	65
TRANSITION #1	65
TRANSITION #2	65
WORK-SITE BASED LEARNING	65
<b>VISUAL ARTS</b>	<b>66</b>
ADVANCED CERAMICS/SCULPTURE	66
ADVANCED DRAWING	66
ADVANCED GRAPHIC DESIGN	66
ADVANCED JEWELRY/METALSMITHING	66
ADVANCED PAINTING	67
ADVANCED PHOTOGRAPHY	67
ADVANCED DIGITAL ART	67
ADVANCED PLACEMENT ART AND DESIGN	67
CERAMICS/SCULPTURE	68
DIGITAL ART	68
DRAWING	68
FANTASY & SCI-FI ART	68
GRAPHIC DESIGN	69
IB VISUAL ARTS HL I	69
IB VISUAL ARTS SL I	69
IB VISUAL ARTS SL II	69
IB VISUAL ARTS HL II	69
JEWELRY/METALSMITHING	70
PAINTING	70
PHOTOGRAPHY	70
<b>WORLD LANGUAGES</b>	<b>71</b>
AMERICAN SIGN LANGUAGE 100	71
AMERICAN SIGN LANGUAGE 200	71
AMERICAN SIGN LANGUAGE 300	71
AMERICAN SIGN LANGUAGE 400	71
CHINESE 100	71
CHINESE 200	71
CHINESE 300	72
CHINESE 400/IB Level I	72
CHINESE 500/IB LEVEL II	72
FRENCH 100	72
FRENCH 200	72
FRENCH 300	73

FRENCH 400/IB Level I	73
FRENCH 500/IB Level II	73
SPANISH 100	73
SPANISH 200	73
SPANISH 300	73
SPANISH 400/IB Level I	74
SPANISH 500/IB LEVEL II	74
<b>OAKLAND SCHOOLS TECHNICAL CAMPUS</b>	<b>75</b>
So, what is OSTC anyway?	75
OSTC, It's all that... and more!	75
Academic Course Offerings	75
<b>Automotive Technology</b>	<b>76</b>
<b>Collision Repair and Refinishing</b>	<b>76</b>
<b>Computer Programming</b>	<b>76</b>
<b>Construction Technology</b>	<b>76</b>
<b>Cosmetology</b>	<b>76</b>
<b>Criminal Justice</b>	<b>76</b>
<b>Culinary Arts/Hospitality</b>	<b>76</b>

# GENERAL INFORMATION

This collection of high school course descriptions has been compiled as an aid to students and families in selecting among possible alternatives for the preliminary high school course of study plan. Actual school programs and schedule of classes should be made in light of each student's background interests, aptitude, and aspirations. Final decisions should involve student, parent, teachers, and counselor.

## **Nondiscrimination**

It is the policy of the Bloomfield Hills Schools not to discriminate on the basis of race, color, religion, national origin, sex, age, height, weight, marital status, disability, genetic information, or any other reason prohibited by applicable laws, in its programs, services, activities, or employment practices. Inquiries related to discrimination on the basis of disability should be directed to the Section 504 Coordinator: Lora Koka,, Director of Special Education, 7273 Wing Lake Road, Bloomfield Hills, MI 48301, (248) 341-5415. Direct all other inquiries related to discrimination to: Keith McDonald, Interim Superintendent, 7273 Wing Lake Road, Bloomfield Hills, MI 48301, (248) 341-5425.

## **The Importance of Course Selection**

During the second semester of each school year many plans and procedures are instituted in preparation for the following year. None is of greater importance nor has farther- reaching implications than scheduling. From student course selections, the number and size of classes offered are determined, teachers are hired, and budget allocations made.

### **PARENTS AND STUDENTS MUST THEREFORE EXERCISE CAREFUL PLANNING PRIOR TO MAKING COURSE SELECTIONS.**

Each student is asked to review this booklet thoroughly and to consult with his/her counselor on special problems or concerns in arriving at final decisions. Once these decisions are made, the course selection sheet must be signed by both student and parent and returned to the counselor. Once submitted, the course selection sheet constitutes the basis for all further planning. Subsequent changes in course selections will be discouraged.

# GRADUATION REQUIREMENTS



**Bloomfield Hills High School**  
*An International Baccalaureate World School*



## GRADUATION REQUIREMENTS

*Effective for the class of 2023 and beyond*

CONTENT AREA	CREDITS NEEDED	EXPLANATION OF CREDITS
English	4	4 credits
Math	4	Credits must include: Algebra I, Geometry, and Algebra II 1 math course must be taken during the senior year. <i>The Personal Financial Literacy course could be 0.5 of this 1.0 credit.</i>
Science	3	1 credit of Biology 1 credit of Chemistry of Earth's Systems 1 Science elective credit (Physics of the Universe is recommended)
Social Studies	3	1 credit of World History & Geography 1 credit of U.S. History & Geography 0.5 credit in Civics 0.5 credit in Economics
Health & Physical Education	2	0.5 credit in Health Education 1.5 elective credit
Visual, Performing and Applied Arts	1	1 credit in Visual, Performing, or Applied Arts
World Languages	2	2 credits of World Language
Personal Financial Literacy*	0.5	0.5 credit course *beginning with the graduation class of 2028
Additional Credits	8.5 to 11	Note: "additional" will specify content areas (e.g. communications, arts, etc)
Technical Competency		All students must take one computer-based course during grades 9-12 (This requirement may be met by courses identified in most content areas).
Online Learning Experience		All students must have an online learning experience before graduation. (This requirement can be satisfied by experiences within a regular course).
Community Service		Minimum one Service As Action experience per year
State of Michigan Assessment		ALL STUDENTS ARE REQUIRED TO TAKE THE STATE-REQUIRED ASSESSMENTS PRIOR TO GRADUATION.
Middle Years Program Personal Project		ALL STUDENTS ARE REQUIRED TO COMPLETE THE PERSONAL PROJECT.
<b>TOTAL CREDITS REQUIRED</b>	<b>28</b>	

Adopted by the Bloomfield Hills Schools Board of Education on July 28, 2022

# ADDITIONAL INFORMATION

## Course Selections

Grade levels at which courses may be taken are indicated with each course description. One-credit courses are usually full-year/two-semester courses. One-half credit courses are usually single-semester courses.

## Report Cards

Bloomfield Hills High School schedules courses on a two-semester system. Each semester is in session for 20 weeks. Grades received at the conclusion of the first semester are final and become part of the student's permanent scholastic record. Academic reports are available on MISTAR or can be requested through the records office.

Bloomfield Hills High School weights grades for all International Baccalaureate (IB) and Advanced Placement (AP) courses. These courses have an increased value of 1.0 over normal grading scale for grades A through D. BHHS transcripts will display both the unweighted grade point average as well as the weighted grade point average. For school based programming, unweighted grade point averages will be used, such as calculations toward National Honor Society eligibility. This policy will only impact grades earned from the 2017/2018 school year forward and is not retroactive.

This policy was designed to support students for competitive post-secondary scholarships.

## Progress Reports

Progress Reports are available on MISTAR Parent Connect at the midpoint of each marking period to identify students doing below-average work or who may fail. A report may also indicate that the student is improving or doing satisfactory work.

## Summer School

Students who wish to make up for deficiencies in credit, replace a grade from a previously taken class, desire to earn additional credits, or who wish to take courses for enrichment, may enroll and attend summer school. Credits earned will become part of the high school transcript for any student who completes courses beginning the summer after 8th grade is completed.

## Importance of Course Selection

This catalog of high school courses is offered as an aid to students and families in making course selections for the student's schedule. The student's past record, aptitude, interest, and future plans should be considered in the final decisions involving the mutual agreement of student, parent, and counselor.

During the second term of each school year, many plans and procedures are instituted in preparation for the following year. None is of greater importance nor has more far reaching implications than scheduling. From student course selections, the number of classes and staffing are determined, and budget allocations are made. It is very important that both parents and students, prior to making course selections, must exercise careful post-secondary career planning. Before the course selection begins, parents and students should discuss goals after graduation. Even if a student's post-secondary goals change, the process of long-term planning is an extremely important one. Once goals have been discussed, the student's education developmental plan (EDP) should align with his or her career pathway.

The counselor will provide all materials and offer advice prior to the announced deadline. Each student is asked to review this catalog thoroughly and consult with his/her parents, teachers, and counselor on special problems or concerns in arriving at final decisions. The course selection sheet must be signed by both student and parent, then

returned to the counselor. Having been submitted, the selection sheet constitutes the basis for all further planning.

Unfortunately, if too few students select a particular course, it may be canceled. Some courses may not be offered every year. Please make decisions thoughtfully and carefully. Opportunities are limited for making adjustments to the computer generated student schedule, which is issued during registration prior to the start of the school year.

## Level Changes

Students are encouraged to select their courses carefully. Once school is in session, students may not make any schedule changes after the 5th week of school.

## Advanced Courses

Honors, Advanced Placement (AP), and International Baccalaureate (IB) courses are intended for students who are interested in challenging themselves in the subject area.

Students and parents should be aware that grade transcripts prepared for colleges and universities specifically identify honors, advanced placement, and IB courses. Many admitting offices take into account the comparative difficulty of completed honors courses, although there is no guarantee that individual institutions will make such allowances.

## Pass/Fail

Students at all four grade levels may select a pass/fail grade report for two subjects each semester. The student must have written permission from a parent, teacher, and counselor and apply within the first ten weeks of the semester. The student may decide to drop the pass/fail option in favor of a letter grade, but he/she must do so by the 17th week (or three weeks before the semester ends). **\*Please note that there may be implications regarding college admissions by selecting this option.**

## Virtual Learning

Under Section 21f of the State School Aid Act, students in grades 6-12 may elect to take up to two online courses during each semester. Students who plan to take online courses during the 2022-2023 school year must identify their interest on their course selection sheet and work with their counselor to make appropriate selections.

The deadline for completing the [Virtual Learning Authorization Form](#) in order to be enrolled into an online course is March 8, 2024, for both first and second semester courses.

Virtual courses are available from the following providers: Michigan Virtual, Pamoja - IB full diploma candidates only by approval, Edgenuity and Educere.

## Postsecondary Enrollment Options Act/Dual Enrollment

Under the provisions of the Postsecondary Enrollment Options Act, high school students who desire to pursue course work beyond the scope of the local high school curriculum, and who have qualifying scores in either the PSAT, SAT or ACT tests, may enroll in college courses while in high school.

Bloomfield Hills High School is happy to utilize [Naviance Student](#), a web-based service designed especially for our students and families. **Naviance Student** is a comprehensive website that both students and parents can use to help in making decisions about courses, colleges, and careers.

## Naviance Student will allow students and families to:

- Get involved in the planning and advising process, including building a resume
- Manage timelines and deadlines for making decisions about colleges and careers
- Monitor students progress during the college application process
- Research thousands of colleges and universities all around the world
- Find out which colleges are visiting our school
- Research scholarship information
- Investigate enrichment programs
- View updates and links from the school
- Review the results of student's assessments
- Research careers and pathways
- Review courses students plan on taking to see if they are meeting the school requirements
- Set realistic goals and tasks
- Create a resume
- Communicate with school staff

**Naviance Student** also lets us share information with you about up-coming meetings and events, scholarship opportunities, and other resources for college and career information. In addition, the site includes a link that you can use to send the counselors e-mail messages at the click of a button. Students and families can access Naviance Student by going to <https://student.naviance.com/bloomfieldhhs>



## Naviance Student Mobile App Quick Guide

---

### Overview

Naviance Student mobile app is a college and success planning tool designed to help high school students plan their college search, communicate with their guidance counselors, and stay on top of tasks and assignments related to their learning plan and the college application process.

The Naviance Student mobile app does not need to be set up – it is already available for students to use!

### Getting Students Started

Students can download the Naviance Student mobile app the following ways:

- › **Home** page of Family Connection\*
- › About Me tab in Family Connection
- › App Store<sup>SM</sup>

\*The mobile app banner must be enabled for students to download the app from the Home page of Family Connection.





## Bloomfield Hills Schools Middle Years Programme

Although the Middle Years Programme is intended to be an inclusive program for all students, there are some fundamental requirements a student must meet by the end of tenth grade to qualify for a Bloomfield Hills Schools Middle Years Programme Certificate of Recognition.

- Students must satisfactorily complete a minimum of two semesters of MYP-approved classes in each of the eight required MYP subject areas.
- To meet the holistic and interdisciplinary components of the MYP, students may not apply course work from Model Center, Bowers Academy, or course work from any other institution toward the fulfillment of MYP requirements.
- The eight required MYP subject areas are Language and Literature (English), Mathematics, Sciences, Individuals and Societies (Social Studies), Physical Education and Health, Arts (Visual or Performing Arts), Design (Business and Engineering), and Language Acquisition (World Languages).
- In addition to MYP course work, students who desire to qualify for a BHS-MYP Certificate of Recognition must also satisfactorily complete a Personal Project by the conclusion of tenth grade.

## The IB Diploma Programme

The IB Diploma Programme is designed as an academically demanding and diverse educational programme that prepares students for academic success in college. The programme takes place over the course of the 11th and 12th grades and is recognized by many colleges and universities throughout the world. This inclusive programme will give students the opportunity to participate in a wide array of educational opportunities, as well as participate in athletic and co-curricular activities.

IB Diploma Programme students will gain a global perspective which will enhance their appreciation and understanding of the world and their place in it. IB students may earn college credit for tests they take as part of the IB program.

In order to adequately prepare students for the IB curriculum in their junior and senior years, it is strongly recommended that students begin their freshman year in specific courses.

Please refer to the IB Diploma Programme chart on the BHHS website at: [www.bloomfield.org/ib](http://www.bloomfield.org/ib) for specific information regarding the IB Diploma Programme and 9<sup>th</sup> grade course selections and preparedness for the IB curriculum.

additional information:

[IB Student Handout 2023](#)

[10 Reasons why the IB Diploma Programme \(DP\) is Ideal Preparation for University](#)

[IB Students Acceptance Rates at the top 25 U.S. Universities](#)





## IB DIPLOMA PROGRAMME ACADEMIC PATHWAYS

The academic pathways are **required** to ensure successful preparation for the rigors of the IB Diploma Programme (DP) and subject area examinations. Students will select courses for the DP that are two-year courses of study for the junior and senior year. This is designated by IB 1 and IB 2 in the course name.

**Full IB Diploma students:**

- Must take one course in each Group with the exception of Group 6. Group 6 can be replaced with an additional course in **either** Group 3 or Group 4.
- Will select which courses to test at the Higher Level (HL) or Standard Level (SL) in fall of senior year. Students must take three HL and three SL exams. One-year courses – IB SEHS and IB World Religions – are automatically SL exams. IB English is automatically HL. Ab Initio language courses are only SL and are two-year courses.
- Complete the Extended Essay, Theory of Knowledge (TOK) and Creativity, Activity, and Service (CAS) requirements.

→	8TH GRADE	9TH GRADE	10TH GRADE		11TH GRADE	12TH GRADE	OPTIONS FOR FULL DP CANDIDATE
<b>GROUP 1: ENGLISH</b>		English 9	English 10 (1600 or 1900)	→	IB English 1 & 2 (two-year sequence)		★ Mandatory HL
<b>GROUP 2: LANGUAGE ACQUISITION</b>	Chinese 100 Spanish 100 French 100	Chinese 200 Spanish 200 French 200	Chinese 300 Spanish 300 French 300	→	IB 1 Chinese 400 & IB 2 Chinese 500 IB 1 Spanish 400 & IB 2 Spanish 500 IB 1 French 400 & IB 2 French 500 (two-year sequence)		★ Mandatory SL/HL
		Chinese 100 French 100 Spanish 100	Chinese 200 French 200 Spanish 200	→			
				→			
<b>GROUP 3: INDIVIDUALS &amp; SOCIETIES</b>		World History	US History (or AP US History) may add Gov/Econ if schedule permits	Option 1 →	IB History 1 & 2 or IB Psychology 1 & 2 (HL only)		★ Mandatory - must take option 1, 2 or 3
				Option 2 →	IB World Religions 1 and Government / Economics <i>IB World Religions is a one-year course and can be taken either year</i>		
				Option 3 →	IB History 1 & 2 and IB World Religions 1		
<b>GROUP 4: EXPERIMENTAL SCIENCES</b>		Biology	Chemistry of Earth's Systems and/or Physics of the Universe (or AP Physics A)	Option 1 →	IB Sports, Exercise & Health Science 1 <i>IB SEHS 1 is a one-year course and can be taken either year</i>		★ Mandatory - must take option 1, 2 or 3
				Option 2 →	IB Biology 1 & 2 (HL) or IB Chemistry 1 & 2 (SL) or IB SEHS (SL) <i>(two-year sequences)</i>		
				Option 3 →	IB Biology (1&2) + IB Chemistry (1&2) or IB Biology (1 & 2) + IB SEHS or IB Chemistry (1 & 2) + IB SEHS <i>IB Biology and IB Chemistry are two-year sequences. IB Biology is offered HL and IB Chemistry is offered SL. IB SEHS is one year</i>		
<b>GROUP 5: MATH</b>	Math 8	Algebra 1	Geometry	→	IB Math Applications SL 1 & 2		★ Mandatory
	Algebra 1	Geometry	Algebra 2	→	IB Math Applications SL 1 & 2		
	Algebra 1	Geometry	Honors Algebra 2	→	IB Math Analysis SL 1 & 2		
	Geometry	Honors Algebra 2	Honors Pre-Calc	→	IB Math Analysis HL 1 & 2		
<b>GROUP 6: THE ARTS</b>		Art Elective	Art Elective	→	IB Visual Arts 1 & 2 (two-year sequence)		Visual Arts is available at the HL & SL Levels
	Music (Band, Choir, Orchestra)	Music (Band, Choir, Orchestra)	Music (Band, Choir, Orchestra)	→	IB Music 1 & 2 (SL) & Group Ensemble (two-year sequence; SL Only)		IB Music students also remain in auditioned group
		Acting 1	Acting 2	→	IB Theatre 1 & 2 (two-year sequence)		Theatre is available at HL & SL Levels
<b>TOK, EXTENDED ESSAY AND CAS</b>					Core Studies 1	Core Studies 2	★ Mandatory

# COURSES TO MEET COLLEGE ENTRANCE REQUIREMENTS

## Four-Year Colleges and Universities

It is strongly recommended that students preparing for admission to four-year colleges and universities earn the following credits in senior high school. *\*Consult the websites of colleges you have an interest in for recommendations and requirements, as they may vary greatly from one school to another.*

**Four credits of English**

**Three or four credits of Social Studies**

**Four credits of Mathematics**

**Three to four credits of Science**

**World (Foreign) Language**

## Other College Considerations

The admissions decision is based on all the available evidence concerning a student - the rigor of his/her high school program, grades, test scores, recommendations, citizenship record, and the appropriateness of the applicant's proposed field of study in relation to his/her apparent abilities and interests. In determining grade point averages, some four-year colleges use only those grades earned in academic subjects, i.e., English, math, science, social studies, and world (foreign) language.

Colleges request that students take a college entrance examination either at the end of their junior year or at the beginning of their senior year. The two most frequently used tests are the Scholastic Aptitude Test (SAT), of the College Entrance Examination Board, and the American College Test (ACT). Students may retake these tests.

## Two-Year Colleges

Community colleges, such as Oakland Community College, usually admit students without regard to a specific course pattern. However, if a student anticipates transferring to a four-year college or university, his/her high school program should be planned to prepare for successful completion in the chosen program.

Students enrolling in a community college may be completing a two-year general education or a pre-professional program with the intention of transferring to a four-year institution, or they may be completing one of the excellent technical or business career programs.

Some factors that students and parents might investigate are the maturity of the student, the opportunity to explore career goals, specialized vocational training, and cost.

# SERVICE AS ACTION

The graduation requirement is to have at least one Service as Action experience per year (minimum of four total). As part of the process, students will submit their information detailing their experience in a Google Form that is available on the Community Service page for Bloomfield Hills High School. This form gives the student the opportunity to detail the service experience, include the total number of hours, provide a reflection and a supervisor name with contact number.

Detailed information, including FAQs and the Service as Action Google form, can be found on our Community Service [webpage](#).

## Community Service/Service as Action

### Service as Action Requirement

Only 3 Service As Action experiences are required for the classes of 2024. One for each school year with an exception made for the COVID school year making 3 total.

Class of 2025 and beyond are required to complete 4 Service As Action experiences, one for each school year.

[SERVICE AS ACTION GOOGLE FORM](#)  
(submit experiences/hours)

[SERVICE AS ACTION FAQs](#)

### FIND NONPROFIT ORGANIZATIONS IN & NEAR BLOOMFIELD HILLS TO VOLUNTEER

#### Michigan.gov Volunteer opportunities

Feb 2 2024

Search and sort through the [Michigan.gov volunteer site](#) to find in-person and online volunteer opportunities!

#### Friendship Circle Volunteers

Feb 2 2024

Friendship Circle of Michigan is a non-profit based in the Metro-Detroit area. The goal is to provide every individual with special needs the support, friendship and inclusion that they deserve. Volunteers are paired with a child who has special needs for a 1-2 hour program after-school or Sundays. Together, they form a friendship in one of our weekly programs. Programs include teaching the participants basketball, engaging in arts and crafts and going to fun activities such as miniature putt putt and laser tag.

## Volunteering isn't always Service as Action (Community Service)

# EARLY COMPLETION OF HIGH SCHOOL

## Early Completion Requirements

The first step is to receive the written request from the student's parent or legal guardian permitting the building administrator to begin the early graduation process. The following conditions must be met in order for the student to terminate his/her attendance prior to graduation and still receive a diploma at the regular commencement exercises in June.

The student, before the termination of enrollment:

- must meet all Michigan Merit Curriculum requirements
- must complete 28 credits and meet all Bloomfield Hills High School graduation requirements
- must complete seven semesters of high school or complete the fall semester of senior year
- Full enrollment in either an accredited two- or four-year institution or full employment beginning in the semester immediately following early completion. Consideration would also be given to relocation out of the United States. Evidence of either full enrollment or full employment must be provided before the confirmation letter is issued in January of the senior year.
- Additional considerations for the successful completion of two (2) credits (four (4) semester classes) in a fully accredited, two- or four-year institution of higher education or out-of-district high school may be applied toward early high school completion.

