

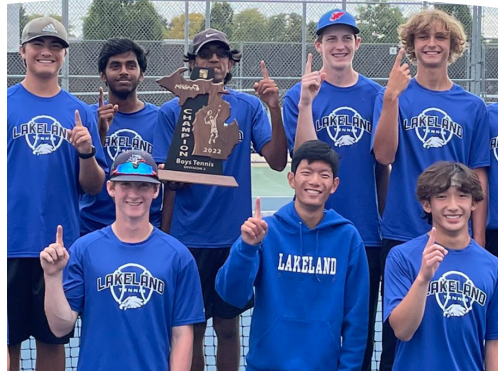
# 2024-2025 Course Book



Lakeland High School



Milford High School





## Lakeland High School

1630 Bogie Lake Road  
White Lake, MI 48383  
248.676.8320

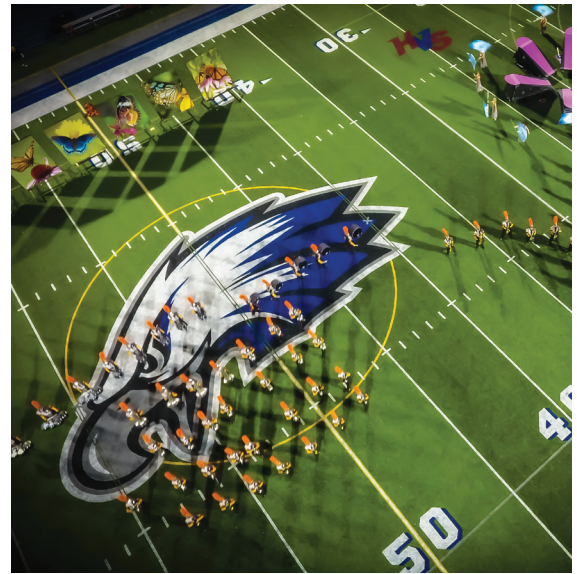
*Connect. Empower. Achieve.*



## Milford High School

2380 S. Milford Road  
Highland, MI 48357  
248.684.8091

*Educate. Inspire. Prepare.  
Every Student. Every Day.*



# A Message from the Superintendent

Dear Huron Valley Families:

Huron Valley Schools is committed to its mission of *Inspiring and Building Futures, One Student at a Time*. We are proud of each and every one of our schools and recognize the importance of a state-of-the-art education designed to prepare students for the world of tomorrow.

As students make their way toward graduation and prepare for college or the world of work, they need skills that equip them for jobs that may not yet exist. Tomorrow's graduates will need to demonstrate mastery over many key competencies, including:

- Superior problem solving ability;
- An exceptional ability to read, analyze and communicate pertinent information;
- Higher order thinking skills; and
- The ability to work individually and with teams of people.

A Huron Valley Schools education has tremendous real-world value because it helps students achieve their personal best. HVS students perform at some of the highest levels in the State of Michigan. Students, parents, community members and staff members have much with which to be proud; but we can never become complacent. We must constantly strive toward remaining excellent in all that we say, do and offer our students and families. A world-class education does not come without hard work.

The following course book is part of our commitment to provide a vast array of diverse offerings designed to inspire and build futures for each Huron Valley student. Huron Valley Schools prides itself on being a Triple A school district--meaning we offer robust academic programming, competitive athletics and a focus on the arts. If you have an questions about this course catalog or opportunities for students please do not hesitate to contact your school counselor or any member of the administrative team.

Thank you for your continued support of Huron Valley Schools.

Sincerely,



Dr. Paul Salah  
Superintendent

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# Graduation Requirements, Class of 2025, 2026, 2027

In order to graduate and receive a high school diploma from Lakeland High School or Milford High School, a student must successfully complete all coursework for a total of **22 credits**. Students must also take all three parts of the Michigan Merit Exam (MME) comprised of the SAT, ACT WorkKeys, and M-STEP; or its equivalent as defined in their IEP.