## Process and Procedures

On or before the first week of June of the student's junior year of high school, the student should:

- Submit a written request for early completion to the school counselor
- The counselor will send the Request for Early Completion Form and the requirements for Early Completion. The form must be completed with all appropriate parent/guardian signatures and submitted to the counselor before the last day of school.
- The principal will review the request and establish if the student meets all of the requirements outlined above for early completion.

**Exceptions may be made by the high school principal.**

# NCAA CLEARINGHOUSE INFORMATION

## DIVISION I ACADEMIC REQUIREMENTS

To study and compete at a **Division I school**, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.3 **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

### CORE-COURSE REQUIREMENTS

Earn 16 NCAA-approved core-course credits in the following areas:

 <b>ENGLISH</b>	 <b>MATH</b> (Algebra I or higher)	 <b>SCIENCE</b> (Including one year of lab, if offered)	 <b>ADDITIONAL</b> (English, math or science)	 <b>SOCIAL SCIENCE</b>	 <b>ADDITIONAL COURSES</b> (Any area listed to the left, world language or non-doctrinal religion/philosophy)
<b>4 years</b>	<b>3 years</b>	<b>2 years</b>	<b>1 year</b>	<b>2 years</b>	<b>4 years</b>

For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

### QUALIFIER

As a Division I qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division I school.

- » Earn 16 NCAA-approved core-course credits in the right areas.
  - Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
  - Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- » Earn a minimum 2.3 **core-course GPA**.
- » Submit your final transcript with proof of graduation to the Eligibility Center.

### ACADEMIC REDSHIRT

As a Division I academic redshirt, you may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

- » Earn 16 NCAA-approved core-course credits in the right areas.
- » Earn a minimum 2.0 core-course GPA.
- » Submit your final transcript with proof of graduation to the Eligibility Center.

\* More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).





## TEST SCORES

In January 2023, NCAA Divisions I and II adopted legislation to remove standardized test scores from initial-eligibility requirements. Check with the NCAA school you plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements.

*\* More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).*

## CORE-COURSE LIST

Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist). No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

## NONTRADITIONAL AND ONLINE COURSES

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on [your school/program's list of NCAA-approved core courses](#).

## BE AHEAD OF THE GAME

- » Plan to register with the NCAA Eligibility Center at [eligibilitycenter.org](https://eligibilitycenter.org) before your freshman year of high school. Visit [on.ncaa.com/RegChecklist](https://on.ncaa.com/RegChecklist) to help guide you through the registration process.
- » After six semesters of high school, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.

## ADDITIONAL RESOURCES

- » [DII Academic Requirements flyer](#).
- » [DIII Amateurism flyer](#).
- » [International Initial-Eligibility flyer](#).



Want more information? Visit [ncaa.org/playcollegesports](https://ncaa.org/playcollegesports).

### CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec): 877-262-1492  
Monday-Friday, 9 a.m. to 5 p.m. Eastern time

[@ncaaec](https://twitter.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports) [@ncaaec](https://www.facebook.com/ncaaec)

# DIVISION II ACADEMIC REQUIREMENTS

To study and compete at a **Division II school**, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.2 **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

## CORE-COURSE REQUIREMENTS

Earn 16 NCAA-approved core-course credits in the following areas:

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, world language or non-doctrinal religion/philosophy)
<b>3 years</b>	<b>2 years</b>	<b>2 years</b>	<b>3 years</b>	<b>2 years</b>	<b>4 years</b>

## QUALIFIER


As a Division II qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division II school.

- » Earn 16 NCAA-approved core-course credits in the right areas.
- » Earn a minimum 2.2 **core-course GPA**.
- » Submit your final transcript with proof of graduation to the Eligibility Center.

## PARTIAL QUALIFIER

If you have not met all of the Division II academic standards, you will be deemed a partial qualifier. As a partial qualifier, you may practice and receive an athletics scholarship, but may NOT compete, during your first year of full-time enrollment at an NCAA Division II school.

\* More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).

 DIVISION II

**MAKE IT *YOURS***



## TEST SCORES

In January 2023, NCAA Divisions I and II adopted legislation to remove standardized test scores from initial-eligibility requirements. Check with the NCAA school you plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements.

*\*More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).*

## CORE-COURSE LIST

Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist). No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

## NONTRADITIONAL AND ONLINE COURSES

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on [your school/program's list](#) of NCAA-approved core courses.

## BE AHEAD OF THE GAME

- » Plan to register with the NCAA Eligibility Center at [eligibilitycenter.org](https://eligibilitycenter.org) before your freshman year of high school. Visit [on.ncaa.com/RegChecklist](https://on.ncaa.com/RegChecklist) to help guide you through the registration process.
- » After six semesters of high school, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.
- » For more information on Division II, visit [ncaa.org/D2](https://ncaa.org/D2).

## ADDITIONAL RESOURCES

- » [DI Academic Requirements flyer](#).
- » [DIII Amateurism flyer](#).
- » [International Initial-Eligibility flyer](#).

**Want more information? Visit**  
[ncaa.org/playcollegesports](https://ncaa.org/playcollegesports).



### CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec): 877-262-1492  
Monday-Friday, 9 a.m. to 5 p.m. Eastern time

[@ncaaec](https://twitter.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports) [@ncaaec](https://www.facebook.com/ncaaec)



# BUSINESS/ENGINEERING

## AP (ADVANCED PLACEMENT) COMPUTER SCIENCE PRINCIPLES

**Course #: 23715**

**Grade(s): 10, 11, 12**

**Credits: 1.0**

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. The curriculum focuses on Creativity, Abstraction, Data & Information, Algorithms, Programming, The Internet, and Global Impact. There are no prerequisites for this course and students are given the opportunity to select a coding language that best meets their interests and goals. The course prepares students for college and career through a unique focus on problem solving and real-world applications.

## BUSINESS & PERSONAL LAW

**Course #: 28106**

**Grade(s): 10, 11, 12**

**Credits: 0.5**

This class will explore the foundations of business law as well as the application of legal concepts to everyday life. Students will learn about ethics, constitutional law, criminal and civil law, with an emphasis on contract and consumer law.

## CAPSTONE/CAREER INTERNSHIP

**Course #: 28420**

**Grade(s): 12**

**Credits: 0.5**

This course is designed to provide students with a planned program of job training and other employment experiences related to the students postsecondary career and employment goals. It allows students the opportunity to consolidate and apply the learning from their high school coursework into a meaningful and relevant on-the-job experience. The course includes classroom based instruction in conjunction with an approved internship. The course curriculum is designed around national, state, and industry job skills, training and objectives. The job training experience is coordinated and monitored by the school through a contract with an employer/organization. Internships may vary in length based upon the opportunities for students. Students must be in good academic standing for graduation in order to enroll. This course may be repeated for credit.

## CIVIL ENGINEERING & ARCHITECTURE

**Course #: 28711**

**Grade(s): 9, 10, 11, 12**

**Credits: 0.5**

In Civil Engineering and Architecture students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common design and development protocols such as project management and peer review. Students will develop skill in engineering calculations, technical representation and documentation of design solutions according to accepted technical standards, and use of current 3D architectural design and modeling software to represent and communicate solutions.

## CYBERSECURITY

**Course #: 23745**

**Grade(s): 10, 11, 12**

**Credits: 0.5**

The course introduces tools and tactics to manage cybersecurity risks, identify various types of common threats, evaluate an organization's security, collect and analyze cybersecurity intelligence, and handle incidents as they occur.

## **ENGINEERING - PRINCIPLES OF ENGINEERING**

**Course #: 28750**

**Grade(s): 9, 10, 11, 12**

**Credits: 0.5**

This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

## **EXPLORING COMPUTER SCIENCE**

**Course #: 23732**

**Grade(s): 9, 10, 11, 12**

**Credits: 1.0**

This year long course will introduce you to the field of computer science and the fundamentals of computer programming. ECS is specifically designed for students with no prior programming experience, and exposes students to a diverse set of computational topics including: web design through HTML and CSS, Block Coding using software and robots, and Python. This year long class teaches students how to think algorithmically and solve problems efficiently.

## **FINANCE AND INVESTING**

**Course #: 28100**

**Grade(s): 11, 12**

**Credits: 0.5**

Through this one semester course, your role as a student, consumer, employee, and an active participant in the business world are explored. Discovering new ways to maximize your earning potential and developing strategies for managing your resources will allow you to build the foundation for effective personal financial management. The course provides students with strategies and steps to achieve financial success through investing. The goal is to seek maximum financial return from your money. Major emphasis includes stocks, bonds, mutual funds, savings accounts, credit, and tax implications. Research tools such as the National Association of Investors Corporation (NAIC), Morningstar, and numerous financial websites are utilized.

## **GAME DESIGN**

**Course #: 93733 (2nd Semester only)**

**Grade(s): 10, 11, 12**

**Credits: 0.5**

The Game Design course teaches the fundamentals of designing a game using Unity, the most widely accessed and preferred editing engine in the world. The intent of this course is to prepare high school students with the industry related skills needed for the workplace and higher learning environments. By the end of this course, they will understand the design planning process, be knowledgeable of industry related careers, and be able to navigate the Unity environment in order to create 3D games.

## **INTRODUCTION TO ENGINEERING DESIGN**

**Course #: 28721**

**Grade(s): 9, 10, 11, 12**

**Credits: 0.5**

In Introduction to Engineering Design, students explore engineering tools and apply a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students progress from completing structured activities to solving open-ended projects and problems that require them to plan, document, communicate, and develop other professional skills.

Students develop skills in technical representation and documentation especially through 3D computer modeling using a Computer Aided Design (CAD) application. As part of the design process, students produce precise 3D-printed engineering prototypes. Student-developed testing protocols drive decision-making and iterative design improvements. To inform design and problem solutions addressed in IED, students apply computational methods to inform design by developing algorithms, performing statistical analyses, and developing mathematical models. Students build competency in professional engineering practices including project management, peer review, and environmental impact analysis as part of a collaborative design team. Ethical issues related to

professional practice and product development are also presented.

## **INTRODUCTION TO BUSINESS**

**Course #: 28110**

**Grade(s): 10, 11, 12**

**Credits: 0.5**

This course acquaints students with the role of business among producers, consumers, and government in American society. Topics may include economics, banking, credit, management, consumerism, and career planning. Technology may be used in many of the hands-on projects.

## **LIVING IN A DIGITAL WORLD**

**Course #: 28160**

**Grade(s): 10, 11, 12**

**Credits: 0.5**

This course focuses on the innovative use of 21st century technology. Students will explore and experience Web 1.0, 2.0 and 3.0 tools to assist them in their educational and personal environment (including assessing the opportunities and potential issues with the use of technology). The course focuses on ever-changing technologies using real projects in the real world, resulting in real learning. Topic areas include, but are not limited to virtual communities; collaboration within a digital learning space; decision-making & problem-solving; evaluation skills for tools, resources, and research; digital footprint; fundamentals of web applications and resources; and digital citizenship.

## **MARKETING - SPECIAL EVENTS**

**Course #: 28200**

**Grades: 10, 11, 12**

**Credits: 0.5**

This course is intended for students who have an interest in sports, entertainment, and event marketing. Emphasis is placed on the following topics: economics of marketing, categories of sports, pricing and strategies, branding, licensing, planning and promoting, sports marketing careers, promotional mix, and entertainment marketing plan. Skills in communications and mathematics are reinforced in this course.

## **SMALL BUSINESS CREATION: BUSINESS MANAGEMENT**

**Course #: 28163**

**Grades: 10, 11, 12**

**Credits: 0.5**

The business component acquaints students with the role of business among producers, consumers, and government in American society. The business component of the Business Creation course is designed to provide a fundamental understanding of business management, managing, marketing, financing and communicating within a business environment. Skills taught will include communication, problem solving and decision-making, collaboration, financial document creation, and basic marketing principles.

## **PRINCIPLES OF MARKETING (DECA)**

**Course #: 28162**

**Grades: 10, 11, 12**

**Credits: 0.5**

Class will explore the fundamentals of marketing through current marketing technologies and real-world industry practices. Students will learn to apply effective marketing skills to create strategic plans for a large variety of business endeavors, aligning with national DECA standards and performance indicators.

# **COMMUNICATION**

## **COMMUNICATION: SPEECH AND DEBATE**

**Course #: 21402**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This public speaking course combines the traditional speech and debate classes into one comprehensive course. The speech component of the course emphasizes outlining, speech writing, vocal delivery skills and physical delivery skills. The debate component of the course will focus on the fundamentals of argumentation, debate, reasoning, and logic by researching topics of national and international significance and participate in various debate styles. An important goal is to help the student develop self-confidence while speaking in front of a group. Each semester will contain a variety of different styles and techniques of speech and debate skills. *\*This class can*

*be used as an applied arts credit*

## **FORENSICS**

**Course #: 21405**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

Forensics is an umbrella term that we use to include a variety of individual and small group speaking and interpretation performances. This class is co-curricular and can include participation on the competitive Forensics team in the winter and spring. The competitive aspects of forensics include the following kinds of speeches: informative, persuasive, impromptu, extemporaneous, sales, broadcast, poetry, prose, dramatic, storytelling, duo, multiple, original interpretation and pentathlon. *\*This course may be re-elected for additional credit.*

## **INTRODUCTION TO BROADCASTING**

**Course #: 28900**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course is intended to prepare students for WBFH staff and/or Composing Digital Narratives and Production. Students will be introduced to the basics of broadcast media in this course. Through creation of both radio and video/television products, students will gain an understanding of broadcast media through pre-produced and live content. Students will understand how audience, purpose and message differ when delivering content through different media. Students will also practice both pre-planned and extemporaneous speaking. Additionally, students will learn the video and audio elements of a production through the use of remote and studio equipment. Finally, students will hone their communication and technology skills through the use of industry standard editing and production software programs and equipment to convey compelling and ethically sound information. *\*This class can be used as an applied arts credit*

## **NEWSPAPER**

**Course #: 21603**

**Grades: 10, 11, 12**

**Credits: 1.0**

This course is a practicum that allows the student to apply journalism skills to the actual production of the school newspaper: The class includes news, features, editorial, and sports writing, in addition to photography, page design, and advertising sales and production. This is a full-year course where students may work up to editorial positions based on experience, ability, and leadership. *\*This course may be re-elected for additional credit.*

## **WBFH STAFF — Prerequisite: Intro to Broadcasting**

**Course #: 28901**

**Grades: 10, 11, 12**

**Credits: 0.5**

Students may apply to be on the staff after taking Introduction to Broadcasting. The WBFH Station Manager selects the WBFH staff and enrollment is limited. Staff students are scheduled for one class hour per day to the radio station and must be available for additional time after school as required by the staff. The student will gain actual hands-on experience in many aspects of radio broadcasting while on-the-air on the school district's FM radio station. *\*This class can be used as an applied arts credit* *\*This course may be re-elected for additional credit.*

## **YEARBOOK — Application required**

**Course #: 21604**

**Grades: 10, 11, 12**

**Credits: 1.0**

This course provides a unique classroom experience where students learn the fundamentals of yearbook production, including page design, copywriting, photo editing, advertising sales, public relations, and management. This is a full-year course with the publication of the school yearbook. *\*This course may be re-elected for additional credit.*

# DEAF AND HARD OF HEARING

These course offerings are for students enrolled in the Deaf and Hard of Hearing Program.  
Contact Trevor Harker, Supervisor Deaf and Hard of Hearing 248.520.9349 TTY: 248.339.4897

## DHH - ELECTIVES

### \*ACADEMIC REINFORCEMENT

**Course #: 29642**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This course is designed to provide classroom support for DHH students in either general education or DHH courses. The AR teacher maintains contact with the students' teachers. The student must come prepared to work on assignments and be knowledgeable of their grades and progress. The AR teacher may assign work to strengthen academic weaknesses in the student.

### \*TRANSITIONS

**Course #: 29597**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This course is designed to enhance the transition of Deaf and Hard of Hearing students to their post-high school graduation lives. The course will include opportunities for developing basic life skills, self-awareness, exploring personal interests, and will address job readiness skills needed to prepare students for personal and career success.

Areas that will be covered under life skills will include: social skills, daily living skills, problem solving skills, and consumer education. Students will leave this class with their own personal folder that will include a directory of services for the DHH, a resume, and a personal phone directory.

Students will complete a career interest inventory, research a career of interest for themselves, learn the importance of goal setting, learn job behaviors necessary for successful employment and become more aware of the variety of career options that may relate to their personal interests. Deaf guest speakers will be invited to share their careers.

Part 2 includes part-time job experiences in the community. This would give students an opportunity to apply what they have learned before exiting the school system into the community.

### \*WORK STUDY

**Course #: 29689**

**Grades: 12**

**Credits: 0.5 or 1**

A program of on-the-job training only available to students who are assigned by their case coordinator. Credit is determined by the extent of the work experience. Work study credit may be earned either during school or after the regular school day. The grade for the course will be pass/fail.

## DHH - ENGLISH

### **\*BASIC SKILLS**

**Course #: 29610**

**Grades: 9, 10, 11, 12**

**Credit: 0.5**

This course will include recognition and reading of signs, labels, directions, schedules, menus, and specific newspaper information.

### **\*BASIC ENGLISH**

**Course #: 29611**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This course will include instruction in understanding basic directions, using TTY technology, writing requests/questions, completing applications and emergency forms, and taking specific kinds of tests. This class will also include the study of vocabulary, grammar, short stories, and study skills.

### **\*ENGLISH I**

**Course #: 29608**

**Grades: 9, 10**

**Credit: 1.0**

This two-semester course includes five major areas of study: grammar, literature, composition, study skills, and vocabulary. Students will be taught how to write complete sentences, narrative and explanatory paragraphs, and character analysis. These writing assignments will model the literature to which the students will be exposed and will reinforce their study of grammar and vocabulary. Students will use technology to access the Internet for research.

### **\*ENGLISH II**

**Course #: 29614**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This two-semester course includes five major areas of study: grammar, literature, composition, study skills, and vocabulary. Students will be taught how to write simple and compound sentences in which the subject and verb agree. Students will also be taught how to write descriptive and argumentative paragraphs, book reviews, personal essays, and research papers. Students will use the Internet as one of their resources. These writing assignments will reinforce and integrate the student's eight parts of speech, study skills, and vocabulary. To encourage the appreciation of good literature, the student will study comprehension and interpretation of several short stories and a novel.

### **\*ENGLISH SKILLS**

**Course #: 29600**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This course continues to develop reading and writing skills as well as vocabulary, grammar, and composition. In this course students will be taught how to recognize setting and cause/effect. Students will learn how to make and support judgments about the characters, content, and theme in short stories. Students will learn study skills and how to organize information. Students will be required to use computer techniques to complete an autobiography.

## DHH English (continued)

### **\*ENGLISH III**

**Course #: 29617**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This two-semester course includes five major areas of study: grammar, literature, composition, study skills, and vocabulary. Students will be taught how to write a three-paragraph essay, an autobiography, and a short story. These writing assignments will model the literature to which students will be exposed, and will reinforce their study of grammar and vocabulary. A research paper employing the most recent media technology available will be written.

### **\*LITERACY I**

**Course #: 29605**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This two-semester course includes five major areas of study: grammar, literature, composition, study skills, and vocabulary. Students will be taught how to write complete sentences, narrative and explanatory paragraphs, character analysis, and a short research paper incorporating technology. These writing assignments will model the literature to which the students will be exposed and will reinforce their study of grammar and vocabulary.

### **\*LITERACY II**

**Course #: 29649**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This two-semester course includes five major areas of study: grammar, literature, composition, study skills, and vocabulary. Students will be taught how to write simple and compound sentences in which the subject and verb agree. Students will also be taught how to write descriptive and argumentative paragraphs, book reviews, personal essays, and research papers. Online publishing opportunities will be available. These writing assignments will reinforce and integrate the student's study of the eight parts of speech, study skills, and vocabulary. To encourage the appreciation of good literature, the student will study comprehension and interpretation.

### **\*LITERACY III**

**Course #: 29604**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This two-semester course includes five major areas of study: grammar, literature, composition, study skills, and vocabulary. Students will be taught how to write a three-paragraph essay, an autobiography, and a short story. These writing assignments will model the literature to which students will be exposed, and will reinforce their study of grammar and vocabulary. A research paper employing the most recent media technology available will be written.

### **\*LITERATURE**

**Course #: 29628**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

In this two-semester course, attention will be given to comprehension, critical reading, and enrichment of literary skills. Students will be expected to identify the following elements in a story: plot, setting, climax, characterization, conflict, point of view, irony, theme, and mood. In addition, students will learn the following terms and be able to find examples in the literature they read: alliterations, characterization, figurative language, flashback, foreshadowing, imagery, irony, metaphors, similes, onomatopoeia, personification, surprise ending, and symbolism. Students will be encouraged to respond to literature by using the writing process, which will include compositions, comparison and contrast, character analysis, essays, new ending for a play/story, a speech, and a sports report. A research paper employing the most recent media/ technology available will be written.

## DHH English (continued)

### **\*LITERATURE II**

**Course #: 29609**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This course addresses the needs of students at different levels of competency in the areas of composition, literature, grammar and vocabulary. Writing assessments will stimulate critical thinking and self-expression as well as reinforce grammatical, mechanical, and vocabulary skills. Literature study concentrates on comprehension, interpretation, and appreciation. Receptive and expressive skills will be reinforced through formal and informal presentations.

### **\*READING SKILLS**

**Course #: 29613**

**Grades: 10, 11, 12**

**Credit: 1.0**

This class continues to expand vocabulary and increase reading comprehension in content areas. Further emphasis is given to reading for information and evaluating reading material. Pragmatic materials are read for understanding such as sections of the newspaper, labels, recipes, menus, signs, and directions on products.

Note: A unit of "Deaf Studies" may be included with readings on the history of Deafness, lives of Deaf people, writings of Deaf authors, and the nature and causes of Deafness. As with all reading and language classes, materials are selected appropriate to the individual student's needs and abilities.

### **\*WRITING/LITERATURE I**

**Course #: 29615**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

In this two-semester course students will continue to develop reading comprehension, critical reading, and literary skills. Students will be expected to identify the literary elements of a story. In addition the students will continue to learn the various literary terms and recognize examples of each within text. Students will respond to literature using the writing process. Receptive and expressive language skills are reinforced through formal and informal presentations.

### **\*WRITING/LITERATURE II**

**Course #: 29616**

**Grades: 9, 10, 11, 12**

**Credit: 1.0**

This course continues to meet the needs of students at different levels of competency in the areas of composition, literature, grammar and vocabulary. Writing assessments will continue to stimulate critical thinking and self-expression as well as reinforce grammatical, mechanical, and vocabulary skills. Literature study continues with focus toward comprehension, interpretation, and appreciation. Receptive and expressive skills will be reinforced through formal and informal presentations.



## DHH—HEALTH

### **\*BASIC HEALTH**

**Course #: 29659**

**Grades: 9, 10**

**Credits: 1.0**

This course is a study of human physiology and growth and development. Maintaining a healthy body is emphasized. Included is a unit on sexual growth and development. The role of good nutrition, exercise, and basic first aid is presented along with the effects of disease and illness, drugs, alcohol, and medication. Students will create a nutrition profile using computer software. Good health practices, protection against accidents and disease, and a study of medical procedures and costs will help students know how to obtain medical and dental care when needed.

### **\*HEALTH**

**Course #: 29652**

**Grades: 9, 10**

**Credits: 0.5**

This course is a study of human physiology and growth and development. Maintaining a healthy body is emphasized. Included is a unit on sexual growth and development. The role of good nutrition, exercise, and basic first aid is presented along with the effects of disease and illness, drugs, alcohol, and medication. Students will create a nutrition profile using computer software. Good health practices, protection against accidents and disease, and a study of medical procedures and costs will help students know how to obtain medical and dental care when needed.

## DHH - MATHEMATICS

### **\*ALGEBRA I**

**Course #: 29631**

**Grades: 9, 10, 11, 12**

**Credits 1.0**

In this course, the student will study the four basic operations using real numbers, solutions of first and second-degree equations, solutions of linear systems, simplification of expressions involving exponents and radicals, algebraic fractions, graphing linear equations, and application of these skills to the solution of verbal problems.

### **\*ALGEBRA II**

**Course #: 29630**

**Grades: 11, 12**

**Credits 1.0**

This course is intended for students who plan to pursue a course of study that requires advanced algebra skills. The student will study in more detail the topics of Algebra I, as well as polynomial, exponential and logarithmic functions and complex numbers. Trigonometry plus arithmetic and geometric series and sequences will also be included as time permits.

### **\*ALGEBRA IIA**

**Course #: 29639**

**Grades: 11, 12**

**Credits 1.0**

This course offers a more concrete exploration of many of the topics in Algebra II including linear, quadratic, polynomial, exponential and trigonometric functions; data analysis and statistics. Conic sections and series and sequences may also be included. This is the first year of a two year Algebra II sequence.

### **\*ALGEBRA IIB**

**Course #: 29640**

**Grades: 12**

**Credits 1.0**

This course offers a more concrete exploration of many of the topics in Algebra II including linear, quadratic, polynomial, exponential and trigonometric functions; data analysis and statistics. Conic sections and series and sequences may also be included. This is the second year of a two year Algebra II sequence.

## **\*BASIC GEOMETRY**

**Course #: 29637**

**Grades: 10, 11, 12**

**Credits 1.0**

Basic Geometry offers a more concrete study of units. Topics of study include congruence and similarity, parallel lines, circles, regular polygons, geometric solids, perimeter, area, and volume. Students will learn vocabulary specifically related to geometry. They will learn the use of a compass and protractor in geometric constructions.

## **\*BASIC MATH**

**Course #: 29632**

**Grades: 9, 10, 11, 12**

**Credits 1.0**

This course includes the study of place value, addition, subtraction, and multiplication and division of whole numbers. Measurement using whole numbers is reviewed, as well as time and money concepts. Short story problems are included in each of the selected areas.

## **\*GEOMETRY**

**Course #: 29638**

**Grades: 10, 11, 12**

**Credits: 1.0**

Geometry is a course presented in an investigative and application-orientated format. Students will use compasses and protractors for geometric constructions and problems. Topics in this course include the study of parallel lines, circles, regular polygons, geometric solids, perimeter, area, and volume. Advanced topics will include geometric inequalities, coordinate planes, transformations, symmetry, and basic trigonometry.

## **DHH Mathematics (continued)**

### **\*HIGH SCHOOL MATH I**

**Course #: 29633**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

Students will be studying addition and subtraction of whole numbers and decimals, multiplying whole numbers and decimals, and dividing whole numbers and decimals. Students will study addition, subtraction, multiplication, and division of fractions. Students will also study the metric measurement system. There will be a unit on math language and story problems. The amount of material covered is based on the progress of the class.

### **\*HIGH SCHOOL MATH II**

**Course #: 29636**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This course is a continuation of High School Math I. A review of fractions or a continuation of fractions covered in High School Math I will begin the year. This yearlong course focuses on graphing, statistics, ratio and proportion, percent, and probability. Basic equations, integers, and basic geometry are included in this course.

### **\*PRACTICAL MATH**

**Course #: 29635**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This course includes a review of basic math skills that will be applied to real-life math situations. Math applications will include keeping household and personal records such as shopping lists, bank accounts, simple budgets, and income tax records. Kitchen and household measurements, unit pricing, comparison shopping, and sale pricing are also included. Money skills are developed to compute wages, such as payroll deductions, elapsed time concepts in hourly pay rates, and understanding the abbreviations commonly recorded on paycheck stubs. The operation and application of the directional compass are emphasized as well. Computers will be utilized in this course.

### **\*PRE-ALGEBRA I**

**Course #: 29634**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

In Pre-Algebra I, students will review vocabulary and operations which pertain to algebra. Students will also review factoring, fractions, and rational numbers. Students will study integers, equations, inequalities, and polynomials.

Class work will also include applying algebra to geometry.

## **\*PRE-ALGEBRA II**

**Course #: 29686**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

Pre-Algebra II is a continuation of the course work in Pre-Algebra I. The second year will require students to incorporate strategies and procedures learned in the previous course. Students will be exposed to multi-step equations and inequalities. Proportions, statistics, probabilities, polynomials, and systems of coordinates and equations will be introduced.

## **DHH - SCIENCE**

### **\*ANATOMY**

**Course #: 29655**

**Grades: 9, 10, 11, 12**

**Credits 1.0**

The course covers the physical basis of life, and the anatomy and physiology of the following systems: skeletal, muscular, nervous, respiratory, circulatory, digestive, excretory, endocrine, cardiovascular, urinary and integumentary system. The complementary nature of the structure and function of these systems within the body will be addressed.

### **\*BIOLOGY**

**Course #: 29651**

**Grades: 9, 10, 11**

**Credits 1.0**

This course stresses the major concepts of science, giving the student a basic scientific understanding of his/her world. Some of the units of study will deal with cell structure, growth and reproduction, heredity and genetics, plants and animals, microbiology, evolution, homeostasis, ecology, and the scientific method of inquiry. Students will create a presentation using computers and PowerPoint™ on some of the topics discussed.

### **\*CHEMISTRY**

**Course #: 29654**

**Grades: 11, 12**

**Credits 1.0**

This class teaches the student safe and proper laboratory techniques while addressing the questions, "What is the world composed of?" and, "How do the observable properties of chemicals relate to their composition?" Students will use current technology to collect data and input information into a computer. They will then be required to create graphs and reports from the collected data.

### **\*EARTH SCIENCE**

**Course #: 29656**

**Grades: 9, 10, 11, 12**

**Credits 1.0**

This course is laboratory based. Students will study the composition, structure, physical properties, history, and the processes that shape Earth's components. In the course of the class geologic history, water systems, plate tectonics, volcanoes, earthquakes and natural resources will be covered.

### **\*PRACTICAL SCIENCE**

**Course #: 29655**

**Grades: 11, 12**

**Credits 1.0**

This course is an overview of activities and projects that expose the student to concepts in force and motion, work and machines, heat, sound and light, electricity, magnets and electromagnetism. This course focuses on specific skills in communication and interpretation of data, classification, prediction, and observation. Class projects include bridge building and launch, and CO2 car building and racing.

# DHH SOCIAL STUDIES

## **\*BASIC ECONOMICS**

**Course #: 29449**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

In this year long course, students will explore the basic principles of economics. Students will examine the reasons that an economy develops and the effects it has on people and their community. Topics discussed will include wants and needs, opportunity costs, scarcity, goods and services, factors of production, specialization, resources, supply and demand, surplus, bartering, banking, consumers, producers and foreign trade. Activities will include hands on projects, DVD lessons, online activities and product evaluations.

## **\*BASIC U.S. GOVERNMENT**

**Course #: 29690**

**Grades: 11, 12**

**Credits: 0.5 or 1.0**

This government course is focused on the basic fundamentals of government. It includes the study of rules and laws, taxes, developing responsibility, decision-making, voting, and the selection of leaders. Also included is an overview of community agencies and services available to the Deaf and hard-of-hearing. Students will access information through the use of current technology.

## **\*BASIC U.S. HISTORY**

**Course #: 29676**

**Grades: 9, 10, 11**

**Credits 1.0**

This two-semester course is designed to give students an overview of the time and events in U.S. history, including the cultural contributions of Native, African, and Asian Americans. Special emphasis will be placed on the men and the women who played significant roles in American history. This class will focus on cause and effect relationships to help students understand how all the facts can be connected. Vocabulary practice, critical thinking skills, maps, timelines, charts, and graphs will be included as part of this course. Students will incorporate technology into their special projects.

## **\*CURRENT ISSUES**

**Course #: 29667**

**Grades: 11, 12**

**Credits: 1.0**

This course gives students the opportunity to expand their knowledge of local, national, and world issues. They can access information through a variety of media sources including newspapers, television, videotapes, filmstrips, periodicals, and computers. Students are required to differentiate between fact and opinion as well as analyze and evaluate their sources of information.

## **\*ECONOMICS**

**Course #: 29678**

**Grades: 11, 12**

**Credits 1.0**

Students will learn how economics function and how to apply the concepts and principles of economics to their lives as individuals and citizens. The course will emphasize four areas. Microeconomics will be examined in the study of the market system based on scarcity, opportunity cost, and the interactions of buyers and sellers. Macroeconomics will be examined in the study of the national economy including inflation, unemployment, monetary and fiscal policies, and the Federal Reserve. International economics will be examined through the topics of specialization and trade.

## **\*GOVERNMENT**

**Course #: 29666**

**Grades: 11, 12**

**Credits 1.0**

This course includes a study of the purpose of government, the Constitution, the Bill of Rights, and political parties. The rights and duties of citizenship are also emphasized. Students explore the structure of government and the division of power at the federal, state, and local levels. Students will use technology to access advocacy agencies, locate political representatives, and respond to government issues.

## DHH Social Studies (continued)

### **\*U. S. HISTORY**

**Course #: 29664**

**Grades: 10, 11**

**Credits: 1.0**

This two-semester course will cover the time and events in U. S. history from the cultural heritage of Native Americans to American achievements in world leadership and technology. Special emphasis will be placed on the men and women who played significant roles in American history. This class will focus on cause and effect relationships to help students understand how all the facts can be connected. Vocabulary practice, critical thinking skills, maps, timelines, charts, graphs, and journal writing will be included as part of this course. U. S. History may also give experiences in taking an opinion poll, writing a biography, and designing and presenting an invention. Students will use available technology and media when designing special projects.

### **\*WORLD HISTORY**

**Course #: 29660**

**Grades: 9, 10**

**Credits: 1.0**

This course is designed to give students a review of map skills. Also reviewed will be unit information on landforms, climates, physical characteristics, and resources. Students will then apply these aspects to examine various countries and areas within the Eastern Hemisphere. Cultural studies will include an examination of language, religions, diet, occupations, customs, education, and recreation as it applies to each country/area. Activities to expose students to culture and customs will be included in this course. Students will make use of computer technology to investigate countries and current information.

# ENGLISH

## 21ST CENTURY MEDIA LITERACY

**Course #: 21700**

**Grades: 11, 12**

**Credits: 0.5**

This course will empower students as critical media consumers in today's rapidly evolving world. By connecting the principles of media literacy with English Language Arts practices, the course will equip students with the skills to critically analyze and thoughtfully engage with all forms of media – print, visual, audio, interactive, and digital. Media literacy is multifaceted and is an increasingly important skill in today's evolving technological landscape. This exploration may include understanding and critically engaging with artificial intelligence (AI); understanding media bias and social media, analyzing and utilizing persuasive techniques (rhetoric); and examining and utilizing non-print texts for analysis and storytelling. Students in this course will be asked to consume and analyze a variety of non-fiction media critically and to use 21st-century literacy skills across multiple media platforms.

## ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

**Course #: 21267**

**Grades: 11, 12**

 **Credits: 1.0**

The purpose of this course is to help students “write effectively and confidently in their college courses across the curriculum and in their professional and personal lives” (The College Board, AP® English Course Description, p.6). The course is organized according to the requirements and guidelines of the current AP English Course Description, and therefore, students are expected to read critically, think analytically, and communicate clearly both in writing and speech. This course looks at the ways writers use language, style, and rhetoric to create meaning. Through this course, students will become mature and sophisticated consumers and creators of a variety of texts with an emphasis on non-fiction.

## ADVANCED PLACEMENT LITERATURE AND COMPOSITION

**Course #: 21268**

**Grades: 12**

 **Credits: 1.0**

This course gives students the opportunity to pursue college-level composition and literature. It prepares students to receive advanced placement standing and/or credit upon entering college by taking one or both of the Advanced Placement examinations. Students read and critically evaluate selected classics; writing assignments stress selection, evaluation, and organization of evidence to develop skills in critical analysis, forceful argument, and clear explanation.

Students who choose, but are not required to enroll in AP World History or AP European History will see connections between the content of AP Literature and Composition and these social studies elective courses. Students will experience interdisciplinary learning when appropriate.

## CREATIVE WRITING – *Cannot be repeated*

**Course #: 21511**

**Grades: 11, 12**

 **Credits: 0.5**

This course is designed for both the beginning and seasoned writer. It emphasizes the student's writing of poetry, short stories, one-act plays, sketches, and essays. Course assignments will further stress exactness, concreteness, and clarity of expression. Each student may compile a portfolio of work, produce individual anthologies, contribute to a class anthology, enter writing contests, and/or strive for publication.

## DIGITAL NARRATIVES AND PRODUCTIONS (BHS-TV NEWS)

**Course #: 21521**

**Grades: 10, 11, 12**

 **Credits: 1.0**

The course focuses on the various elements related to digital editing and digital narratives. Within the class, students will create digital stories containing a mixture of electronic images, text, recorded audio narration, video clips, and/or music. Students will be exposed to the tools and techniques of producing digital media in the TV Studio and on location, and they will become familiar with digital editing software. Students will produce, write, record, and edit original digital story productions that will include school newscasts, Public Service

Announcements (PSAs), and commercials. Media literacy skills and the effects of stories on self and society will be explored via typed reflections and discussions related to viewing and media experiences. The focus is upon using technology tools to design and communicate stories. Students should take Introduction to Broadcasting in advance of this course. *\*This class can either be used as an English or as an applied arts credit.*

## ENGLISH 9

**Course #: 21220**

**Grades: Required 9**

 **Credits: 1.0**

This two semester course addresses the needs of all of our students at different levels of competence in the areas of composition, literature, grammar, and vocabulary. Writing assignments will stimulate critical thinking, self-expression and reinforce grammatical, mechanical, and vocabulary skills. Literature study concentrates on comprehension, interpretation, and appreciation. Speaking and listening skills are reinforced through formal and informal presentations.

## ENGLISH 10: AMERICAN LITERATURE 1600's – Present (taken with AP US History)

**Course #: 21236**

**Grades: 10**

 **Credits: 1.0**

American Literature will have timelines and skills aligned with either US history or AP US History depending on the student's social studies selection. The English and history teachers will collaborate on several units throughout each semester so that all students will benefit from a shared interdisciplinary experience.

This course will introduce students to the major literary periods in the development of American Literature. Students will study the characteristics, works, and significant authors of each of the historical periods, as well as the major philosophical trends that both permeate and transcend each period in American literary history. Writing assignments, projects, activities and reading will stimulate critical thinking and self-expression and reinforce grammatical, mechanical, and vocabulary skills.

Students in AP US History and American Literature will study literature that explores the cultural and intellectual experiences of authors, genres, literary impact, and historical influences of the colonial times to the present.

Regardless, students will trace thematic, historical, social, cultural, and philosophical influences from early American to 20th Century literature. In addition to the analysis of the author's use of literary elements as they contribute to a variety of themes; the application of readings to two major themes: and the investigation into the shifting of American identity and the American dream. Students will also write a number of essays and other creative pieces relating to the issues presented in the course, explore and apply skills and techniques for research papers. Lastly, students will continue to develop writing skills, particularly in the areas of structure, style, context, and language conventions.

## ENGLISH 10: AMERICAN LITERATURE 1900's – Present ( taken with US History)

**Course #: 21238**

**Grades: 10**

 **Credits: 1.0**

American Literature will have timelines and skills aligned with either US history or AP US History depending on the student's social studies selection. The English and history teachers will collaborate on several units throughout each semester so that all students will benefit from a shared interdisciplinary experience.

This course will introduce students to the major literary periods in the development of American Literature. Students will study the characteristics, works, and significant authors of each of the historical periods, as well as the major philosophical trends that both permeate and transcend each period in American literary history. Writing assignments, projects, activities and reading will stimulate critical thinking and self-expression and reinforce grammatical, mechanical, and vocabulary skills.

Students in US History and American Literature will study literature that explores the cultural and intellectual experiences of authors, genres, literary impact, and historical influences of the period of industrial growth after the Civil War to the present.

Regardless, students will trace thematic, historical, social, cultural, and philosophical influences from early American to 20th Century literature. In addition to the analysis of the author's use of literary elements as they contribute to a variety of themes; the application of readings to two major themes: and the investigation into the

shifting of American identity and the American dream. Students will also write a number of essays and other creative pieces relating to the issues presented in the course, explore and apply skills and techniques for research papers. Lastly, students will continue to develop writing skills, particularly in the areas of structure, style, context, and language conventions.

## ENGLISH 11

**Course #: 21237**

**Grades: 11, 12**



**Credits: 1.0**

This course will focus on specific genre studies such as contemporary issues, autobiography and memoir, science fiction and fantasy, non-fiction, women's literature, and multicultural literature. The literature will enhance students' critical thinking and reading skills as well as enhance their vocabulary. The course will also focus on the writing skills necessary for growth as an academic writer. The assignments will allow students to gain more experience in informational, argument, and narrative writing. Written assignments will also reinforce and enhance students' vocabulary as well as their grammatical and mechanical skills.

## ENGLISH 12

**Course #: 21243**

**Grades: 12**



**Credits: 1.0**

This course will present a variety of genres and text-types through the study of short stories, novels, poetry, drama, and essays. Through these texts, students will explore contemporary issues and social commentary. The course will also focus on the writing skills necessary for growth as an academic writer. The assignments will allow students to gain more experience in information, argument, and narrative writing. Speaking and listening skills will be developed through in class discussions, presentations, and projects.

## FILM AND COMPOSITION: A SOCIAL PERSPECTIVE

**Course #: 23243**

**Grades: 11, 12**

**Credits: 0.5**

This course focuses on the macro analysis of the film industry. Serving primarily as an exploration of the way rhetoric and film language works within the film as a whole (narrative) or in relation to a group of films (genre). Students delve into aspects of representation, identity, and larger patterns within film (themes) to determine the ways in which films message us about the industry, society and the media type as a whole. Selected films range from classics to modern works, both American and foreign. One semester course; students will receive one half credit in English. May NOT be repeated. Note: This class may contain material that can be sensitive and controversial in nature and discusses contemporary issues.

## FILM AND COMPOSITION: A TECHNICAL PERSPECTIVE

**Course #: 23240**

**Grades: 11, 12**

**Credits: 0.5**

This course focuses on the micro analysis of the production techniques used to create meaning in an individual film scene and movie as a whole. Serving as an introduction to film theory and history, students explore the techniques of evaluating and appreciating film with a focus on written review critique. Students learn what constitutes a well-crafted film, including mise-en-scene, cinematography, and lighting, among other focuses. Selected films range from classics to modern works, both American and foreign. One semester course; students will receive one half credit in English. May NOT be repeated.

## FILM PRODUCTION

**Course #: 23288**

**Grades: 10, 11, 12**



**Credits: 0.5**

Students will create and produce their own (original) projects, including short films, documentaries, television programs, and new media productions (e.g., YouTube, etc.). Students will learn and participate in the production cycle, from ideas to final products. Students will hone their communication and technology skills through the use of industry standard editing and production software programs and equipment to convey compelling productions. In addition to developing the ability to analyze film, students will have the opportunity to explore multiple roles in



the production process: acting, writing, producing, and editing. After gaining broad exposure to the process, students will have the opportunity to focus on a particular role. *\*This class can either be used as an English or as an applied arts credit.*

## GLOBAL STUDIES AND SOCIAL ACTION: A LITERARY AND HISTORICAL PERSPECTIVE

**Course #: 21231**

**Grades: 11, 12**



**Credits: 1.0**

This course will explore the contemporary issues of the world and students' place in said world. This is an interdisciplinary, team-taught course that builds group problem-solving skills and, at the same time, challenges a student to overcome perceived personal fears and limitations. The vehicles for these changes include the low- and high-ropes initiatives on the District ropes course. With a lens of social injustice students will develop an understanding of the historical, literary, political, cultural, and financial impact of social injustice on those directly or indirectly involved, and the continued impact that can be seen in our modern society. The course will end with a heavy focus on altruism and action. Note: This class contains material that can be sensitive and controversial in nature and discusses contemporary issues.