Content Area	Minimum Units of Credit	Specific Requirements
English Language Arts	4	ELA 9, ELA 10, ELA 11, Sr. English (0.5 credit), ELA Elective (0.5 credit)
Math	4	Algebra 1, Geometry, Algebra 2*, Senior year math or math related course offering(s) (M) <i>Student who received high school credit while at the middle school level still must take math all 4 years</i>
Science	3	Physics, Chemistry, Biology
Social Studies	3*	World History & Geography, US History & Geography, Economics (0.5 credit), Senior Government (0.5 credit)
Physical Education	0.5*	
Health	0.5	
Visual, Performing, & Applied Arts (VPA)	1	May be satisfied by courses as outlined in this Course Book (V)
World Language	2*	The two (2) credits must be earned in the same World Language.
Electives	4	May be satisfied by multiple departments
Online Experience	embedded	HVS core curriculum fulfills State requirement for online experience

\* Denotes alternative options are available to students to meet graduation requirements including the use of a personal curriculum plan. Additional information shall be made available to students through administrative guidelines and/or this course book.

Credit description: 0.5 credit = one semester; 1 credit = one year

# Graduation Requirements, Class of 2028

In order to graduate and receive a high school diploma from Lakeland High School or Milford High School, a student must successfully complete all coursework for a total of **22 credits**. Students must also take all three parts of the Michigan Merit Exam (MME) comprised of the SAT, ACT WorkKeys, and M-STEP; or its equivalent as defined in their IEP.

Content Area	Minimum Units of Credit	Specific Requirements
English Language Arts	4	ELA 9, ELA 10, ELA 11, Sr. English (0.5 credit), ELA Elective (0.5 credit)
Math	4	Algebra 1, Geometry, Algebra 2*, Senior year math or math related course offering(s) (M) <i>Student who received high school credit while at the middle school level still must take math all 4 years</i>
Science	3	Physics, Chemistry, Biology
Social Studies	3*	World History & Geography, US History & Geography, Economics (0.5 credit), Senior Government (0.5 credit)
Personal Finance	0.5	Can apply towards 4th year math requirement
Physical Education	0.5*	
Health	0.5	
Visual, Performing, & Applied Arts (VPA)	1	May be satisfied by courses as outlined in this Course Book (V)
World Language	2*	The two (2) credits must be earned in the same World Language.
Electives	3.5*	May be satisfied by multiple departments *If personal Finance is used to meet 4th year math requirement, students will need 4 elective credits
Online Experience	embedded	HVS core curriculum fulfills State requirement for online experience

\* Denotes alternative options are available to students to meet graduation requirements including the use of a personal curriculum plan. Additional information shall be made available to students through administrative guidelines and/or this course book.

Credit description: 0.5 credit = one semester; 1 credit = one year

# Graduation Requirements

## Alternative Credit Options to Meet MMC (Michigan Merit Curriculum)

### Mathematics

Algebra 2 can be substituted with a state approved formal CTE program provided that the student successfully completes the same content as Algebra 2 benchmarks assessed on state assessment in that program.

### Physical Education

A half (0.5) credit in Physical Education is allowed for four (4) seasons of marching band or district recognized sports. (MCL 380.1502)

### World Language

One (1) credit may be substituted with a state approved formal CTE program/curriculum or one (1) credit may be substituted with additional Visual/Performing Arts courses.

## Personal Curriculum

The PC is an option a student or family can explore as a way to modify certain graduation requirements and earn a diploma. The purpose of secondary education is to prepare students for life after high school. Any modification to a student's graduation requirements needs to be consistent with this purpose. The high school diploma is documentation that the student has met the expectations and possesses the knowledge and skills necessary for postsecondary success.

## Testing Out

Students may receive credit for any course in which the student is not enrolled by passing a Test Out exam or a series of exams that cover all the content expectations. The Test Out exam(s) may consist of a portfolio, paper, project, presentation or other established means. For subject areas and courses in which a Test Out exam(s) is used as the assessment for successful attainment of the subject area content, the student must achieve a final grade of 78% (C+) or higher as established by the state in order to receive credit in the course. Grades will not be averaged into the GPA for any purpose. For further information please see [Huron Valley Schools Board Policy 5460](#).

### Michigan Seal of Biliteracy

Student test out of World Languages requirements and qualification for the Michigan Seal of Biliteracy will be done through the Avant STAMP 4S assessment where there are tests available for the requested language. Please note there is a fee for this exam.