## IB ENGLISH HL I

**Course #: 21664**

**Grades: 11, 12**



**Credits: 1.0**

Ready to be challenged with pre-college content in a classroom setting that simulates your future undergraduate academic life? An art in itself, your discussion of literature will demand your clear expression of ideas in both oral and written form. Together, we will explore literary works as art pieces and their authors as craftsmen. Your conceptions, interpretations and experiences in the world will enrich your explorations and conversations of literary texts, themselves, in all of their complex layers.

With international-mindedness as the driving force, you will work in inquiry-based activities to form an on-going intellectual, ideological and global conversation. Much of your research, writing and oral discussion/presentation will be directed by you as you employ literary analysis strategies to create original, text-based explication and response to literature in its many cultural contexts.

For all Diploma Programme candidates, this is a required course, the first year of a two year sequence. Students who are interested in taking the IB certificate exam must take both years I & II of the HL course. This course is open to all 11th and 12th grade students.

## IB ENGLISH HL II

**Course# 21665**

**Grades: 12**



**Credits: 1.0**

This course focuses on written and spoken literary analysis as well as reader response commentary. Diverse fiction and non-fiction literature, as well as its place in history and culture, is at the heart of this course. Students will continue development of their close reading, research, analysis and presentation strategies and skills. The course will prepare students for internal assessments that include an IOC (Individual Oral Commentary) as well as external written essay exams. Superb preparation for college literature and writing courses, this senior year class capitalizes on the reading, writing and presenting activities that the students experienced in their junior year IB English HL I course.

## PROFESSIONAL LEARNING PATHWAYS: BIOMED II ENGLISH

**Course #: 20215**

**Grades: 12**

**Credits: 1.0 English**

The Biomedical Pathway provides students with multiple opportunities to engage in experiential learning and develop the transformative knowledge and skills to be literate in any biomedical profession. Students enrolled in the program will collaborate with medical professionals, university personnel, and district educators to develop the knowledge and skills required for biomedical careers in the 21st century. This course is taken with Pathways: Biomed II English. *\*All year/ 1 Credit Science, 1 Credit English*

## **PROFESSIONAL LEARNING PATHWAYS: MEDIA ARTS I**

**Course# 20200**

**Grades: 11, 12**

**Credits: 1.0**

The Media Arts pathway invites students to investigate and produce media content. From historical and cultural study to hands-on production, students in the program will produce original content as well as understand how media is created, for which express purpose, directed for a specific audience and to deliver a desired message.

## **PROFESSIONAL LEARNING PATHWAYS: MEDIA ARTS II**

**Course# 20214**

**Grades: 11, 12**

**Credits: 1.0**

The Media Arts pathway invites students to investigate and produce media content. From historical and cultural study to hands-on production, students in the program will produce original content as well as understand how media is created, for which express purpose, directed for a specific audience and to deliver a desired message.

Prerequisite: Media Arts I

## **READING & WRITING**

**Course#: 21308**

**Grades: 9**

**Credits: 1.0**

This yearlong course combines the content of a ninth grade English class with the workshop component of a reading intervention program. Students will master reading, writing, and discussion goals set according to their current levels. Students will learn how to think critically about text, how to make inferences, and how to analyze author's decisions. Students will learn how to read both informational text and literature, and how to write essays for a variety of purposes. Research-based practices will be utilized to increase student reading levels while the students learn skills and content found in the common core standards.

## **WOMEN'S STUDIES & LITERATURE**

**Course #: 24238**

**Grades: 11, 12**

**Credits: 1.0**

This year long course will explore historical and modern day gender issues in society. Common themes include: destructive stereotypes of men and women, historical gender roles and their continuing influence, gender in advertising and film, body image, violence, and issues in the workplace. Producing powerful expository, research and creative writing pieces will be focuses of study. Students will also design individual projects based on books or topics that have personal interest and meaning.

# ENGLISH LANGUAGE DEVELOPMENT

## ELD – ACADEMIC VOCABULARY

**Course #: 29395**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

This course is intended for English learners who are at a level 1 or 2 of English proficiency. The course focuses on teaching vocabulary and concepts for studying history, science and math in a U.S. high school environment. Academic language skills continue to be developed in this course through listening, speaking, reading and writing activities and assignments. This course may be repeated for general elective credit.

## ELD – ENGLISH I

**Course #: 21695**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This two-semester course is for English Learners at proficiency levels 1 to 3. The course is aligned with ELA and ESL state standards and it is designed to develop the basic communicative skills of English Learners. Students learn to use English as a tool to access and express knowledge and information with a focus on English grammar. The course will develop the skills of speaking, listening, reading and writing in an integrated manner. Non-verbal methods of communication will also be studied. This is a yearlong course with credit in English.

## EL D– ENGLISH II

**Course #: 21795**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This is a yearlong course for English learners at levels of proficiency 2 to 4. The course will assist students in developing their speaking, listening, reading and writing skills. Aligned with ELA and ESL state standards, the course will focus on American literature, as well as the development and refinement of students' academic and literacy skills necessary for high school graduation. This is a two-semester course with credit in English.

## ELD – MATH SKILLS

**Course #: 23295**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

This course is for English learners who may not yet be proficient in the English language. It is designed to help prepare the student for the rigorous math sequence required for high school graduation. This course covers vocabulary necessary to excel in Algebra 1 and Geometry along with basic math concepts needed throughout the high school math sequence.

## ELD – NEWCOMERS ENGLISH

**Course #: 21595**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This course is for students at English proficiency levels 1 or 2 needing instruction for the acquisition of basic English. Emphasis is based on developing the necessary skills in oral and written language to support literacy in English. *This is a semester long course for general elective credit and may be repeated.*

## ELD – SOCIAL STUDIES SKILLS

**Course #: 26895**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

This course is for English learners who are at Level 1 or 2 of English proficiency. This course focuses on teaching vocabulary and concepts for studying history and geography in a U.S. high school. Academic language skills continue to be developed in this Newcomers' social studies course through listening, speaking, reading, and writing activities and assignments. *The course may be repeated for general elective credit.*

## ELD – STRATEGIES

**Course #: 29295**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

In addition to developing English learners' academic language skills, this course offers students the opportunity to receive support and assistance with their general education classes, enabling them to fully participate in the high

school curriculum. Emphasis is placed on pre-teaching vocabulary used in the students' coursework, identifying key concepts, completing homework, and preparing for assessments. The goal is for the learner to experience academic success while adjusting to another language and culture. *This course may be repeated for general elective credit.*

## **ELD U.S. HISTORY**

**Course#: 26795**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

The ESL U.S. History course is designed to develop communicative and written skills in English by studying American history. English learners will further develop their academic language skills by exploring and reading about current events and comparative governments. Various materials will be used in order to meet the needs of students with varying levels of English proficiency. The course satisfies the U.S. History requirement necessary for graduation and offers Social Studies credit.

## **ELD WORLD HISTORY**

**Course #: 26995**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

The ESL World History course is designed to develop communicative and written skills in English by studying world history. English Learners will further develop their academic language skills by exploring and reading about current events and comparative governments. Various materials will be used in order to meet the needs of students with varying levels of English proficiency. This course satisfies the World History requirement necessary for graduation and offers Social Studies credit.

# GENERAL ELECTIVES

## ALGEBRA I EXTENSION

**Course # 23319**

**Grades: 9**

**Credits: 1.0**

This course will support student efforts in Algebra 1. The students will receive additional instruction and practice problems as necessary. Khan Academy may be a supplemental resource as it aligns with the curriculum. Students must be currently enrolled in Algebra 1.

## ALGEBRA II EXTENSION

**Course #: 23317**

**Grades: 11, 12**

**Credits: 1.0**

This course will support student efforts in algebra 2. The students will receive additional instruction and practice problems as necessary. Khan Academy may be used as a supplemental resource as it aligns to the curriculum as well as preparation for the SAT.

## CALCULUS EXTENSION

**Course #: 23606**

**Grades: 11, 12**

**Credits: 1.0**

This class will support student efforts in Calculus, AP Calculus AB, and AP Calculus BC. The students will receive additional instruction, practice problems, and practice AP exams. Khan Academy will be used as a supplemental resource as it aligns to the curriculum. May be repeated for additional credit.

## IB CORE STUDIES I

**Course # 20010**

**Grades: 11**

**Credits: 1.0**

This course is required of all DP Candidates in the first year of the programme. Students will begin their study of Theory of Knowledge (TOK) where they explore the nature of knowing by examining their own abilities as knowers, individually, and as members of a knowledge community. Students will be introduced to the construction of knowledge as a cognitive process that organizes the Ways of Knowing into frameworks of understanding commonly accepted as knowledge. Within these frameworks, and in endeavoring to construct their own, students will explore connections to an inter-connections between the Areas of Knowledge as it applies to coursework in their other Diploma Programme courses and TOK. (50+ hours) Students will also begin their inquiry, research, and academic writing development necessary to successfully complete their Extended Essay. Lastly, the students will work collaboratively to begin their Creativity, Activity, and Service (CAS) requirement as Diploma Programme Candidates. This course will provide collaborative and interdisciplinary opportunities for students to build community and relationships within their learning cohort.

## IB CORE STUDIES II

**Course#: 20011**

**Grades: 12**

**Credits: 1.0**

This course is required of all DP Candidates in the second year of the programme. Students will continue their study of Theory of Knowledge (TOK) where they explore the nature of knowing by examining their own abilities as knowers, individually, and as members of a knowledge community. Students will explore connections to an inter-connections between the Areas of Knowledge as it applies to coursework in their other Diploma Programme courses and TOK. This course will include the Assessment expectations of TOK including student presentation and essay (50+ hours). Students will also complete the writing of their individual Extended Essay and conclude with a viva voce interview with their supervisor. Lastly, the students will continue their Creativity, Activity, and Service (CAS) pursuits as Diploma Programme Candidates. This course will provide collaborative and interdisciplinary opportunities for students to build community and relationships within their learning cohort.

## **INTEGRATED STUDIES - EXTENSION**

**Course #: 22000**

**Grades: 11, 12**

**Credits: 1.0**

This class will support students' academic pursuits in 11th and 12th grade. Students will receive additional support with assignments and targeted skill instruction based on core curriculum expectations. Students will also use executive functioning applications to support class engagement, time management, study skills, and assignment completion.

## **INTERDISCIPLINARY STUDIES (LC9)**

**Course #: 20013**

**Grades: 9**

**Credits: 1.0**

This year-long, required course is designed to enrich, enhance, and support students in the learning community. Throughout the year, student-centered, interdisciplinary activities will encourage students to deeply explore topics that emerge from their core classes. Learning communities will design activities around which to center students' learning. This will allow students to investigate multiple subject areas, including those outside the core, fostering interdisciplinary learning and a global mindset. Students will also receive additional support from their core teachers in an environment that allows for differentiated and one-on-one instruction based on students' individual needs. This collaborative course will foster students' independent learning skills and provide student-growth-focused feedback.

## **INTERDISCIPLINARY STUDIES (LC10)**

**Course #: 20014**

**Grades: 10**

**Credits 1.0**

This year-long, required course is designed to enrich, enhance, and support students in the learning community. Throughout the year, student-centered, interdisciplinary activities will encourage students to deeply explore topics that emerge from their core classes. Learning communities will design activities around which to center students' learning. This will allow students to investigate multiple subject areas, including those outside the core, fostering interdisciplinary learning and a global mindset. Students will also receive additional support from their core teachers in an environment that allows for differentiated and one-on-one instruction based on students' individual needs. This collaborative course will foster students' independent learning skills and provide student-growth-focused feedback. The IB MYP Personal Project is a major component of this course. The MYP Personal Project is the culminating activity of the five year MYP program. The MYP Personal Project is a graduation requirement.

## **LEAD 9**

**Course #: 29253**

**Grades: 9**

**Credits: 1.0**

Lead 9 is an opportunity for incoming 9th graders who have an interest in leadership, communication, and real life experiences. Lead 9 is an extension of BHHS Student Leadership where ninth graders will work collaboratively in a team setting to learn about leadership styles, become a voice for the student body, plan/lead school wide events, actively participate in community and service opportunities, and build a rapport with students, staff, and the greater Bloomfield Hills community. These students will work to create a more unified student body with hopes of increasing responsibility and ownership in order to enhance their learning environment and academic experience.

## **LEARNING STRATEGIES 9th Grade**

**Course #: 29209**

**Grades: 9**

**Credits 1.0**

The Learning Strategies course is one of several interventions designed to assist general education students in becoming independent learners. Learning strategies will provide academic support by grade level. The learning strategies teacher will work closely with the 9th-grade students on a variety of methods to support academic achievement (study skills, note taking, goal setting, whole class reviews for upcoming assessments, re-teaching of key concepts in core classes, frequent teacher check-ins on grades, and daily homework updates.). Placement into Learning Strategies is limited to students who meet specific eligibility requirements as determined by the Building Instructional Team, consisting of counselors, teachers, administrators, and support staff. This is a credit-only

course/no letter grade is issued.

## **LEARNING STRATEGIES 10th Grade**

**Course #: 29210**

**Grades: 10**

**Credits 1.0**

The Learning Strategies course is one of several interventions designed to assist general education students in becoming independent learners. Learning strategies will provide academic support by grade level. The learning strategies teacher will work closely with the 10th-grade students on various methods to support academic achievement (study skills, note taking, goal setting, frequent teacher check-ins on grades, and daily homework updates. Mini lessons will be taught on subjects such as email etiquette, resume building, interview skills, etc.). Placement into Learning Strategies is limited to students who meet specific eligibility requirements as determined by the Building Instructional Team, consisting of counselors, teachers, administrators, and support staff. This is a credit-only course/no letter grade is issued.

## **LEARNING STRATEGIES 11th Grade**

**Course #: 29211**

**Grades: 11**

**Credits 1.0**

The Learning Strategies course is one of several interventions designed to assist general education students in becoming independent learners. Learning strategies will provide academic support by grade level. The learning strategies teacher will work closely with the 11th and 12th-grade students on various methods to support academic achievement (study skills, note taking, goal setting, frequent teacher check-ins on grades, and daily homework updates. Mini lessons will be taught to enhance student's skills). Placement into Learning Strategies is limited to students who meet specific eligibility requirements as determined by the Building Instructional Team, consisting of counselors, teachers, administrators, and support staff. This is a credit-only course/no letter grade is issued.

## **LEARNING STRATEGIES 12th Grade**

**Course #: 29212**

**Grades: 12**

**Credits 1.0**

The Learning Strategies course is one of several interventions designed to assist general education students in becoming independent learners. Learning strategies will provide academic support by grade level. The learning strategies teacher will work closely with the 11th and 12th-grade students on various methods to support academic achievement (study skills, note taking, goal setting, frequent teacher check-ins on grades, and daily homework updates. Mini lessons will be taught to enhance student's skills). Placement into Learning Strategies is limited to students who meet specific eligibility requirements as determined by the Building Instructional Team, consisting of counselors, teachers, administrators, and support staff. This is a credit-only course/no letter grade is issued.

## **LINKED TO BHHS, PEER TO PEER SUPPORT**

**Course #: 29198**

**Grades: 10, 11, 12**

**Credits: 0.5**

The LINK student is trained as a peer mentor who will accompany a student with special needs to one of his/her general or special education classes. The LINK student will model and support appropriate social skills and behavior in the academic setting so that the student with special needs may meet success. The students work together in an integrated, positive fashion, to promote socialization, independence and strong friendship bonds that last throughout high school and beyond. This course may be taken multiple semesters. "Peer to Peer Course Credit Programs represent one model of 21st Century instructional design that incorporates applied (experiential) learning in a non-traditional manner. *This course may be re-elected for additional credit.* [Course Overview](#)

## **PRE-CALCULUS EXTENSION**

**Course#: 23318**

**Grades: 11, 12**

**Credits: 0.5**

This class will support student efforts in the pre-calculus classes. The students will receive additional instruction

and practice problems as necessary. Khan Academy may be used as a supplemental resource as it aligns to the curriculum as well as preparation for the SAT.

## **STUDENT LEADERSHIP**

**Course#: 29252**

**Grades: 10, 11, 12**

**Credits: 1.0\***

This course is designed for those students who have an active interest in learning and promoting leadership skills. Emphasis rests on organizing student activities, community projects, and fundraisers; communicating information to the student body through the student congress; improving school environment through active participation in the process. Students entering this course will be elected by their classmates as representatives in the spring of the preceding year. *\*This course may be re-elected for additional credit. Must be elected into Student Leadership to enroll in this course.*

## **WRITING ACROSS THE CURRICULUM - ELA EXTENSION**

**Course #21302**

**Grades: 11, 12**

**Credits: 1.0**

This class will support students in writing across the curriculum. Students will receive additional writing instruction and support with writing assignments in any of their classes. Teachers will supplement learning with additional targeted instruction and practice opportunities for improving writing skills. This elective course must be taken while also enrolled in an English class.



# HEALTH AND PHYSICAL EDUCATION

Dear Parents,

The Health Education Program is committed to engaging students to discover an awareness of individual health empowerment towards their physical, emotional/mental and social well-being. Within the Bloomfield Hills School District Health Program, there are many areas and issues discussed in class regarding wellness, proper nutrition with exercise for weight control, stress management, suicide/bullying/violence prevention, substance use prevention, cardiopulmonary resuscitation with automated external defibrillation, standard first aid and reproduction.

In order to respect the Bloomfield Hills families' values and beliefs, the Health Education course offers an optional reproductive unit. Within the reproduction unit, major emphasis is placed on abstinence as a birth control choice, while looking at the prevention and consequences of teenage pregnancy and sexually transmitted infections. Also included, are lifetime-learning of the development of a healthy pregnancy, labor and delivery, and birth control.

The Bloomfield Hills School District Sex Education Advisory Committee, composed of parents, administrators, teachers, medical professionals, students and faith based representatives, screen the topics, materials, and films associated with the reproduction unit of the Health Education course. If further information is needed, please don't hesitate to contact the Health and Physical Education Department.

## Health Education

### HEALTH EDUCATION

**Course #: 24107**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

The Health curriculum engages students to discover an awareness of individual health empowerment through lifestyle decisions and effects on physical, emotional/mental, and social health. Particular areas of study will include: wellness, proper nutrition and exercise for weight control, stress management and suicide/bullying/violence prevention, substance use prevention, standard first aid, Cardiopulmonary Resuscitation with Automated External Defibrillation (CPR/AED), healthy dating relationships, lifetime learning of reproductive health including a healthy pregnancy, labor and delivery, sexually transmitted diseases, and contraceptive information. *One-half credit in Health is required for graduation.*

### KINESIOLOGY

**Course #: 24114**

**Grades: 11, 12**

**Credits: 0.5**

Students will learn basic physiological, psychological, sociological and mechanical principles of human movement. This class will be a lab and lecture class.

## Physical Education

*\*Physical Education Waivers: Students participating in school sponsored athletics (including but not limited to: football, volleyball, swimming) are eligible to waiver out of 1.0 credits of physical education.*

## **ADVANCED CONDITIONING FOOTBALL**

**Course#: 94462**

**Grades: 10, 11, 12**

**Credits: 0.5**

*2nd semester only*

This course is designed for students on the BHHS football team. The student will be taught football skills, strategies and rules. This course will include a cardiovascular and strength-training program for all enrolled students. *\*This course may be re-elected for additional credit.*

## **CARDIO & CORE**

**Course: 24115**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course is designed for the student who is serious about fitness and personal health. The class will increase cardiovascular fitness and core strength through a variety of activities. All types of aerobic exercises will be explored to develop the cardiovascular system. This course will provide students with valuable information and practical fitness applications for a lifetime. *\*This course may be re-elected for additional credit.*

## **LIFETIME INDIVIDUAL SPORTS**

**Course#: 24201**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course will introduce students to a variety of lifetime sports and activities which include: golf, archery, racket sports, disc golf, swimming, bowling, strength training, table tennis, and several outdoor recreational games. Students will be instructed in proper skills, techniques, rules, etiquette, and safety. An emphasis will be placed on development of fitness as well. Field trips 2-3 times per month will require parental permission and a \$100 activity fee. *\*This course may be re-elected for additional credit.*

## **PHYSICAL EDUCATION**

**Course#: 24106**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

Basic Physical Education is a well-rounded curriculum consisting of both fitness and sport skills. Students will learn the basics of Soccer, Football, Softball, Tennis, Volleyball, Basketball and Floor Hockey. Other sports will be added if time permits. This course will meet guidelines for the MYP curriculum as well. It is highly recommended to take as a precursor to Team Sports and Individual Sports. Students will receive instruction that will improve their cardiovascular endurance, strength, flexibility, and nutritional concepts.

## **TEAM SPORTS**

**Course#: 24241**

**Grades: 9, 10, 11, 12**

**Credit: 0.5**

The purpose of the class is to give students the opportunities to develop their sports skills, while emphasizing sportsmanship, through a variety of activities. Students will actively participate in a variety of sports and personal fitness. Previous experience on sports teams is a plus when taking this course. This course is highly competitive. *\*This course may be re-elected for additional credit.*

## **WEIGHT TRAINING**

**Course #: 24251**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course introduces various methods of weight training. Students will receive instruction in most of the following: circuit training, free weights, various weight machines, plyometrics, cardiovascular conditioning, and abdominal strength training. *\*This course may be re-elected for additional credit.*

## **BODY CONDITIONING YOGA**

**Course #: 24116**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

In this course students will have a hands-on approach to learning how to strengthen and lengthen their muscles while becoming physically fit through movement, stretching and body weight exercises.

## UNIFIED PE

**Course # 24189**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This is an inclusive physical education class for students of all abilities. Students with varying abilities will participate together in a highly active physical education setting.

# MATHEMATICS

## ADVANCED PLACEMENT PRE-CALCULUS

**Course #: 23621**

**Grades: 10, 11, 12**

 **Credits: 1.0**

In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. Topics in AP Precalculus include: Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions Involving Parameters, Vectors, and Matrices.

## ADVANCED PLACEMENT CALCULUS (AB)

**Course #: 23232**

**Grades: 11, 12**

 **Credit: 1.0**

This course is designed for students with above average ability in mathematics who plan to continue the study of calculus or its application to the arts and sciences in college. The topics the student will study correspond to those topics covered by the Advanced Placement Examination for Calculus—Form AB. The calculus covered in this course is roughly equivalent to the contents of one-half to one full year of college-level freshman calculus. Students who elect this course are encouraged to take the advanced placement examination in May because good test performance may enable them to receive college credit or advanced standing.

## ADVANCED PLACEMENT CALCULUS (BC)

**Course#: 23233**

**Grades: 11, 12**

 **Credits: 1.0**

This course is designed for students with outstanding ability in mathematics that plan to continue the study of calculus or its applications to the arts and sciences in college. The topics that the student will study correspond to those topics covered by the Advanced Placement Examination for Calculus BC in addition to advanced study in areas in the IB Mathematics HL curriculum. Students will develop an appreciation for mathematics as a universal language spoken and written around the world. All students who elect this course are encouraged to take the advanced placement examination in May because good test performance may enable them to receive college credit or advanced standing.

## ADVANCED PLACEMENT STATISTICS

**Course#: 23231**

**Grades: 11, 12**

 **Credits: 1.0**

Advanced Placement Statistics gives an overview of the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns in advance, and statistical inference. Students in Advanced Placement Statistics will prepare for the AP Examination in Statistics that is administered in May of each year. Students will use technology in and out of class for modeling, analyzing data, and developing statistical inferences. A graphing calculator is used in class and for the AP examination. This class requires students to apply mathematical concepts as well as analyze and give detailed written reports about their findings.

## ALGEBRA I

**Course#: 23301**

**Grades: 9, 10, 11, 12**

 **Credits: 1.0**

Algebra I broadens the study of linear relationships to include piecewise functions (i.e. absolute value and greatest integer), systems of equations with three unknowns, formalized function notation and recursive representations, and the development of bivariate data analysis topics (i.e. linear regression and correlation). Exponential and quadratic function families, logarithmic patterns, power and polynomial patterns, will be studied within the real number system and its properties.

## ALGEBRA 1A

**Course#:** 29301

**Grades:** 9, 10, 11, 12



**Credits:** 1.0

This course covers semester one of Algebra I. It provides students two semesters to cover the same content as Algebra I. Students will learn algebraic concepts while deepening their foundation of algebra. The course broadens the study of linear relationships and multiple representations. A current Individualized Education Plan—IEP—is required for enrollment in this course.

## ALGEBRA 1B

**Course#:** 29302

**Grades:** 10, 11, 12



**Credits:** 1.0

This course covers semester two of Algebra I. It provides students two semesters to cover the same content as Algebra I. This course continues to broaden the study of linear relationships to include systems of equations, absolute value and families of functions. A current Individualized Education Plan—IEP—is required for enrollment in this course.

## ALGEBRA II

**Course#:** 23302

**Grades:** 10, 11, 12



**Credits:** 1.0

Algebra II builds off the concepts taught in Algebra I. Additionally, students will explore square root, cube root, polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics that are covered include: arithmetic and geometric series and sequences and statistical topics.

## ALGEBRA IIA

**Course#:** 23320

**Grades:** 11, 12



**Credits:** 1.0

This course offers a more concrete exploration of many of the topics in Algebra II including linear, quadratic, polynomial, exponential and trigonometric functions; data analysis and statistics. Conic sections and series and sequences may also be included. **This course is not intended as a preparatory course for Pre-Calculus.**

## ALGEBRA II EXTENSION

**Course#:** 23317

**Grades:** 10, 11, 12



**Credits:** 1.0

This course will support student efforts in algebra 2. The students will receive additional instruction and practice problems as necessary. Khan Academy may be used as a supplemental resource as it aligns to the curriculum as well as preparation for the SAT.

## CALCULUS

**Course#:** 23603

**Grades:** 11, 12



**Credits:** 1.0

This course is designed for students with above average ability in Mathematics who plan to continue the study of calculus or its application to the arts and sciences in college. The course is designed for the student that wants a rigorous calculus course, but does not intend on taking the AP Exam. The topics covered will be limits, derivatives, integrals, and their applications.

## CALCULUS EXTENSION

**Course#:** 23606

**Grades:** 11, 12

**Credits:** 1.0

This class will support student efforts in Calculus, AP Calculus AB, and AP Calculus BC. The students will receive additional instruction, practice problems, and practice AP exams. Khan Academy will be used as a supplemental resource as it aligns to the curriculum. May be repeated for additional credit. This is an elective course and must be taken while also enrolled in Calculus.

## GEOMETRY

**Course#:** 23411

**Grades:** 10, 11



**Credits:** 1.0

Students will explore the axiomatic development of Euclidean Geometry. Topics of study include congruence and similarity, relationships within triangles, circles, and polygons (including proof writing), introduction to trigonometry, perimeter, area, volume, and surface area of geometric solids. **Students will expand their Algebra knowledge by reviewing algebraic concepts in preparation for Algebra II.**

## HONORS ALGEBRA II

**Course#:** 23307

**Grades:** 10, 11, 12



**Credits:** 1.0

This course is an accelerated Algebra 2 course with an in-depth study of Algebra II concepts. In addition to the topics included in Algebra II, Honors Algebra II students will study probability, matrices, determinants, and transformations.

## IB MATH ANALYSIS & APPROACHES SL I

**Course#:** 23630

**Grades:** 11, 12



**Credits:** 1.0

Students will be introduced to the international language of mathematics through the use of notation recognized by the International Baccalaureate Diploma Programme. Throughout the course of study an emphasis will be placed on clearly and concisely communicating their mathematical knowledge. When appropriate, concepts will be presented in a historical and/or cultural context. This course may only be taken by full DP candidates.

## IB MATH ANALYSIS & APPROACHES SL II

**Course#:** 23624

**Grades:** 12



**Credits:** 1.0

This course is a continuation of the work done in IB Mathematics: Analysis and Approaches SL I. It is intended for students who wish to pursue studies in mathematics at the university level or subjects that have extensive mathematical content; it is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology. The topics covered in this course include; algebra, functions, equations, circular functions, trigonometry, vectors, statistics, probability, and calculus. This course may only be taken by full DP candidates who have taken IB Mathematics: Analysis and Approaches SL I in 11th grade.

## IB MATH APPLICATIONS & INTERPRETATION SL I

**Course#:** 23607

**Grades:** 11, 12



**Credits:** 1.0

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: applications and interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.

## IB MATH APPLICATIONS & INTERPRETATION SL II

**Course#:** 23617

**Grades:** 12



**Credits:** 1.0

This course is intended for students who wish to pursue studies in mathematics at university or subjects that have large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving

and exploring real and abstract applications, with and without technology

## PATHWAYS (PW): BIOMEDICAL STATISTICS

**Course#:** 20212

**Grades:** 11, 12

**Credits:** 1.0

The Biomedical Pathway provides students with multiple opportunities to engage in experiential learning and develop the transformative knowledge and skills to be literate in any biomedical profession. Students enrolled in the program will collaborate with medical professionals, university personnel, and district educators to develop the knowledge and skills required for biomedical careers in the 21st century. This course is taken with Pathways: Biomed I Statistics. \*All year/ 1 Credit Science, 1 Credit Math

## PERSONAL FINANCE

**Course#:** 28340

**Grades:** 11, 12

**Credits:** 1.0

This course will help students become familiar with the language of finance and the mathematics needed to manage money creating more fiscally responsible citizens. Personal money management includes wages, banking, cash and credit cards, loans, purchasing a vehicle and insurance. The business math segment includes everything from hiring your first employee to managing the finances. Students will have a firm understanding of how the financial choices they make will affect their lives and their community. We will incorporate practical applications to both personal and business problems, simulations, lectures, and Internet research activities. *Students may take this course as a 4th year math elective*

## PRE-AP GEOMETRY WITH STATISTICS

**Course#:** 23623

**Grades:** 9,10



**Credits:** 1.0

Pre-AP Geometry with Statistics provides students with a conceptual bridge between algebra and geometry that deepens their understanding of mathematics. The course includes a unit of statistics and probability to support students' understanding of concepts essential to quantitative literacy. Throughout the course, students solve problems across algebra, geometry, and statistics domains.

## PRE-CALCULUS

**Course#:** 23601

**Grades:** 10, 11, 12



**Credits:** 1.0

This course is for students who have successfully completed Algebra II. Students will study functions and relations including asymptotic behavior and zeros, trigonometry, trigonometric proof writing, complex numbers, arithmetic and geometric series and sequences, conic sections, probability, exponential functions and their applications, logarithms, polynomial and rational functions, the study of limits and an introduction to differential calculus.

## PRE-CALCULUS EXTENSION

**Course#:** 23318

**Grades:** 10, 11, 12

**Credits:** 1.0

This class will support student efforts in the pre-calculus classes. The students will receive additional instruction and practice problems as necessary. Khan Academy may be used as a supplemental resource as it aligns to the curriculum as well as preparation for the SAT. This is an elective course and must be taken while also enrolled in Pre-Calculus.

## STATISTICS

**Course#:** 23130

**Grades:** 11, 12



**Credits:** 1.0

Students will work with probability, data collection, descriptive and inferential statistics, probability, and technological tools to analyze statistics. The main focus of the course will be exploring data, planning a study, producing models using probability theory, and making statistical inferences. Students will work with statistical measures of centrality and spread, methods of data collection, methods of determining probability, binomial and

normal distributions, hypothesis testing, and confidence intervals. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs.

# PERFORMING ARTS/MUSIC

## BANDS

### BLACK HAWK BAND

**Course #: 27618**

**Grades: 10, 11 12**

**Credits: 0.5**

This class is intended for students who wish to participate in band but are unable to participate in marching band during the first semester. It is open to 9-12th grade students who have successfully completed 8th Grade Band or have successfully auditioned for the Director. Students who take this course should sign up for either Campus Band (9th grade) or Concert Band (10-12th grade) 2nd semester. Students who wish to participate in Symphony Band 2nd semester may not sign up for this class. Students will study fundamental pedagogy and musicianship, as well as rehearsing and performing music at a developmentally appropriate level. Students will be required to perform in all concerts over the course of the year (3-4) as well as festival. Additional optional activities will include Solo and Ensemble Festival as well as Jazz Band (see course description for Jazz Band).

### CAMPUS BAND

**Course #: 27619**

**Grades: 9**

**Credits: 1.0**

This class is intended for mostly 9th Grade Wind and Percussion students, as well as some 10th, 11th and 12th grade students with schedule conflicts, who have successfully completed 8th Grade Band or have successfully auditioned for the Director. Students will study fundamental pedagogy and musicianship, as well as rehearsing and performing music at a developmentally appropriate level. Students in this ensemble will participate in all Marching Band activities in the fall, and will be expected to attend Band Camp and all pre-school (July and August) rehearsals, as well as Wednesday evening rehearsals through the first week of October. Students will be required to perform in all concerts over the course of the year (3-4) as well as festival. Additional optional activities will include Solo and Ensemble Festival as well as Jazz Band (see course description for Jazz Band)

### JAZZ BAND

**Course #: 27651**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

The purpose of this course is to learn about, rehearse, and perform contemporary jazz music. This class meets outside of the school day (the first two even days of the week from 6:30 - 7:25 am and Thursdays from 2:30 - 4:30 pm). Students who play any instrument and do not want to audition can join the "Jazz Lab Band" which will rehearse on Mondays and Thursdays. Students who pass an audition and play saxophone, trombone, trumpet, piano, bass, drums, or guitar can join the "Jazz Ensemble" which meets Tuesdays and Thursdays. To receive credit for this class all students, regardless of ensemble, must attend all rehearsals (Monday, Tuesday, and Thursday). Students who only want to attend two classes per week may audit the class for no credit. Students who perform on a band instrument must be enrolled in a curricular music course other than jazz band. This course is open to 9th-12th grade students.

### SYMPHONY BAND

**Course #: 27632**

**Grades: 10, 11, 12**

**Credits: 1.0**

Designed for students with the highest level of skills and interest in instrumental music. This organization rehearses and performs high school and college-level music with emphasis on advanced playing techniques and musical interpretation. Top performers, from most of the sections, will also be expected to perform in the Symphony Orchestra Winds (see course description for Symphony Orchestra Winds). Students in this ensemble will participate in all Marching Band activities in the fall, and will be expected to attend Band Camp and all pre-school (July and August) rehearsals, as well as Wednesday evening rehearsals through the first week of October. Students will be required to perform in all concerts over the course of the year (3-4) as well as festival.



Additional optional activities will include Solo and Ensemble Festival as well as Jazz Band (see course description for Jazz Band).

## **CHOIRS**

### **BLACK HAWK SINGERS**

**Course #: 27715**

**Grades: 9**

**Credits: 1.0**

This choir is open to all incoming freshman boys. No audition is necessary. Black Hawk Singers serves as the groundwork for the more advanced music ensembles, with emphasis on music reading and understanding and appreciation of all types of musical composition. Work will also be done on achieving a basic understanding of vocal technique. Black Hawk Singers will perform at school concerts throughout the year, and may participate in spring music festivals.

### **BLOOMFIELD CHORALE - Audition required**

**Course #: 27722**

**Grades: 11, 12**

**Credits: 1.0**

Membership in this choir is open to junior and senior students (and on occasion, sophomore students) interested in participating in a select music ensemble. Music of various periods and styles from madrigals to popular will be performed. Auditions will be held in the spring for the following school year. Private music instruction is encouraged. The choir will perform outside of school at cultural, civic, and educational activities. Solo and ensemble festivals and choral festivals will be entered in the spring.

### **CONCERT CHOIR**

**Course #: 27725**

**Grades: 10, 11, 12**

**Credits: 1.0**

Concert Choir is a mixed group of students committed to the idea of developing their individual singing voices. No experience is necessary. While basic vocal skills will be covered, this class will assume that the student has a year of singing experience at the high school level. "Everyone can sing!" and "Singing is fun!" are major themes of this class. The focus will be on gaining vocal skills, working in small groups, and being able to perform as a group. Music studied for this class will be chosen from many musical styles; traditional choral music, Broadway, and popular ballads.

### **JILLS - Audition required**

**Course #: 27730**

**Grades: 11, 12**

**Credits: 1.0**

Membership in this choir is open to junior and senior girls. Auditions will be held in the spring for the following school year. During the school year, the group will perform outside of school at civic, cultural, and educational activities. Solo and ensemble festivals and choral festivals will be entered in the spring.

### **VOCALISE**

**Course #: 27714**

**Grades: 9**

**Credits: 1.0**

Open to all girls who have not had previous singing experience at the high school level. No audition is necessary. Vocalise serves as the groundwork for the more advanced music ensembles, with emphasis on music reading, and understanding and appreciation of all types of musical composition. Work will also be done on achieving a basic understanding of vocal technique. Vocalise may participate in spring music festivals and perform in concerts throughout the school year.

## **ORCHESTRAS**

### **CAMPUS ORCHESTRA**

**Course #: 27610**

**Grades: 9, 10, 11**

**Credits: 1.0**

This class is intended for mostly 9<sup>th</sup> Grade String students, as well as some 10<sup>th</sup> and 11<sup>th</sup> grade students, who have either successfully completed 8<sup>th</sup> Grade Orchestra or have successfully auditioned for the Director. It is also available to students unable to schedule Philharmonic Orchestra due to course conflicts. Students will study



fundamental pedagogy and musicianship, as well as rehearsing and performing music at a developmentally appropriate level. Students will be required to perform in all concerts over the course of the year (3-4) as well as festival. Additional optional activities will include Solo and Ensemble, Pit Orchestra as well as Chamber Orchestra (see course description for Chamber Orchestra).

## **CHAMBER MUSIC**

**Course #: 27613**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

This ensemble performs for several community, school, and social functions. There is a strong emphasis on sight-reading and being able to “play for fun.” The Chamber Orchestra has a repertoire ranging from light classical to more popular genres. This group also rehearses and often performs as a Chamber Ensemble at the MSBOA Solo and Ensemble Festival and will often accompany soloists at the Senior Concerto Concert. Students must also participate as members of a BHHS curricular music ensemble. **Rehearsals are outside of the regular school day.**

## **GUITAR AND UKULELE**

**Course #: 97108**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

Students will learn to play and perform on guitar or ukulele. Students will work both independently and in a large group setting to improve their skills. All abilities are welcome from beginner to experienced performer. Students will also learn about the history of guitar and ukulele, specifically how they have shaped popular rock music. Students will also get a chance to perform as individuals and in groups. Finally, students will discuss how to learn and appreciate music.

## **PHILHARMONIC ORCHESTRA**

**Course #: 27641**

**Grades: 10, 11, 12**

**Credits: 1.0**

Designed for students who desire more transition time from middle school and/or 9th Grade Orchestra literature to Symphonic literature. Philharmonic offers further development of existing techniques, musicianship, sight-reading skills, music theory and rehearsal decorum necessary for the Symphony Orchestra. Students will be required to perform in all concerts over the course of the year (3-4) as well as festival. Students may be expected to participate in Wednesday evening rehearsals, with the Symphony Orchestra, in the first quarter of the school year. Additional optional activities will include Solo and Ensemble, Pit Orchestra as well as Chamber Orchestra (see course description for Chamber Orchestra).

## **SYMPHONY ORCHESTRA**

**Course#: 27611**

**Grades: 10, 11, 12**

**Credits: 1.0**

Symphony Orchestra is an auditioned orchestra for all grades 9-12, designed for the serious orchestra student for which professional symphony literature is the focus of the ensemble. This award-winning symphony is composed of strings, winds, brass, and percussion, and concentrates on the fine points of orchestral performances and techniques. Public performances, festivals, and a wide variety of concerts are highly emphasized. Only the highest of performance standards and quality is expected. Additional rehearsals will be held on Wednesday after school from 2:45 - 5 pm for full orchestra. Students are expected to participate in Solo and Ensemble Festival at the district and state levels. Additional optional activities may include Pit Orchestra as well as Chamber Orchestra (see course description for Chamber Orchestra).

## **SYMPHONY ORCHESTRA WINDS**

**Course #: 27612**

**Grades: 10, 11, 12**

**Credits: 1.0**

This group represents the top performers in the Symphony Band. The full orchestra meets Wednesday after school for a two-hour block and in school as a pullout from Symphony Band. Original orchestral scores are studied with high performance standards expected. Students will be required to perform in all concerts over the course of the year (3-4) as well as festival.

## **STUDIES IN MUSIC**

### **MUSIC TECHNOLOGY**

**Course #: 27504**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

In this class you will explore music using a variety of hardware and software applications. The tools and skills you learn will allow you to compose, arrange and construct music and you will become familiar with technology that is commonplace in the music production industry. This is a course focusing on real world applications of music technology. As a project based class, you will learn to work on assignments over an extended time frame and complete readings, listening, and written work outside of class time.

### **ADVANCED MUSIC TECHNOLOGY**

**Course #: 27506**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Music Technology (27504/97504), "Advanced" designation will be granted after the third week of school.

This class is an extension of the Music Technology class. In this class students will explore music using a variety of hardware and software applications. The tools and skills you learn will allow you to compose, arrange and construct music and you will become familiar with technology that is commonplace in the music production industry. This is a course focusing on real world applications of music technology. As a project based class, you will learn to work on assignments over an extended time frame and complete readings, listening, and written work outside of class. *\*This course may be re-elected for additional credit.*

### **IB MUSIC SL I**

**Course #: 27601**

**Grades: 11, 12**

**Credits: 1.0**

IB Diploma Programme Music SL 1 focuses on the basic musical elements and three major historical periods of the Western Music tradition. This class is designed to give you the foundation to analyze and create music from within the western tradition. IB Music 1 and 2 are offered concurrently during the same hour of the school day and students who sign-up for this course must be enrolled in one of the many auditioned performing ensembles at BHHS in order to meet the SL Group Performance requirement.

### **IB MUSIC SL II**

**Course #: 27602**

**Grades: 12**

**Credits: 1.0**

IB Diploma Programme Music SL 2 begins preparing the student for the externally assessed IB examination, the musical links investigation, and the selected internal assessment of IB Music SL Group Performance. Musicians will study world music, Western Music tradition (Romantic, Post Romantic, Impressionism and, 20th Century), performance and compositional techniques appropriate to the internal assessment (Group Performance). Students will also study the IB required musical works. IB Music 1 and 2 are offered concurrently during the same hour of the school day and students who sign-up for this course must be enrolled in one of the many auditioned performing ensembles at BHHS in order to meet the SL Group Performance requirement.

## **THEATRE ARTS**

### **ACTING**

**Course #: 21101**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

This survey course is intended for students interested in acting. Instruction emphasizes audition skills, preparing monologues, scene work, and characterization. A "learn-by-doing" approach is used. This course is for students who have not had acting class at BHHS and is open to all grade levels.

### **ACTING 2**

**Course #: 21107**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

This in-depth course is intended for students to increase their interest in acting. Acting 2 extends skills from Acting

(audition skills, preparing monologues, scene work and characterization), and includes advanced content including scenes and scene development, improvisation, musical theatre, and theatre history. Prerequisite: Acting 1

## **ACTING 3 - Audition Required**

**Course #: 21108**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

Students involved in this class will audition, rehearse, direct and perform for educational and cultural opportunities both at BHHS and within the state. Competitions may be included. Acting 3 is advanced theatre production which will be a culmination and extension of concepts and ideas developed in Act 1 and 2 courses. Students will apply and evaluate their skills that they have learned as it applies to creating an actual theatre performance. Students will be involved in script analysis, design considerations, construction of a set, designing and creating costumes and make-up, directing and rehearsal of a play, all of the technical considerations (lights, sound, special effects) of theatre production, performance for a panel of evaluators (theatre professionals and university professors) and performance for peer audiences.

## **DANCE**

**Course #: 21106**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

Students will learn fundamental dance techniques including ballet, modern, and jazz dance. Brief units in dance history will be investigated throughout the course. Students will have the opportunity to collaborate with peers to construct combinations and dances. Study will culminate in a mandatory, out-of-class performance near the end of the course. This class is open to all students and all ability levels. \*This course may be re-elected for additional credit.