Level	Level 1	Level 2	Level 3	Level 4	Level 5 & Seal of Biliteracy
Minimum Score for EACH Level	2	3	4	5	6

# Graduation Requirements

## Grade Classification

Huron Valley Schools is committed to raising academic expectations. The chart to the right outlines the graduation requirements. Grade classification for students is a system aimed at keeping students on track for graduation. Students remain “In Good Standing” by earning the minimum credits required according to the chart below. Students “Not in Good Standing” should meet with their counselor to review credit recovery options. **In order to participate in the graduation ceremony, students must have earned the minimum number of credits listed on the chart.**

<i>Minimum credits “in Good Standing”</i>	<i>Beginning of the School Year</i>
Senior	16.0
Junior	10.0
Sophomore	4.0
Freshman	0
<b>Total credits needed to graduate</b>	<b>22</b>

## Grading System and GPA

All AP Courses will be graded on a 5.0 scale. All non-AP Courses will be graded on a 4.0 scale.

<b>Grade</b>	<b>A</b>	<b>A-</b>	<b>B+</b>	<b>B</b>	<b>B-</b>	<b>C+</b>	<b>C</b>	<b>C</b>	<b>D+</b>	<b>D</b>	<b>D-</b>	<b>E</b>
<b>AP Courses</b> (5.0 scale)	5.0	4.7	4.4	4.0	3.7	3.4	3.0	2.7	2.4	2.0	1.7	0
<b>Non AP-Courses</b> (4.0 scale)	4.0	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.7	0

## Statement of Rights to Make Changes

The Huron Valley Schools Board of Education, in response to sound educational reasons, school improvement plans, or state-mandated programs, reserves the right to make changes in the graduation requirements provided students are given sufficient time to comply with the new requirements.

## Class Changes

All classes for which students sign up are firm commitments for the year. This is especially true of year-long classes. Students will not be permitted to drop a year-long class at the semester break unless there are extreme circumstances and administrative approval. Likewise, students will not be allowed to drop semester elections without strong justification. In general, schedule changes are allowed only for the following reasons:

- The student and/or parent(s) desire a more difficult academic course.
- The schedule of classes contains a scheduling mistake made by the school; or a student has taken additional work in summer school.
- A teacher, student, counselor, administrator and parent(s) concur that it is in the best academic interest of the student to have a schedule change.



# Career and College Planning

Career Focused Education provides all students with the tools necessary to successfully navigate the career and college planning process. The Michigan Department of Education requires all students to complete an Educational Development Plan (EDP). The purpose of an EDP is to provide every student with an ongoing record of career and college planning guiding them in selecting careers and postsecondary programs which align with their aptitude, interests and strengths. This process begins in the 7th grade and students continue to update and revise their EDP throughout high school. Students utilize Xello, which is an online career and college readiness program provided to all districts in Oakland County. With the support of their family and the educational system, students develop educational and career goals, complete interest and skill assessments, perform career and college searches, and create action plans to attain their future goals.

## Career Center

The Career Center is an important link between our students and the world of work. The Career Development Facilitator in the Career Center works to assist students in the process of exploring careers and education options available after high school. These postsecondary options include:

- Four-year universities
- Two-year colleges
- Trade, Technical, and Vocational programs
- Apprenticeship programs
- Certificate programs
- Military opportunities
- Entering the workforce

Students use the Career Center computers to access and update EDPs (educational development plans), request transcripts through Parchment, access College Board accounts, and work on college applications and essays.