## **THEATER DESIGN & TECH**

**Course #: 27505**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course will provide students with an opportunity to explore and learn the process of mounting a theatrical production from start to finish. Production responsibilities will include building scenery, sound, lighting, costumes, props and stage management, marketing, playbill design, and house management. In a workshop atmosphere, students will work on the main stage productions.

## **ADVANCED THEATER DESIGN & TECH**

**Course #: 27061**

**Grades: 10, 11, 12**

**Credits: 1.0**

The Theater Design and Technology course is designed for students who have a general base of technical and design knowledge from previous Theatre Production courses and working on crew/creative team for previous productions. Students will be mentored to become more resourceful, imaginative, and technically competent in their designated area. Depending on their assigned hour, students may help with stage management and production needs during acting courses.

## **IB THEATER I**

**Course #: 27062**

**Grades: 11, 12**

**Credits: 1.0**

Theatre is a practical subject that encourages discovery through experimentation, the taking of risks and the presentation of ideas to others. It results in the development of both theatre and life skills; the building of confidence, creativity and working collaboratively.

The IB Diploma Programme Theatre course is a multifaceted theatre-making course of study. It gives students the opportunity to make theatre as creators, designers, directors and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. It offers the opportunity to engage actively in the creative process, transforming ideas into action as inquisitive and productive artists.

Students experience the course from contrasting artistic perspectives. They learn to apply research and theory to inform and to contextualize their work. The theatre course encourages students to appreciate that through the processes of researching, creating, preparing, presenting and critically reflecting on theatre— as participants and audience members—they gain a richer understanding of themselves, their community and the world.

## **IB THEATER II**

**Course #: 27606**

**Grades: 12**

**Credits: 1.0**

Prerequisite: IB Theater. This is a continuation of the work done in IB Theater I. Full Diploma Candidates who are taking IB Theater for Group 6 must enroll for this class in grade 12.

# SCIENCE

## ADVANCED PLACEMENT BIOLOGY

**Course #: 25205**

**Grades: 11, 12**

 **Credits: 1.0**

This is a content-oriented course designed to prepare students for the National Advanced Placement Test in Biology. Topics to be covered are: biochemistry, cell physiology, molecular biology of the gene, genetics, a survey of the five kingdoms, plant and animal physiology, animal behavior, and ecology. The required national AP Labs will be emphasized.

## ADVANCED PLACEMENT CHEMISTRY

**Course #: 25315**

**Grades: 11, 12**

 **Credits: 1.0**

This laboratory course prepares the able and talented student for advanced placement; therefore, it meets the general objectives of an introductory chemistry course at the freshman college level. Theoretical aspects of chemistry are emphasized. Major topics include the following: structure of matter, chemical bonding, kinetic theory of gases, stoichiometry, solids, liquids, change of state, equilibrium, oxidation-reduction, solution chemistry, acid-based chemistry, chemical kinetics, electrochemistry, and basic concepts of thermodynamics.

## ADVANCED PLACEMENT PHYSICS 1

**Course #: 25410**

**Grades: 10, 11, 12**

 **Credits: 1.0**

Students enrolling in Advanced Placement Physics 1 should have a strong foundation in both Algebra and Geometry prior to enrollment. The Advanced Placement Physics program is a standalone program. AP Physics 1 is designed to be a student's first course in Physics and does not require students to have taken any prior Physics courses. The topics include Kinematics, Forces, Energy, Momentum, Circular and Rotational Motion, Universal Gravitation, Waves, Sound, Electrostatics, and Electric Circuits. This class is the prerequisite course for AP Physics 2. Students planning a college curriculum that requires one year of science (non-calculus Physics) may be able to fulfill half of this requirement by passing the Advanced Placement Physics 1 test.

## ADVANCED PLACEMENT PHYSICS 2

**Course#: 25409**

**Grades: 11, 12**

 **Credits: 1.0**

This is the follow up class to the algebra-based AP Physics 1 course. This course is designed for students who wish to pursue their studies in Physics or Engineering, but are not yet in Calculus. A strong understanding of Algebra I and Algebra II concepts is essential for success in this course. Topics include Fluid Mechanics, Thermodynamics, Quantum Nuclear Physics, Optics, Electrostatics, Electric Circuits, Magnetism, and Atomic Nuclear Physics. Students planning a college curriculum that requires one year of science (non-calculus Physics) may be able to fulfill half of this requirement by passing the Advanced Placement Physics 2 test.

## ADVANCED PLACEMENT PHYSICS C

**Course#: 25418**

**Grades: 11, 12**

 **Credits: 1.0**

Students enrolling in this course should have a strong foundation in pre-calculus prior to enrollment in this course. It is recommended that students take AP Physics 1 prior to AP Physics C, but it is not a requirement. In this Advanced Placement Physics course, most of the first semester is devoted to calculus based mechanics, which include topics in Kinematics, Forces, Energy, Momentum, Circular and Rotational Motion, Universal Gravitation, Waves, and Sound. Use of calculus (derivatives and integrals) in problem solving will increase as the mechanics topics progress. The remainder of the course is devoted to Electricity and Magnetism. Calculus is extensively used in formulating principles and in solving problems. The Advanced Placement C test consists of two parts, one for

each section (Mechanics and E&M), and each test is 1 1/2 hours long. A student may take one test or both tests and will earn separate grades for each test. Successful completion of the test may earn the student credit for one semester (per test) of college calculus-based Physics. This course sequence is required for many Physics and Engineering college programs.

## ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

**Course#: 25509**

**Grades: 11, 12**



**Credits: 1.0**

This laboratory-based course is designed to prepare students for taking the National Advanced Placement Test in Environmental Science. The AP Environmental Science course will provide students with their scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to evaluate the relative solutions for resolving and/or preventing them. Topics will include: inter-dependence of the earth's systems; human population dynamics; renewable and nonrenewable resources; environmental quality; global changes and their consequences; environmental laws and regulations; and conservation and global changes and their consequences; environmental laws and regulations; and conservation and preservation.

## ANATOMY AND PHYSIOLOGY

**Course #: 25206**

**Grades: 11, 12**



**Credits: 1.0**

Students learn about the structure and function of the human body. The course covers the physical basis of life, histology, and the anatomy and physiology of the following systems: integumentary, skeletal, muscular, nervous, endocrine, somatic and special senses, cardiovascular, respiratory, digestive, urinary, reproductive, lymphatic, and immune. The following topics are also emphasized in this course: the complementary nature of structure and function, homeostatic regulating mechanisms, diseases and how they affect the body. Anatomy and Physiology is recommended for students interested in the fields of medicine or health.

## BIOLOGY

**Course #: 25201**

**Grades: 9**



**Credits: 1.0**

This required course emphasizes the concepts of ecology, cell structure and function, biochemistry, photosynthesis and respiration, heredity, genetics and evolution. Throughout the year students will think critically about the impacts of science and technology on modern society. Students will also engage in science and engineering practices including experimental design, developing models, analyzing data, and problem solving.

## CHEMISTRY OF EARTH'S SYSTEMS

**Course#: 25300**

**Grades: 10, 11, 12**



**Credits: 1.0**

In this Michigan Science Standards aligned chemistry course, students will explore physical science concepts that build comprehension around matter, its properties, and its interactions with other matter and energy. Students will explore concepts in chemistry and apply their understanding of these concepts in the context of Earth and Space Science. The relevant Earth and Space Science concepts are integrated to deepen students' understanding of chemistry's role in Earth's systems and society.

## EARTH SCIENCE: ASTRONOMY

**Course#: 25513**

**Grades: 11, 12**



**Credits: 0.5**

Offered 1<sup>st</sup> Semester Only This is a one semester laboratory and activity based class. Topics will include: the beginning of the universe, the solar system and the sun, the life cycles of stars as well as constellations. This course will help students gain an appreciation of both the most minute and vast things in the natural world.

## EARTH SCIENCE: GEOLOGIC DISASTERS

**Course#: 25511**

**Grades: 11, 12**



**Credits: 1.0**

This is a year-long laboratory based class with a special emphasis on geologic disasters. Geology studies the composition, structure, physical properties, history, and the processes that shape Earth's components. In the process of geologic history, water systems, plate tectonics, volcanoes, earthquakes and natural resources will be covered.

## EARTH SCIENCE: OCEANS AND WEATHER

**Course #: 95504**

**Grades: 11, 12**



**Credits: 0.5**

Offered 2<sup>nd</sup> Semester Only This one semester laboratory course includes meteorology topics such as reading weather maps, tornadoes and hurricanes, and clouds and precipitation. The oceanography topics include currents, life zones, chemistry of seawater, and physical features of the ocean floor.

## FORENSIC SCIENCE

**Course #: 25531**

**Grades: 11, 12**

**Credits: 0.5**

Current and past crimes will be looked at. The study of several sciences will be done while learning about how the crime was investigated. Crime scenes, evidence collection, testimonies, and theories will be considered using the sciences of Biology, Chemistry, and Physics. How the legal system is involved in crimes and disputes will also be studied. \*Graphic Material Warning due to sensitive topics.

## HUMAN PATHOLOGY

**Course #: 23202**

**Grades: 11, 12**



**Credits: 1.0**

Pathology is broadly defined as the study of disease, including the cause, development, and consequences of the disease process. This lab-based course is designed to introduce students to concepts dealing with anatomical and clinical pathology through the proper identification and diagnosis of disease. Emphasis will be placed on the signs and symptoms associated with specific diseases and the medical terminology used to classify these diseases. Students will also discuss what forms of treatment and surgical procedures are available when various organisms acquire certain diseases. *This course grants one-half credit in Science. \*Graphic Material warning due to medical images that depict injury or disease.*

## IB BIOLOGY HL I

**Course #: 25207**

**Grades: 11**



**Credits: 1.0**

This laboratory course is designed for students who will take the Biology HL exam. Topics covered in this course include statistical analysis, cells, biochemistry, genetics, ecology and evolution, nucleic acids, cell respiration and photosynthesis, plant science, human health and physiology, neurobiology and behavior.

Students will be exposed to international dimensions as the topics above are presented. Students will be using the scientific method as they focus on scientific problems that are recognized worldwide. Students will be encouraged to access the extensive body of information provided by international scientific organizations to enhance their appreciation of the international dimensions of Biology. This will provide students opportunities to take intellectual risks. They will explore biological topics that have local and global significance. Students will be required to exercise initiative in applying thinking skills and make reasoned ethical decisions.

## IB BIOLOGY HL II

**Course #: 25208**

**Grades: 12**

 **Credits: 1.0**

This laboratory course is designed for students who will take the Biology HL exam. Topics covered in this course include statistical analysis, cells, biochemistry, genetics, ecology and evolution, nucleic acids, cell respiration and photosynthesis, plant science, human health and physiology, neurobiology and behavior.

Students will be exposed to international dimensions as the topics above are presented. Students will be using the scientific method as they focus on scientific problems that are recognized worldwide. Students will be encouraged to access the extensive body of information provided by international scientific organizations to enhance their appreciation of the international dimensions of Biology. This will provide students opportunities to take intellectual risks. They will explore biological topics that have local and global significance. Students will be required to exercise initiative in applying thinking skills and make reasoned ethical decisions. At the end of this course students will take the external IB assessment.

## IB CHEMISTRY SL I

**Course #: 25317**

**Grades: 11**

 **Credits: 1.0**

This course is designed for students who will take the IB Chemistry SL exam. Chemistry is taught from an international perspective through the historical developments and notable events of chemistry that impact populations across the globe. Students explore challenging, scientific questions that require them to consider the nature of science and its purpose in seeking explanations about phenomena of the natural world. Lab work is a major component of this course and is used to facilitate student-led, inquiry-based activities. Topics covered in this course include: measurement and data processing, atomic structure and periodicity, bonding and chemical reactions, quantitative chemistry, kinetics and equilibrium, acid-base chemistry, and electrochemistry.

## IB CHEMISTRY SL II

**Course #: 25318**

**Grades: 12**

 **Credits: 1.0**

This course is designed for students who will take the IB Chemistry SL exam. This course is a continuation of IB Chemistry SL I. Topics include thermodynamics and advanced bonding, with a major emphasis on organic chemistry. Special topics such as biochemistry and medicinal chemistry are incorporated into the course. A major component of the course is lab work centered around the internal assessment and involves an independent, student-designed experiment.

## IB SPORTS, EXERCISE AND HEALTH SCIENCE HL

**Course #: 25211**

**Grades: 11, 12**

 **Credits: 1.0**

Sports, exercise and health science (SEHS) HL is an experimental science that combines academic study with the acquisition of practical and investigative skills. It is an applied science course within group 4, with aspects of biological and physical science being studied in the specific context of sports, exercise and health. Moreover, the subject matter goes beyond the traditional science subjects to offer a deeper understanding of the issues related to sports, exercise and health in the 21st century. The course incorporates the traditional disciplines of anatomy and physiology, nutrition, biomechanics, psychology, which are studied in the context of sports, exercise, and health. Students will also carry out experimental investigations. The course thus provides students with the opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance.



## IB SPORTS, EXERCISE AND HEALTH SCIENCE SL

**Course #: 25209**

**Grades: 11, 12**



This course incorporates the disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. This course is aligned to the DP curriculum and open to all students. A combination of coursework and experimental labs provide the opportunity for students to acquire the knowledge and understanding necessary to apply scientific principles and analyze human performance. The course has strong international dimensions such as international sporting competition and the international bodies that regulate them. Ethical issues that exist within sporting competitions are considered. The comprehensive curriculum provides excellent preparation for university courses including those specifically related to Sport, Sports Science or Physical Education.

## MYSELF IN NATURE 1: ENVIRONMENTAL FIELD PRACTICES

**Course #29110**

**Grades: 10, 11, 12**

**Credits: 0.5**

This course allows students to explore and develop a closer connection to the physical world by examining their relationship to the places and spaces they inhabit. The course will investigate concepts and perspectives related to the design and organization of interior and exterior spaces and consider philosophical and ethical issues regarding “Best Use” in urban, suburban, rural, and wilderness environments. Optional field experiences may be offered. This semester will cover plant and animal identification, data collection, and interpretation. Students will also learn safety and survival skills on long excursions into the “wilderness”.

## MYSELF IN NATURE 2: ENVIRONMENTAL FIELD STUDIES APPLIED

**Course #99110**

**Grades: 12**

**Credits: 0.5**

This course offers a unique opportunity for students to examine the relationship between human beings and nature through class work and field experiences. The focus of the course is an eight-day wilderness field trip. This course includes studies in ecology, risk management, social science, history, and wilderness trekking and survival. This semester will cover conservation practices and evaluating their efforts. The overarching question is: “Should we preserve spaces as they are or allow nature to reclaim and continue its natural process of progression?” Field skills will be reviewed and expanded, emphasizing observational analysis and Natural Resource Management. The course is specially designed for students with little or no experience in wilderness camping and seeking to meet the backcountry's physical, intellectual, and emotional challenges. The wilderness trip is optional. A fee will be charged to cover the trip and course costs. Participants should expect personal expenses for boots, clothing, and other personal equipment to cost another \$200-\$300. The school can provide most of the required camping equipment, including a sleeping bag, backpack, and rain gear.

## MICROBIOLOGY

**Course#: 23203**

**Grades: 11, 12**



This course is designed for students looking to gain lab experience in a specialized area of biology focusing on how microbes affect human health, the pharmaceutical industry and the environment we live in. Emphasis will be placed on how microbes are involved in the development of disease and why they play an important role in our daily lives. Using skills and techniques learned in a microbiology lab, students will be able to explore a world they know exists, but is not visible to the human eye. This course will provide students who are interested in pursuing any of the biological sciences with a college level lab experience. *This semester course is offered during fall and spring semesters and grants one-half credit in Science.*

## PHYSICS OF THE UNIVERSE

**Course #: 25401**

**Grades: 10 (DP Students only), 11, 12**



In this Michigan Science Standards aligned course sequence, the story of physics moves from observable phenomena (flow of charge, interference of light, orbits of planets, free fall of objects) to the force fields that govern them (electric, magnetic, and gravitational). The Earth and Space Science topics of cosmology, such as the universe and star formation, and plate tectonics are embedded into this scope and sequence and provide a context for the application of physical science concepts.

## PROFESSIONAL LEARNING PATHWAYS: BIOMED

**Course #: 20200**

**Grades: 12**

**Credits: 1.0 Science & 1.0 Math (Stats)**

The Biomedical Pathway provides students with multiple opportunities to engage in experiential learning and develop the transformative knowledge and skills to be literate in any biomedical profession. Students enrolled in the program will collaborate with medical professionals, university personnel, and district educators to develop the knowledge and skills required for biomedical careers in the 21st century.

## PROFESSIONAL LEARNING PATHWAYS: SCIENCE OF AGRICULTURE, FOOD AND NATURAL RESOURCES

**Course#: 25523**

**Grades: 11, 12**

**Credits: 1.0**

Hosted at the Charles L. Bowers School Farm, the Science of Agriculture, Food, and Natural Resources (AFNR) course introduces students to the range of agricultural opportunities and the pathways of study they may pursue. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout the CASE™ curriculum. Throughout the course, activities are used to develop and improve employability skills of students through practical applications. Students will explore career and post-secondary opportunities in each area of the course. Students in the AFNR course will experience hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Exploring animal and veterinary science includes participating in hands-on lab activities and daily animal husbandry. Students will work directly with all the on-site farm animals including goats, sheep, horses, pigs, chickens, and rabbits, observing behavior and caring for their welfare. *This double-block class that earns 1 credit per semester.*

## PROFESSIONAL LEARNING PATHWAYS: VETERINARY SCIENCE

**Course #: 25529**

**Grades: 12**

**Credits: 2.0**

This course will develop students' understanding of the small and large animal industry, animal anatomy and physiology, advanced animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Students can also establish a supervised agricultural experience program and participate in FFA activities. FFA and Supervised Agricultural Experience projects are an integral part of the Agriculture Education model, so participation in these activities is a firm expectation for this course; however, these events typically take place outside of the school day and that should be taken into account when choosing to enroll in this course. *This double-block class that earns 1 credit per semester. \*Curriculum for Agricultural Science Education (CASE) is a nationally recognized high school agricultural education curriculum that uses rigorous and relevant curriculum through a project-based approach that engages students with science, mathematics, and English language understanding.*

## ZOOLOGY A

**Course#: 25224**

**Grades: 10, 11, 12**

 **Credits: 0.5**

Zoology is an area of natural science that focuses on the structure and function of various organisms in the animal kingdom. This course is designed for students interested in exploring concepts regarding the comparative anatomy, embryology, and behavioral habits of vertebrates. In addition to class discussion, hands-on lab activities and dissections will accompany course material taught during class. Zoology A takes place in the fall semester, primarily focusing on cell biology, livestock and small animal anatomy, physiology, welfare & management, and behavior. This course grants one-half credit in Science.

## ZOOLOGY B

**Course#: 95224**

**Grades: 10, 11, 12**



**Credits: 0.5**

Zoology is an area of natural science that focuses on the structure and function of various organisms in the animal kingdom. This course is designed for students interested in exploring concepts regarding the comparative anatomy, embryology, and behavioral habits of vertebrates. In addition to class discussion, hands-on lab activities and dissections will accompany course material taught during class. Zoology B takes place in the spring semester, primarily focusing on embryology, livestock and small animal anatomy, physiology, welfare & management, and behavior. This course grants one-half credit in Science.

# SOCIAL STUDIES

## ADVANCED PLACEMENT AMERICAN GOVERNMENT & POLITICS

**Course #: 26503**

**Grades: 11, 12**

 **Credits: 1.0**

This course will examine the original elements of American Government with the goal of bringing depth to fundamental concepts and issues in American Government. Students will be expected to use and develop their writing skills while completing course objectives. Class discussion is essential and intended to develop public speaking skills while promoting a healthy environment for public discourse and critical thinking. This course is yearlong and students are discouraged from entering at mid-semester. The AP American Government course covers all content required to meet the graduation requirement and continues in-depth to give the student essential background necessary for the A.P. examination. *(This two semester course fulfills the state requirement of Civics.)*

## ADVANCED PLACEMENT EUROPEAN HISTORY

**Course #: 26421**

**Grades: 11, 12**

 **Credits: 1.0**

This course is intended to prepare students for the Advanced Placement examination in European History. The course content focuses on political and diplomatic events, economic and social changes, and the development of European cultures from the fourteenth century to the present. Students who choose, but are not required to enroll in AP Literature and Composition will see connections between the content of both courses and experience interdisciplinary learning when appropriate. *This two semester course grants one elective credit in Social Studies.*

## ADVANCED PLACEMENT MACROECONOMICS

**Course #: 96216**

**Grades: 11, 12**

 **Credits: 0.5**

Offered 2<sup>nd</sup> Semester Only This course is an introduction to macroeconomics designed to prepare students for college economics and the Advanced Placement Macroeconomics Test. It will include units in basic economic concepts, alternative economic systems, measuring economic performance, Keynesian and classical fiscal theory, monetary and fiscal combinations, and the U.S. in the global economy. It is strongly recommended that students take both Macro and Micro. *If students do not take both AP Microeconomics and AP Macroeconomics, students must demonstrate proficiency in the High School Content Expectations for Economics.*

## ADVANCED PLACEMENT MICROECONOMICS

**Course #: 26217**

**Grades: 11, 12**

 **Credits: 0.5**

Offered 1<sup>st</sup> Semester Only This course is an introduction to microeconomics designed to prepare students for college economics and the Advanced Placement Microeconomics Test. Microeconomics includes units in the basic economic problem, supply and demand, the nature and function of markets, government regulation, and the theory of the firm and factor markets. It is strongly recommended that students take both Micro and Macro. *If students do not take both AP Microeconomics and AP Macroeconomics, students must demonstrate proficiency in the High School Content Expectations for Economics.*

## ADVANCED PLACEMENT PSYCHOLOGY

**Course#: 26604**

**Grades: 11, 12**



**Credits: 1.0**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological parts, principals, and phenomena associated with each of the major subfields within psychology. Students also learn about ethics and methods psychologists use in their science and practice. *(This two semester course grants one credit of Social Studies.)*

## ADVANCED PLACEMENT U.S. HISTORY

**Course #: 26423**

**Grades: 10**



**Credits: 1.0**

This course is offered for those students who may wish to prepare for the advanced placement exam, or for those who may wish to obtain greater depth of knowledge in the subject matter than the regular survey course affords. The course is designed to provide an examination of political, economic, diplomatic, and social developments from colonial times to the present, with some explanation of cultural and intellectual experiences. Emphasis will be placed upon the reading of major schools of historical interpretation and learning the foundations of historical writing and research. This course will have timelines and skills aligned with American Literature. The History and English teachers will collaborate on several units throughout each semester so that all students will benefit from a shared interdisciplinary experience. *This two semester course fulfills the state requirement of US History and Geography.*

## ADVANCED PLACEMENT WORLD HISTORY

**Course #: 26455**

**Grades: 11, 12**



**Credits: 1.0**

This course is a survey of world history from 8000 BCE to the present, emphasizing broad patterns and processes that explain change and continuity over time. The course will continually challenge students to make connections among central themes of the World historical experience, including the relationship of change and continuity from 8000 BCE to the present, the impact of interaction among and within major societies, the impact of technology, economics, and demography on people and the environment, systems of social and gender structure, cultural, religious, and intellectual developments, and finally changes in functions and structures of states and in attitudes toward states and political identities, including the emergence of the nation-state.