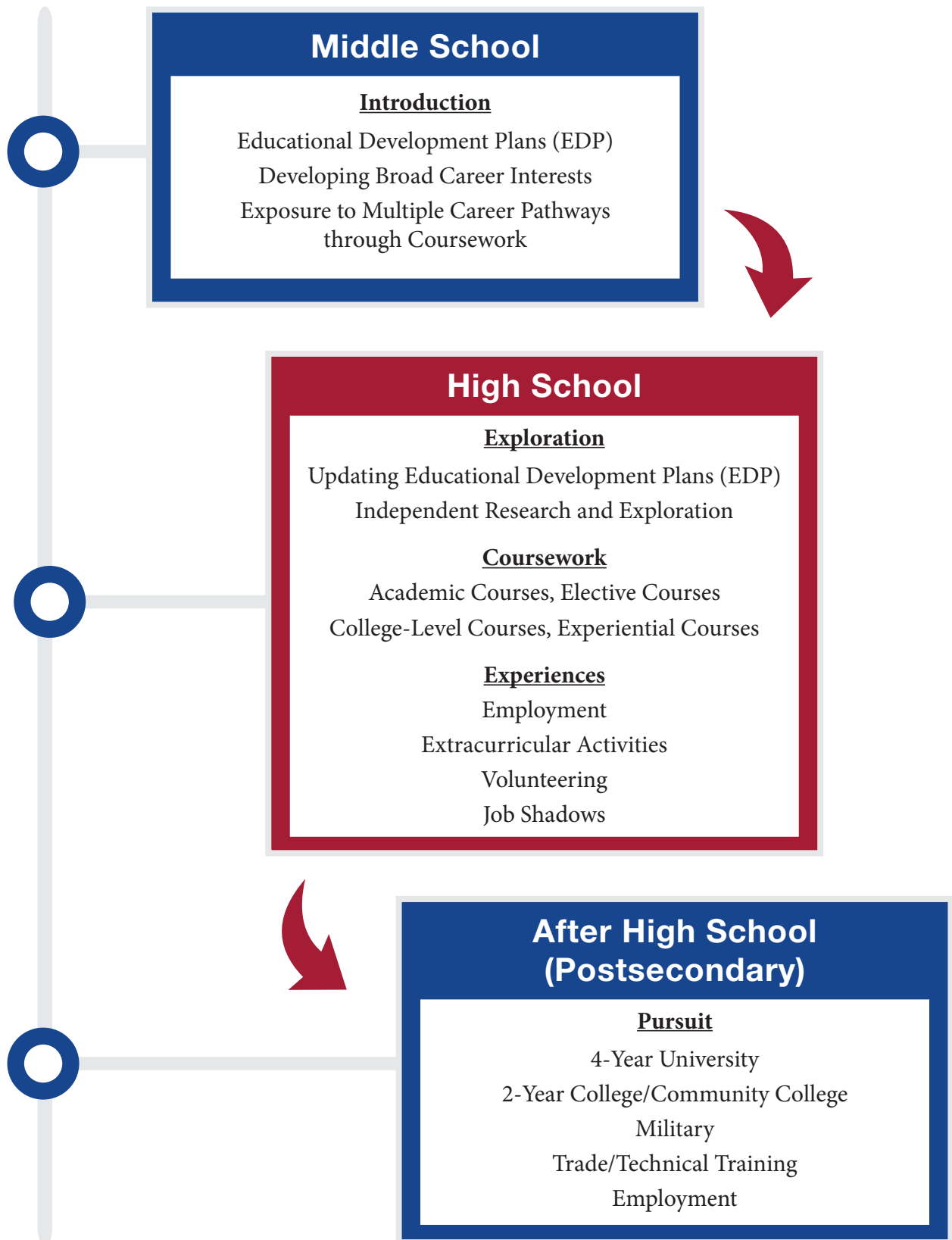
Throughout the year, the Career Center hosts college and military representatives who provide informational presentations and resources to interested students. In most cases, these college representatives are the individuals who review our senior college applications for admissions decisions. Some of these colleges offer the opportunity for on-site admissions for seniors at the high school as part of the college visit.

Students in all grades are encouraged to visit the Career Center regularly for help preparing for a career that matches their interests and skills. The Career Center works to connect students with appropriate career paths that align with achieving their life goals.



# Career and College Planning

## Your Career Pathway Progression



# Career and College Planning

## Purpose of High School Coursework

### Academic Preparation

- Minimum graduation requirements
- Expectations beyond high school graduation requirements:
  - 4-year college admissions requirements
  - 2-year college/trade/technical training preparation
- Development of useful skills and quality school/work habits

### Exploration

- Elective coursework - Opportunity for exposure to potential career interests, discovering new ideas, and learning new skills
- Experiential learning coursework - Opportunity for real-world experiences
- College coursework - Opportunity to earn college credit and experience college expectations
- Technical coursework - Opportunity to develop specific technical skills that could immediately translate into employment specific opportunities

## Counselor, School, and Student Roles in Career Pathway Pursuit

### Systemic Activities

- Update Educational Development Plans (EDPs) with the Career Development Facilitator (every year)
- Large group Junior presentation on career-college exploration (junior year)
- Large group Senior presentation on college applications, transcripts, scholarships, and postsecondary options (senior year)
- Career Expo (junior year)
- Large group Oakland Schools Technical Campus (OSTC) presentation (sophomore year)
- Large group scheduling presentations on course selection (each year)
- One-on-one individual scheduling meetings with your counselor (freshman, sophomore, and junior years)