Students who choose, but are not required to enroll in AP Literature and Composition will see connections between the content of both courses and experience interdisciplinary learning when appropriate.

## AFRICAN AMERICAN STUDIES

**Course #: 26713**

**Grades: 11, 12**

**Credits: 0.5**

This U.S. History course focuses on African American culture, people, ideas, and events. Students will explore key themes such as oppression, empowerment, community, identity, and citizenship. African American history is structured around a variety of source materials within each unit of study. Students will be expected to interpret primary and secondary sources, including oral histories, music, artwork, and film. Emphasis is placed on human-designed systems that have amplified or silenced American voices. Upon completion, students will gain a new perspective on diversity, equity, and inclusion in America. *(Successful completion of the course will earn .5 credits as a Social Studies elective.)*

## AMERICAN GOVERNMENT

**Course #: 26502**

**Grades: 10 (DP Students only), 11, 12**



**Credits: 0.5**

This course is designed to provide each student with the knowledge, skills, and experiences necessary for him or

her to take an active and responsible role as an American citizen. This course is an analysis of the form and function of our federal, state, and local governments. Throughout the course, the rights and responsibilities of citizens are stressed. *This one semester course fulfills the state requirement of Civics.*

## CULTURAL HISTORY: SPORT AND COMPETITION IN SOCIETIES I AND II

**Course #: 26014**

**Grades: 11, 12**

 **Credits: 0.5**

This course examines the development of sports throughout world history. Students will explore how primitive blood sports have evolved over millennia to become highly organized, socially promoted and corporately sponsored careers. This course will focus much less on simply the results of athletic events, but how broader themes such as immigration; industrialization; globalization; nationalism; social class; conflict between labor and management; gender and evolving ideas of masculinity and womanhood; race and ethnicity; civil rights; and the media have played out on the athletic field of play and beyond. The course will consist of readings, films, discussions, projects and group presentations. (Successful completion of each semester course grants 0.5 elective credit in Social Studies).

## CURRENT ISSUES

**Course #: 26800**

**Grades: 11, 12**

 **Credits: 0.5**

This course is designed to explore the critical issues facing the world today. The major course objective is to enable students to analyze and discuss public issues. Both national and international challenges and opportunities will be explored, with emphasis on spirited discussion and debate. *(This one semester course grants 0.5 elective credit in Social Studies.)*

## DETROIT PAST AND PRESENT

**Course #: 26410**

**Grades: 11, 12**

**Credits: 0.5**

This is an inquiry-based course that investigates the political, social, and cultural history of Detroit from its indigenous roots until the present. Detroit will be used as a case study of how policies and world events shape a region. Students will analyze and evaluate how structures of power shaped and reshaped class, labor, race & geography. Also, contemporary forms of art will be highlighted through music, writing, and architecture. This class will use project-based and experiential learning styles through field trips and speakers who hold first-hand experience with the events and the communities we will explore.

## ECONOMICS

**Course #: 26200**

**Grades: 10 (DP Students only), 11, 12**

 **Credits: 0.5**

Students will understand how economies function and how to apply the concepts and principles of economics to their lives as individuals and as citizens. The course will emphasize four areas. Microeconomics will look at decisions of the market system based on scarcity, opportunity, cost, and interactions of buyers and sellers. Macroeconomics looks at the national economy including inflation, unemployment, monetary and fiscal policies, and the Federal Reserve. International economics looks at specialization and trade. Personal finance includes understanding and applying personal financial issues and strategies. *(This one semester course fulfills the state requirement of Economics.)*

## HEALTH PSYCHOLOGY

**Course #: 26611**

**Grades: 11, 12**

**Credits: 0.5**

This class is designed to facilitate the student's exploration of health, wellbeing and longevity. Students will learn about health psychology, positive psychology, techniques to decrease stress, mindfulness meditation and health paradigms from other cultures. This biopsychosocial model of managing wellness is a holistic approach that is

used in mind/body clinics in hospitals throughout the country. Students will maintain a journal of self-reflections, read a book in the content area, practice mindfulness meditation, investigate centenarians and the Blue Zones. The information and projects are designed to facilitate self-reflection and personal growth. This semester course grants one-half credit in Social Studies.

## **IB PSYCHOLOGY HL I**

**Course #: 26466**

**Grades: 11**

**Credits: 1.0**

At the core of the IB psychology course is an introduction to three different approaches to understanding behaviour: the biological, cognitive and sociocultural approaches. Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields.

The interaction of these approaches to studying psychology forms the basis of a holistic and integrated approach to understanding mental processes and behaviour as a complex, dynamic phenomenon, allowing students to appreciate the diversity as well as the commonality between their own behaviour and that of others.

Psychologists employ a range of research methods, both qualitative and quantitative, to test their observations and hypotheses. IB psychology promotes an understanding of the various approaches to research and how they are used to critically reflect on the evidence as well as assist in the design, implementation, analysis and evaluation of the students' own investigations.

\*Adapted from IB Psychology on IBO.org

## **IB PSYCHOLOGY HL II**

**Course #: 26468**

**Grades: 12**

**Credits: 1.0**

At the core of the IB psychology course is an introduction to three different approaches to understanding behaviour: the biological, cognitive and sociocultural approaches. Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields.

The interaction of these approaches to studying psychology forms the basis of a holistic and integrated approach to understanding mental processes and behaviour as a complex, dynamic phenomenon, allowing students to appreciate the diversity as well as the commonality between their own behaviour and that of others.

Psychologists employ a range of research methods, both qualitative and quantitative, to test their observations and hypotheses. IB psychology promotes an understanding of the various approaches to research and how they are used to critically reflect on the evidence as well as assist in the design, implementation, analysis and evaluation of the students' own investigations.

In IB PSYCH 1, the applied area of study is Abnormal Psychology (Anxiety, Depression, Obsessive Compulsive Disorder, Trauma/PTSD, Stress and/or Eating Disorders).

In IB PSYCH 2, the applied area of study will be Psychology of Relationships (Personal Relationships, Group Dynamics and/or Social Responsibility).

## **IB WORLD RELIGIONS**

**Course #: 26100**

**Grades: 11, 12**



**Credits: 1.0**

The IB DP World Religions course is a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in nine main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions. The religions are studied in such a way that students acquire a sense of what it is like to belong to a particular religion and how that influences



the way in which the followers of that religion understand the world, act in it, and relate and respond to others. The aims of the world religions standard level courses are to: promote an inquiring, analytical and empathetic approach to the study of religion; develop an informed understanding of the diversity of world religions; foster a respectful awareness of the significance of the beliefs and practices for the faith member; develop an understanding of how religion affects people's lives; encourage a global appreciation of the issues surrounding religious and spiritual beliefs, controversies and movements in the world today; and promote responsible and informed international citizenship. IB DP World Religions is a one year International Baccalaureate Diploma Programme course. All students are welcome to enroll in this course as a social studies elective. A standard level (SL) Group 3 candidate will elect this course in either the junior or senior year. At the end of this course, standard level (SL) students will take the IB Standard Level examination for credit towards their IB Diploma.

## IB EUROPEAN HISTORY 1

**Course #: 26424**

**Grades: 11, 12**

 **Credits: 1.0**

IB European History 1 takes a regional focus on European history with an in-depth examination of the French Revolution & Napoleon, Imperial Russia and the Russian Revolution, The Second World War, and the Rule of Stalin. Students are tasked with investigating this history using various resources, methods, and critical reflection. Students will refine their understanding of history conceptually and evaluate multiple perspectives and their implications. Students will gain knowledge of the historical events and impacts on the region and awareness and appreciation of diverse cultural experiences. This course also guides students through the IB's internal assessment - The Individual Historical Investigation. IB European History I is required for IB Diploma Programme candidates and certificate students planning on taking the IB HL exam in History. All students are welcome to enroll in this course as a social studies elective.

## IB WORLD HISTORY 2

**Course#: 26111**

**Grades: 11, 12**

 **Credits: 1.0**

IB World History 2 examines the rise of aggressive, expansionist militarism in the Interwar Period to help students gain confidence in analyzing and evaluating source materials. The course also focuses on writing historical narratives and critiques via an in-depth study of select 20th-century authoritarian states and the causes and effects of wars. The course also guides students through the IB's internal assessment - the Individual Historical Investigation. IB World History 2 is required for Diploma Programme candidates and certificate students planning on taking either IB SL or HL exams in History. All BHHS students are welcome to enroll in this course as a social studies elective.

## INTERNATIONAL STUDIES: MODEL UNITED NATIONS

**Course #: 26000**

**Grades: 9, 10, 11, 12**

 **Credits: 0.5**

This course will introduce students to differing political structures in place in the world today. Students will also examine the political histories of countries from each of the major continents. In addition, current global issues will be explored, focusing on the causes and potential consequences of them. The Model United Nations Program, as supported by the International Baccalaureate, will be incorporated throughout the course. *This course can be re-elected for additional elective credit. (Successful completion of the course will earn .5 credits as a Social Studies elective.)*

## PSYCHOLOGY I

**Course#: 26600**

**Grades: 10, 11, 12**

 **Credits: 0.5**

Psychology I is designed to introduce students to some of the major topics in psychology. Beginning with the



historical development of psychology, students will learn the foundation of this social science, including consciousness, personality, and psychopathology, while applying modern theoretical perspectives. *(This one semester course grants 0.5 elective credit in Social Studies.)*

## SOCIOLOGY

**Course#: 26701**

**Grades: 11, 12**



**Credits: 0.5**

Sociology is a study of society, the behavior of human groups, and of social organization. Topics covered include the following: Deviant behavior, crime and violence, socialization, cultural and ethnic minorities, role and status, social class, and social change. *(This one semester course grants 0.5 elective credit in Social Studies.)*

## THEORIES OF SELF

**Course#: 26614**

**Grades: 11, 12**



**Credits: 0.5**

This class is designed to facilitate the student's exploration of theories related to self and personal identity from a counseling psychology perspective. A variety of strategies and creative projects, including a Jungian archetypal masks, will be used to encourage students to investigate their own stories of personal development. In addition, growing areas in contemporary psychology will be introduced, such as Animal Behaviorism (Ethology) and how our microbiome impacts our psychology. This semester course grants one-half credit in social studies.

## U. S. HISTORY

**Course#: 26419**

**Grades: 10**



**Credits: 1.0**

This course will examine the development, growth, and challenges of our institutions and culture from the period of industrial growth after the Civil War to the present. The course emphasis will be on having students gain an historical, economic, political, and geographic perspective on the United States. Students will develop inquiry and communication skills through selected research, interpretation and critical analysis of primary source material, and civic centered participation projects while developing an appreciation for the wide variety of human experiences. This course will have timelines and skills aligned with American Literature. The History and English teachers will collaborate on several units throughout each semester so that all students will benefit from a shared interdisciplinary experience. *(This two semester course fulfills the state requirement of US History and Geography.)*

## WORLD HISTORY

**Course#: 26011**

**Grades: 9**



**Credits: 1.0**

This course takes a global and comparative approach to studying the world, its past, and geography to develop a greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. This course balances the historical, political, economic, and social interactions of people in all regions of our world while emphasizing the development of a variety of academic skills necessary for success in high school social studies. *(This two semester course fulfills the state requirement of World History and Geography.)*

# SPECIAL EDUCATION

## ALGEBRA 1A

**Course#:** 29301

**Grades:** 9, 10, 11, 12



**Credits:** 1.0

This course covers semester one of Algebra I. It provides students two semesters to cover the same content as Algebra I. Students will learn algebraic concepts while deepening their foundation of algebra. The course broadens the study of linear relationships and multiple representations. A current Individualized Education Plan—IEP—is required for enrollment in this course.

## ALGEBRA 1B

**Course#:** 29302

**Grades:** 10, 11, 12



**Credits:** 1.0

This course covers semester two of Algebra I. It provides students two semesters to cover the same content as Algebra I. This course continues to broaden the study of linear relationships to include systems of equations, absolute value and families of functions. A current Individualized Education Plan—IEP—is required for enrollment in this course.

## BASIC READING

**Course#:** 29405

**Grades:** 9, 10, 11, 12

**Credits:** 1.0

Basic Reading addresses reading, writing, spelling, grammar, language, and vocabulary. Basic Reading is conducted throughout two class periods, ensuring students receive reading instruction every day. This class incorporates many intervention programs and students' IEP goals and objectives. *This course is designed for students in the Academic Resource Program.*

## DAILY LIVING #1

**Course#:** 29451

**Grades:** 9, 10, 11, 12

**Credits:** 0.5

This course is designed to develop skills necessary for an independent living situation. The students will explore social skills including respect, compassion, responsibility, perseverance, cooperation and conflict resolution. The second part of this course will include caring for personal needs and recreation/leisure experiences in the community. *This course is designed for students in the Academic Resource Program.*

## DAILY LIVING #2

**Course#:** 29452

**Grades:** 9, 10, 11, 12

**Credits:** 0.5

This course is designed to develop skills necessary for an independent living situation. The students will manage personal care needs including first-aid, home repair, and household medical care. Students will learn to buy, prepare and consume food. Students will also learn to buy and care for personal clothing. *This course is designed for students in the Academic Resource Program.*

## DIRECTED STUDIES

**Course#:** 29456

**Grades:** 10, 11, 12

**Credits:** 0.5\*

Directed Studies provides a wide range of services including individualized assistance in general education courses,

vocational/career and life skills counseling, and basic classroom instruction when required. A current Individualized Education Plan—IEP— is required for enrollment. Caseload teacher and course number to be assigned by counselor. \*This course may be repeated for additional credit. Grading for this course is credit based, with only a pass or fail option.

## **MATH QUEST**

**Course#: 29408**

**Grades: 9, 10, 11, 12**

**Credits: 1.0**

Math Quest is a journey through math as it relates to our world today. Recognizing that money math, measurements, concepts of time, reading calendars and math computer applications all influence our lives on a daily basis. Basic Math Skills, Touch Math, and Banking Math will all be used as tools to support this course. This course is designed for students in the Academic Resource Program.

## **TRANSITION #1**

**Course#: 29454**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course is designed to explore individual interests, attitudes, and abilities in the work arena. The student will gain an awareness of job opportunities and information needed for acceptable job application/interview skills. The second part of this course will cover self-advocacy skills including disability awareness, making informed decisions, the rights of individuals, and understanding individual strengths. This course is designed for students in the Academic Resource Program.

## **TRANSITION #2**

**Course#: 29455**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course is designed to enhance individual interests, attitudes and abilities in the work arena. The students will expand their new found knowledge of job related and self-advocacy skills through multiple work based learning experiences. Students will assemble work portfolio upon completion of this course. This course is designed for students in the Academic Resource Program.

## **WORK-SITE BASED LEARNING**

**Course#: 29371**

**Grades: 9, 10, 11, 12**

**Credits: 0.5\***

The Individualized Educational Planning Team—IEPT—must make the recommendation for a student to participate in Work-Site Based Learning. All options can be completed during or after school. After school hours requires 150 clock hours for each 1/2 (.5) credit. *\*This course may be re-elected for additional credit.*

Options include:

- Work Experience:  
A paid or non-paid work placement within a chosen career area
- Individual Vocational Training:  
A non-paid vocational training placement within the community when appropriate training programs are not available
- Work Study:  
A paid or non-paid job placement based on previous or present vocational training

# VISUAL ARTS

## ADVANCED CERAMICS/SCULPTURE

**Grades: 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Ceramics/Sculpture (27211), “Advanced” designation will be granted after the third week of school. Students will continue building their Ceramic and Sculpture skills in advanced Ceramic and Sculpture class. This accelerated course builds upon the knowledge and understanding gained from the prerequisite course in Ceramics/Sculpture. Students will further hone their wheel throwing and hand building skills and explore glaze creation and new decoration skills. They will also delve into personal projects exploring new ideas as well as their strengths and weaknesses with the medium. Students will demonstrate knowledge of vocabulary terms and make use of their journal sketchbook. Students electing this course for additional credit will enhance their ceramic and sculptural skills. By completing this course students’ transcripts will more accurately reflect their skill level.

## ADVANCED DRAWING

**Grades: 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Drawing (27303), “Advanced” designation will be granted after the third week of school. Advanced Drawing students will continue building their Drawing skills in Advanced Drawing class. This accelerated course builds upon the knowledge and understanding gained from skills established in Drawing. Students will further their skills and explore new techniques and materials. They will also delve into personal projects, exploring new ideas as well as their strengths and weaknesses with the medium. Students will demonstrate knowledge of vocabulary terms and make use of their journal sketchbook. *\*This course may be re-elected for additional credit.*

## ADVANCED GRAPHIC DESIGN

**Grades: 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Graphic Design (27115), “Advanced” designation will be granted after the third week of school. Students will continue building their design skills in Advanced Graphic Design. Students will be expected to complete more accelerated projects and produce a portfolio of their work. Students will solve “real world” design problems using industry standard software (Adobe Illustrator and Photoshop). Additional emphasis will be placed on the use of technology as a means for design as well as a tool for creating art. The utilization of handmade elements in Graphic Design will also be addressed. Once students have completed Graphic Design and take a second semester of Advanced Graphic Design, their transcripts will more accurately reflect their skill level.

## ADVANCED JEWELRY/METALSMITHING

**Grades: 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Jewelry/Metalsmithing (27231), “Advanced” designation will be granted after the third week of school. Students will continue building their Metalsmithing skills in advanced jewelry. Students would be expected to complete more advanced projects. Once students have completed the first semester of Jewelry/Metalsmithing and take a second semester of Jewelry/Metalsmithing their report card will more accurately reflect their true skill. *\*This course may be re-elected for additional credit.*

## ADVANCED PAINTING

**Grades: 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Painting (27323), “Advanced” designation will be granted after the third week of school. Advanced Painting Students will continue building their Painting skills in Advanced Painting class. This accelerated course builds upon the knowledge and understanding gained from skills established in Painting. Students will further their skills and explore new techniques and materials. They will also delve into personal projects, exploring new ideas as well as their strengths and weaknesses with the medium. *\*This course may be re-elected for additional credit.*

## ADVANCED PHOTOGRAPHY

**Grades: 10, 11, 12**

**Credits: 0.5**

Students interested in taking this course should enroll in Darkroom to Digital (27411). “Advanced” designation will be granted after the third week of school. This is an accelerated course that builds upon the knowledge and understanding gained from the prerequisite course Photography: Darkroom to Digital. Students will further investigate the 35mm camera, black and white film and printing, digital photography with Photoshop, and alternative silver processes. Students will have a vocabulary of both the darkroom and digital world and be able to work seamlessly between both venues. Students electing this course for additional credit will enhance their photographic skills and continue the development of their portfolio. *\*This course may be re-elected for additional credit.*

## ADVANCED DIGITAL ART

**Grades: 10, 11, 12**



**Credits: 0.5**

Students interested in taking this course should enroll in Digital Art (27117)\*, “Advanced” designation will be granted after the third week of school. Students will continue honing their design skills in Digital Art. Students will be expected to complete more accelerated projects and produce a portfolio of their work. Students will continue to create unique visual imagery using photo collage techniques in Adobe Photoshop as well as the deeper exploration of digital painting. Students will continue to explore combining hand-painted artwork with digital elements. Once students have completed one semester of Digital Art and take a second semester of Advanced Digital Art, their transcripts will more accurately reflect their skill level.

## ADVANCED PLACEMENT ART AND DESIGN

**Course #: 27424**

**Grades: 11, 12**

**Credit: 1.0**

*At least 3 art courses are strongly suggested. In addition, a portfolio review is highly recommended for guidance and placement purposes.*

The AP Art and Design program consists of three different courses and AP Portfolio Exams—AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing—corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams. Students create a portfolio of work to demonstrate inquiry through art and design and demonstrate development of materials, processes, and ideas over a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

*\*It is recommended that students have taken at least 3 Visual Arts courses at BHHS or at an outside art studio*

before registering for AP Art and Design. A portfolio review is suggested if a student does not meet these recommendations.

\*\*It is suggested that 11th-grade students conference with the AP Art and Design teacher regarding placement or if waiting until 12th grade would be a better choice.

Rationale:

\*AP Art and Design is focused on individual studio work time and development of thematic artwork. Material and technique choices should be made in advance of starting the class.

\*\*Some 11th students would benefit from an additional semester or 2 in a specific course like drawing or ceramics, then take AP as a 12th grader.

## CERAMICS/SCULPTURE

**Course #: 27211**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course enables students to learn the basic skills of hand building, wheel throwing, glazing, and firing ceramic objects. Techniques to be used include pinch, coil, and slab building; throwing off the wheel head and off the mound; selection, mixing, and application of glaze; and gas, electric, and alternative fuel firing. Subsequent semesters will allow each student to further develop their personal expression and their portfolio. *\*This course may be re-elected for additional credit.*

## DIGITAL ART

**Course #: 27117**

**Grades: 10, 11, 12**



**Credits: 0.5**

Digital Art introduces students to digital drawing and painting fundamentals in Adobe Photoshop. Students will use tools and techniques like digital tablets, brushes, layers, color, and clipping masks to create artwork on the digital canvas. Students will experiment with different approaches to image-making as they develop their skills in response to creative prompts, including art history, contemporary art, literature, and music. The course encourages artistic exploration, individual expression, and critical thinking.

\*With teacher approval, students may use alternate programs to Photoshop, such as Procreate.

\*\*After completing the first semester of Digital Art, students may enroll in subsequent sequential semesters of Advanced Digital Art

## DRAWING

**Course#: 27303**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

In this course students will explore drawing techniques and styles. We will study and apply the elements and principles of design, contour line, shading, cross hatching, stippling, perspective, portraits and proportion. Students will also gain an understanding of two-dimensional composition through the use of wet and dry media, including various printmaking techniques. Craftsmanship, content and personal style are emphasized! *\*This course may be re-elected for additional credit.*

## FANTASY & SCI-FI ART

**Course#: 27114**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This class is designed for fans of video games, sci-fi movies and comics. We will explore the basic elements of fantasy and sci-fi artwork including character design, environments, vehicles and props. Students will learn about concept sketching, illustration, digital painting and 3D sculpting. Imagination and personal style are emphasized!

\*A semester of drawing or graphic design is highly recommended prior to taking this course. This course may be re-elected for additional credit.

## GRAPHIC DESIGN

**Course#: 27115**

**Grades: 9, 10, 11, 12**



**Credits: 0.5**

This course is an introduction to basic visual communications and fundamentals in the field of graphic design. Students will discover how to integrate elements and principles of design, typography and imagery in a variety of applications. Students will solve "real world" design problems using industry standard software with an emphasis on learning Adobe Illustrator. *\*This course may be re-elected for additional credit.*

## IB VISUAL ARTS HL I

**Course#: 27350**

**Grades: 11**

**Credits: 1.0**

It is recommended that students take at least three visual arts courses prior to beginning IB Visual Arts. IB Visual Arts course is designed for committed, hardworking student/artists. The curriculum of this course is divided into studio and exploration. This course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art makers.

This is the first of a two year sequence for DP Candidates and students wishing to pursue the IB certificate for this course. This course includes three areas of assessment by the International Baccalaureate. Students complete a Cultural Art Comparison project, they curate an Exhibition of their resolved work, and submit a Process Portfolio of their learning over the two years. This course is open to all 11th and 12th grade students.

## IB VISUAL ARTS SL I

**Course #: 27351**

**Grades: 11**

**Credits: 1.0**

This course aims to prepare the student to meet the requirements of the portfolio for evaluation, while investigating in historical artists and their culture and where exploring will promote the learner profile and personal responsibility, as well as, present and emerging forms of visual arts where the students will engage in study, discussion, appreciation and evaluation. The art students will build confidence in their responsibility as a citizen that communicates visually and creatively their personal and cultural vision and experiences. They will develop skills in sensitivity, the creation of work that reflects active and individual involvement. They will learn the responsibility of being an active learner through a strong work ethic and exploratory endeavor.

## IB VISUAL ARTS SL II

**Course #: 27352**

**Grades: 12**

**Credits: 1.0**

This course aims to prepare the student to meet the requirements of the portfolio for evaluation, while investigating in historical artists and their culture and where exploring will promote the learner profile and personal responsibility, as well as, present and emerging forms of visual arts where the students will engage in study, discussion, appreciation and evaluation. The art students will build confidence in their responsibility as a citizen that communicates visually and creatively their personal and cultural vision and experiences. They will develop skills in sensitivity, the creation of work that reflects active and individual involvement. They will learn the responsibility of being an active learner through a strong work ethic and exploratory endeavors. *(This class is the second year of a two-year sequence.)*

## IB VISUAL ARTS HL II

**Course #: 27353**

**Grades: 12**

**Credits: 1.0**

This course aims to prepare the student to meet the requirements of the portfolio for evaluation, while investigating in historical artists and their culture and where exploring will promote the learner profile and personal responsibility, as well as, present and emerging forms of visual arts where the students will engage in study, discussion, appreciation and evaluation. The art students will build confidence in their responsibility as a citizen that communicates visually and creatively their personal and cultural vision and experiences. They will develop skills in sensitivity, the creation of work that reflects active and individual involvement. They will learn the

responsibility of being an active learner through a strong work ethic and exploratory endeavors. *(This class is the second year of a two-year sequence.)*

## **JEWELRY/METALSMITHING**

**Course #: 27231**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

The production of small, three-dimensional art objects, such as jewelry and small sculptures, using both casting and fabrication techniques, will be stressed in this course. Metalsmithing processes used will include the following: forming wax models, sawing, filling, sanding, piercing, raising, and texturing. The creation of art objects using materials such as slumped glass, clay, plastics, and wood may also be investigated. Subsequent semesters will allow each student to further develop their personal expression and their portfolio. This course is offered as staff and facilities permit. *\*This course may be re-elected for additional credit.*

## **PAINTING**

**Course#: 27323**

**Grades: 9, 10, 11, 12**

**Credits: 0.5**

This course introduces students to classical and contemporary painting, techniques and concepts. There will be an emphasis on encouraging individuality and creativity as well as the understanding of vocabulary and the fundamentals of artistic expression. Various painting styles and mediums will be explored. We will be painting from still-life, landscape, and life models from observation. Previous painting experience is not a prerequisite for this course, however a semester of drawing is strongly suggested prior to taking this course. *\*This course may be re-elected for additional credit.*

## **PHOTOGRAPHY**

**Course#: 27111**

**Grades: 9, 10, 11, 12**



**Credits: 0.5**

Photography is a way to capture your journey through life. Using smartphones or digital cameras, students will learn how to take better photos while exploring the elements and principles of design and composition. Students will learn basic and advanced editing techniques in Photoshop to enhance images and create digital collages and manipulated photos. Combining photography with digital imaging empowers students to examine their vision and explore infinite ways to create images.

*\*After completing the first semester of Photography, students may enroll in subsequent sequential semesters of Advanced Photography.*



# WORLD LANGUAGES

## AMERICAN SIGN LANGUAGE 100

**Course#:** 22501

**Grades:** 9, 10, 11, 12

 **Credits:** 1.0

This course is an introduction to American Sign Language, the language used by the Deaf community in the United States and most of Canada. This course will provide students with beginning ASL communication skills and basic information on Deaf culture and the history of deafness. This course of study focuses on dialogues that provide and strengthen practical skills and knowledge necessary for basic interactions within the Deaf community.

## AMERICAN SIGN LANGUAGE 200

**Course#:** 22502

**Grades:** 9, 10, 11, 12

 **Credits:** 1.0

This course reviews basic concepts taught in American Sign Language 100 with greater emphasis on ASL linguistic structure and concentrated efforts to develop the student's expressive and receptive skills. Class activities will focus on initiating and maintaining a signed dialogue through meaningful context as well as further vocabulary development.

## AMERICAN SIGN LANGUAGE 300

**Course#:** 22503

**Grades:** 9, 10, 11, 12

 **Credits:** 1.0

This third American Sign Language course is for students with intermediate skills interested in continuing the study and practice of conversational signing, grammar and fluency. Most interaction between students and teachers is expected to be in ASL.

## AMERICAN SIGN LANGUAGE 400

**Course#:** 22504

**Grades:** 9, 10, 11, 12

 **Credits:** 1.0

This course is designed for self-motivated students looking to develop more advanced signing skills. Students need successful completion of ASL 300 to succeed in this course which is primarily conducted in ASL.

## CHINESE 100

**Course#:** 22801

**Grades:** 9, 10, 11, 12

 **Credits:** 1.0

This course is designed to introduce students to the language, history, and culture of China. Emphasis in the first year is on vocabulary and conversation skills. A variety of classroom and extracurricular activities will be used to appreciate the holidays, philosophies, and customs of traditional China.

## CHINESE 200

**Course #** 22802

**Grades:** 10, 11, 12

 **Credits:** 1.0

This course is a continuation of Chinese 100. Students who have a background in Pinyin and Chinese characters are also encouraged to attend. The language skills learned in the first-year course will be reinforced and extended. In addition, we will be looking at the history of China in the modern era.

## CHINESE 300

**Course#: 22803**

**Grades: 10, 11, 12**



**Credits: 1.0**

This course provides for the sequential development of linguistic proficiency. At this level students learn to communicate in a variety of situations. Supplementary authentic materials in reading and writing will be incorporated. Students will be required to present their Chinese skills using various computer technologies.

## CHINESE 400/IB Level I

**Course#: 22804**

**Grades: 12**



**Credits: 1.0**

This course provides for the sequential development of linguistic proficiency. At this level students learn to communicate in a variety of situations. Supplementary authentic materials in reading and writing will be incorporated. Students will be required to present their Chinese skills using various computer technologies. For students enrolled in the DP program, this class is the first of two segments for IB Chinese. Upon completion of segment II, students will take the SL exam. Students need successful completion of Chinese 300 or successful demonstration of similar skills in order to succeed in this course.

## CHINESE 500/IB LEVEL II

**Course#: 22805**

**Grades: 11, 12**



**Credits: 1.0**

IB Chinese 500 is a full-year course that refines and further develops students' abilities in Chinese oral and formal written communication. It not only provides an introduction to literary Chinese and ancient Chinese literature but also prepare students for DP test.

The class is conducted almost entirely in the target language and students are required to hone their speaking skills through structured and informal activities. Language skills are improved through group and individual presentations, debates, discussions, and written compositions and essays. Students develop written skills and practice grammar through weekly journal and bi-weekly compositions. Listening skills are developed during class discussions, viewing films and movies, and listening to recordings done by native Chinese speakers. Reading skills are improved through various readings of essays and articles, newspaper articles, advertisements, biographies, plays and classical/modern poetry. For those students committed to taking the DP exam in May, additional assignments and extra practices that reflect the advanced nature of this work are assigned and graded, including practice DP exams from previous years. There are individual student semester projects and an end-of-the-year class project, which are videotaped required.

## FRENCH 100

**Course#: 22101**

**Grades: 9, 10, 11, 12**



**Credits: 1.0**

Students will develop emerging proficiency in reading, writing, listening and speaking using authentic resources. The focus will be on real-world, high-interest, student-centered learning with an emphasis on respect for themselves, others, and the world around them. Students and teachers will strive to embody the IB learner profile traits: Inquirers, Knowledgeable, Thinkers, Communicators, Principled, Open-minded, Caring, Risk-takers, Balanced, and Reflective. Opportunities to extend their learning in French-speaking countries will be proposed.

## FRENCH 200

**Course#: 22106**

**Grades: 9, 10, 11, 12**



**Credits: 1.0**

Students will develop continued proficiency in reading, writing, listening and speaking using authentic resources. The focus will be on real-world, high-interest, student-centered learning with an emphasis on respect for themselves, others, and the world around them. Students and teachers will strive to embody the IB learner profile

traits: Inquirers, Knowledgeable, Thinkers, Communicators, Principled, Open-minded, Caring, Risk-takers, Balanced, and Reflective. Opportunities to extend their learning in French-speaking countries will be proposed.

## FRENCH 300

**Course#: 22102**

**Grades: 10, 11, 12**



**Credits: 1.0**

Students will develop continued proficiency in reading, writing, listening and speaking using authentic resources. The focus will be on real-world, high-interest, student-centered learning with an emphasis on respect for themselves, others, and the world around them. Students and teachers will strive to embody the IB learner profile traits: Inquirers, Knowledgeable, Thinkers, Communicators, Principled, Open-minded, Caring, Risk-takers, Balanced, and Reflective. Opportunities to extend their learning in French-speaking countries will be proposed.

## FRENCH 400/IB Level I

**Course#: 22601**

**Grades: 11, 12**



**Credits: 1.0**

Honors French 400 uses a wide range of authentic sources to encourage deep understanding of the French language and French-speaking cultures. We examine concepts, issues and ideas of local and global significance. For students enrolled in the DP programme, this class is the first of two segments for IB French. Students may decide whether to take the SL or HL exam.

## FRENCH 500/IB Level II

**Course#: 22602**

**Grades: 11, 12**



**Credits: 1.0**

Students will further their knowledge of the French language and culture through authentic sources. Primary emphasis will be on preparing for the various IB Diploma Programme assessments. Focus will be on developing advanced speaking, reading, writing, and listening skills along with fine-tuning grammatical knowledge. This class is the second of two segments for IB French. Students will decide whether to take the SL or HL exam and have the skills needed to take the AP exam, if desired.

## SPANISH 100

**Course#: 22401**

**Grades: 9, 10, 11, 12**



**Credits: 1.0**

For students who have not studied Spanish previously, or who have had limited instruction at the middle school level, this introductory course begins the development of listening, speaking, reading and writing skills in Spanish, and cultural awareness of the Spanish speaking countries.

## SPANISH 200

**Course#: 22406**

**Grades: 9, 10, 11, 12**



**Credits: 1.0**

This course provides for the continued development of proficiency in listening, speaking, reading and writing. The course incorporates aspects of Spanish speaking countries' culture and an increased awareness of reading and writing. Students will work on projects, using technology as appropriate.

## SPANISH 300

**Course#: 22402**

**Grades: 10, 11, 12**



**Credits: 1.0**

This course is designed to expand the language proficiency developed in Spanish 200. Supplemental reading texts and projects using technology will be incorporated.

## SPANISH 400/IB Level I

**Course#: 22606**

**Grades: 11, 12**



**Credits: 1.0**

Students will further their knowledge of the Spanish language and culture through authentic sources. Primary emphasis will be on developing intermediate to advanced listening, reading, writing and speaking skills as well as a comprehensive grammar review. For students enrolled in the DP programme, this class is the first of two segments for IB Spanish. Students may decide whether to take the SL or HL exam. Students need successful completion of Spanish 300 or successful demonstration of similar skills in order to succeed in this course.

Students will further their knowledge of the Spanish language and culture through authentic sources. Primary emphasis will be on developing intermediate to advanced listening, reading, writing and speaking skills as well as a comprehensive grammar review. For students enrolled in the DP program, this class is the first of two segments for IB Spanish. At the beginning of segment II, students may decide whether to take the SL or HL exam. *(Successful completion of Spanish 300 or recommendation from department in order to enroll)*

## SPANISH 500/IB LEVEL II

**Course#: 22421**

**Grades: 12**



**Credits: 1.0**

Students will further their knowledge of the Spanish language and culture through authentic sources. Primary emphasis will be on preparing for the various IB Diploma Programme assessments. Focus will be on developing advanced speaking, reading, writing, and listening skills along with fine-tuning grammatical knowledge. This class is the second of two segments for IB Spanish. Students will decide whether to take the SL or HL exam and have the skills needed to take the AP exam, if desired.

# OAKLAND SCHOOLS TECHNICAL CAMPUS

*Your one stop to career and college readiness!*

*Explore. Experience. Excel.*

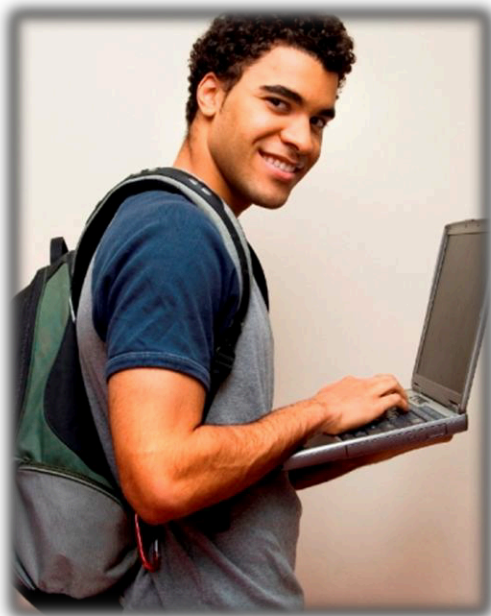
[ostconline.com](http://ostconline.com)

## So, what is OSTC anyway?

OSTC (Oakland Schools Technical Campus) is a valuable extension of your high school and brings you customized self-directed learning that guides you toward future career success.

At OSTC, students can find career direction, fulfill high school graduation requirements, earn college credits, join student organizations and make new friends who share their interests. Whether you plan to attend OSTC to get a jump on college credit offerings or earn industry-based certifications to immediately pursue a career, OSTC's industry and educationally certified staff will guide you in reaching your career goals. Did you know that 69 percent of all Oakland Schools Technical Campus students are enrolled in a university, technical school or college?

## OSTC, It's all that... and more!



OSTC offers you huge opportunities for learning career skills and preparing for your future. Spend half of your school day at your home school and half of the day at a technical campus. You can choose either a morning or afternoon session, and experience the following OSTC opportunities:

- Advanced applied academics
- Field trips
- Meet students from other school districts with similar interests
- Paid and unpaid internships
- Self-directed and group learning
- Student organizations
- Work-based training experiences
- College Credit/Certifications/National Competitions

## Academic Course Offerings

Career training and skill development takes place at one of four, state-of-the-art, multi-million dollar technical campuses in Oakland County. Most of the campus programs offer academic credits for third year math and fourth year science as well as English Language Arts. Math and science concepts are embedded into the curriculum so students learn firsthand how these concepts are applied to real-world applications.

And, believe it or not, **OSTC IS FREE** to you and your school! Transportation is also provided by your home school.

## **Automotive Technology**

Students have the opportunity to gain skills through intensive hands-on and quality instruction, while working alongside master ASE (Automotive Service Excellence) technicians in a full-service, interactive automotive lab designed to simulate current industry standards. Students will gain core and fundamental skills through advanced diagnosis and repair strategies in safety, customer service, engine repair, automatic trans/transaxle, manual drivetrain and axles, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, engine performance, diesel engine theory, and work ethic.

## **Collision Repair and Refinishing**

This program prepares students to repair, restore, and refinish vehicles to showroom condition - using the same advanced painting, welding and repair equipment used by automotive professionals. Students also get a chance to create custom modifications using artistic design techniques.

## **Computer Programming**

Students will experience information technology topics in web development, application development and computer programming. They will learn to write code to power game design, business application development and explore programming with robotics. Students will program in advanced languages such as Java and HTML5.

## **Construction Technology**

Students will gain skills to work in all areas of the construction field, including carpentry; interior/exterior finishing; electrical; plumbing; masonry; heating, ventilation, air conditioning and refrigeration (HVAC/R); and home repair, building and grounds maintenance.

## **Cosmetology**

Students will work alongside professionals in a full service, interactive salon and spa using advanced salon techniques to provide hair, nail and skincare services; and to create artistic designs using the latest technology, trends and brand name products. Core skills include entrepreneurship, salon ecology, safety and electricity, general anatomy and chemistry.

## **Criminal Justice**

Students will develop an understanding of the criminal justice system by exploring the three components of the system: law enforcement, courts and corrections. During the program, students are exposed to in-demand technical and foundational skills such as ethical responsibility, situational awareness, report writing and field note-taking, courtroom testimony, crime scene management, criminal law and investigation, health and safety, and trends affecting the corrections system.

## **Culinary Arts/Hospitality**

Students cook alongside professional chefs to create amazing gourmet cuisine using a broad background of skills and knowledge. Students utilize industry based tools, equipment and technology and are trained in business procedures. Students teams operate a restaurant and provide catering services, crafting and presenting delicious gourmet creations while preparing for competitions and events.

## **Cybersecurity Networking**

Students are introduced to basic security principles involving networks and operating systems, including the current threats, vulnerabilities, and policies of electronic commerce. They gain an understanding of the principles of risk management, security architectures, incident handling disaster recovery and secure systems administration.

## **Energy-electrical Technology**

Students will be exposed to career aspects related to the energy and electrical sector. Coursework will provide industry knowledge valuable in preparing to be a utility worker. Lab work will utilize hands-on and applied skills in residential and commercial electrical wiring. Students will further explore various forms of energy, including emerging ways to generate green energy.

## **Engineering, Robotics & Mechatronics**

Students will learn high-tech engineering technologies to invent, revolutionize, build and creatively solve the needs and demands of a technologically advancing world. Students will design and build powerful robotic, hydraulic, pneumatic, electrical, electronic and mechanical systems and learn to creatively solve complex engineering and design challenges using advanced CAD/CAM and CNC technologies. The curriculum also includes core foundational skills for design processes, power, machines, quality insurance and fabrication.

## **Entrepreneurship and Advanced Marketing**

No matter what you choose to do in life, it is essential to have strong business, leadership and marketing skills! In this program, designed for beginners to the advanced, students learn valuable leadership, entrepreneurship and marketing skills that will provide them with a successful foundation for any career, in addition to the knowledge necessary to manage and run their own business.

## **Graphic & Communication Design**

Students will prepare for careers that communicate ideas and information to the public and include the areas of graphic communication, graphic design, interactive multimedia/animation and audio and video and film production skills and processes. Students will design and create dynamic brand identifications, products, animations and digital media, while creating a personal portfolio showcasing their ideas and talents.

## **Health Sciences**

Students will make a difference by providing quality care alongside experts in many different healthcare professions. They will apply the health care skills they master in class to a variety of clinical environments while developing a professional work ethic and the ability to provide compassionate patient care.

## **Welding**

Students will learn to control fire, electricity and heat to design, dismantle and fabricate a wide range of products. Students will use advanced equipment and techniques to join, cut, bend, and manipulate metal as they develop the skill, confidence, work ethic and stamina necessary for a high-paying career anywhere in the world. The curriculum includes core foundational skills for design processes, power, machines, quality insurance and fabrication.

Oakland Schools does not discriminate on the basis of sex, race, color, national origin, religion, height, weight, marital status, sexual orientation (subject to the limits of applicable law), age, genetic information, or disability in its programs, services, activities or employment opportunities. Inquiries related to employment discrimination should be directed to the Director of Human Resources at 248.209.2059, 2111 Pontiac Lake Road, Waterford, MI 48328-2736. For all other inquiries related to discrimination, contact the Director of Legal Affairs at 248.209.2062, 2111 Pontiac Lake Road, Waterford, MI 48328-2736