### Optional Opportunities

- College admissions representative visits at the high school
- On-site college admissions opportunities for select colleges
- College application help lab times
- Dual enrollment information session
- Accelerated College Experience (ACE) early college information session
- Career Center career/college exploration with the Career Development Facilitator
- Military recruiter visits at the high school
- Armed Services Vocational Aptitude Battery (ASVAB) testing

# Career and College Planning

## **Student-Initiated One-on-One Counseling Support**

- Schedule a meeting with your school counselor to discuss or get help with...
- College exploration and college applications
- All postsecondary options:
  - 4-Year Universities
  - 2-Year Colleges
  - Military
  - Trade/Technical Training
  - Employment
- Scholarship exploration and scholarship applications
- Financial aid and affording education after high school
- High school coursework selection
- Options for earning college credit during high school
- Specific trade/technical training programs
- Alternative education options to the traditional high school and completing your diploma or GED
- Creating a 4-year high school education plan
- Improving study skills, school habits, and improving grades
- Preparing for the SAT/ACT or improving your standardized test scores

## Career Pathway Exploration Resources

The best, most personalized resource is always your school counselor. Sign up to meet with your counselor anytime.

### **LHS and MHS Counseling Department Websites**

Look here for school-specific information as well as links to many other resources.

- [Lakeland Counseling Department](#)
- [Milford Counseling Department](#)

### **XELLO**

Used to update their EDP each year in school, students [can access this resource anytime](#) from home with their individual login information.

### **O\*Net**

Additional career exploration resource [with specific information](#) on current career trends.

### **Occupational Outlook Handbook (OOH)**

Additional [career information](#) on job growth, pay, and duties.

# Career and College Planning

## State of Michigan

Highlights [Michigan's high-demand, high-wage careers](#) that show a favorable mix of long-term job growth, projected annual job openings, and median wages through 2030.

## Opportunities for College Credit, Technical/Experiential Training, Alternative High School

### College Credit Opportunities

#### *Advanced Placement (AP) Coursework*

Advanced Placement (AP) coursework gives students the chance to tackle college-level work while they're still in high school and earn college credit and placement. Each year during scheduling selection, students can select or apply for AP coursework for their schedule the following year. Because AP coursework demands higher level critical thinking skills and studying than typical high school coursework, students should consider their academic preparedness and willingness to challenge themselves before electing AP coursework.

AP courses are subject to availability each year depending on individual high school staffing and having adequate student enrollment to justify running the course. Here is a list of AP courses that are available in Huron Valley Schools:

- AP English Language and Composition
- AP English Literature and Composition
- AP Human Geography
- AP Macroeconomics and Microeconomics
- AP Psychology
- AP US Government and Politics
- AP US History
- AP Precalculus
- AP Calculus
- AP Computer Science Principles
- AP Computer Science A
- AP Statistics
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics 1
- AP Physics C

Upon completion of the AP course, students are encouraged to take the AP exam in May (students will be asked to register for AP Exams in the fall). Please note there is a fee for this exam. Depending on the score earned and cutoff scores for each individual college, students can earn college credit and placement into more advanced coursework upon entry into college. For more information, speak with your high school counselor or visit the [College Board website](#).

#### *Articulation Credit*

Articulation is the process of earning and transferring credit. For high school students, articulation is the process of granting college credit for completing and earning an acceptable grade in certain high school coursework. If you are a high school student who has completed eligible Career Technical Education (CTE) coursework, you should work with a participating college with active State of Michigan articulation agreements to claim your credit.

### Statewide CTE Articulation

Baker College

[Articulation Website](#)

Central Michigan University

[Articulation Website \(Education General\)](#)

Davenport University

[List of CTE Programs for College Credit](#)

Ferris State University

[Articulation Website](#)

Mid-Michigan Community College

[List of CTE Programs for College Credit](#)

# Career and College Planning

## ***Dual Enrollment***

Dual Enrollment allows high school students the opportunity to take college coursework as part of their high school schedule. Students can receive high school and college credit for these courses and get one hour of release time from their high school schedule for each dual enrollment course. Dual enrollment is not limited to a specific grade level, though typically junior and senior students are most appropriate for dual enrollment. Students may dual enroll in up to two college courses per semester.

Most students elect to dual enroll through Oakland Community College, though students may take coursework through any college. In most cases, there is no cost to the student or family for tuition unless the tuition cost exceeds the maximum student allowance for a dual enrollment class. Families are responsible for textbook purchases, though textbook reimbursement may be available depending on the tuition cost for the course. Families are also responsible for tuition or fees associated with dropped or failed courses.

Eligibility for dual enrollment coursework is based on:

- Academic appropriateness
- Good high school attendance
- College placement testing and high school standardized test scores

Other limitations to consider:

- College course schedule may not conflict with attendance at high school classes
- An equivalent high school Advanced Placement (AP) course should be taken over a dual enrollment course, when available to the student
- Dual enrollment courses must be academic in nature and not a hobby, craft, or recreational course
- Dual enrollment courses may not be in a subject area of physical education, theology, divinity, or religious education

Required paperwork and enrollment procedures:

- Dual enrollment involves a multi-step application and paperwork process that requires coordination between the high school and the college
- Interested students are responsible for meeting any college deadlines for enrollment and turning in required paperwork to the high school in order for the school district to pay for the dual enrollment course
- Most dual enrollment application, placement testing, and enrollment processes take place months before the start of a new semester at high school
- Interested students should speak with their high school counselor or the building dual enrollment coordinator for more information on specific expectations and paperwork requirements.

## ***Oakland Accelerated College Experience (ACE)***

Oakland ACE is an early college program for students enrolled at participating Oakland County high schools. The ACE program is designed to give students facing challenges to college enrollment and success the opportunity, guidance, and support to earn an associate degree while still in high school. Students work toward their diploma and college degree simultaneously by splitting time between high school courses and college classes at Oakland Community College. There is no cost to the student for tuition, fees, or books.

# Career and College Planning

Huron Valley Schools has set the following initial eligibility criteria to be considered for the ACE program:

- Preference given to a first-generation college student (neither parent has earned a 4-year, bachelor's degree or higher) OR students eligible for the federal free/reduced lunch program
- Must have a minimum 2.5 GPA

Interested students may apply beginning in February of the sophomore year. Acceptance into this program is limited and is based on:

- Academic appropriateness and teacher recommendations
- Good high school attendance
- College placement testing and high school standardized test scores
- Family and student commitment to the 3-year early college program (junior year, senior year, and an additional year after senior year)

For more information, speak with your high school counselor or visit the [Oakland ACE website](#).

## ***Oakland Technical Early College (OTEC)***

Oakland Technical Early College is a rigorous three year program offering high school students an early start in postsecondary training to better prepare them for high skill, high demand, and high wage careers. Oakland Schools Technical Campuses (OSTC) have partnered with Oakland Community College (OCC) to provide early college opportunities for many of the technical programs. During the 11th and 12th grade years, students pursue their high school requirements, OSTC program, and college courses aligned with a technical degree. Students attend Oakland Community College full time during an added 13th year, completing their high school diploma and potentially earning an associate degree. Families are responsible for transportation to Oakland Community College.

Admission criteria:

- Currently a 10th grade student
- Planning to attend OSTC in 11th grade
- Completed the OSTC admissions process and have a secured spot for the upcoming school year
- Planning to attend an OSTC program with an Oakland Technical Early College option
- Possess a High School GPA of 2.5, with all 9th and 10th grade Michigan Merit Curriculum requirements completed
- Currently on track to complete high school graduation requirements

For more information, speak with your high school counselor or visit the [OSTC website](#).

## ***Michigan Seal of Biliteracy***

The Michigan Department of Education (MDE) has developed the Michigan Seal of Biliteracy “to recognize our high school graduates who exhibit language proficiency in English and at least one additional world language”. This Seal is awarded in many states and the District of Columbia, and provides employers with a way to identify individuals with strong language and biliteracy skills. The Seal may also serve as an additional tool for colleges and universities to recognize applicants’ language abilities for admission and placement.

# Career and College Planning

To meet the requirements for a Michigan Seal of Biliteracy, an HVS student must:

- meet HVS graduation requirements,
- demonstrate “Intermediate High” proficiency on a commercial assessment.

Huron Valley Schools uses the STAMP 4S assessment to demonstrate proficiency. Please note there is a fee for this exam and is the responsibility of the student. The STAMP 4S assessment is also used for World Languages test out, though at no cost to students for this purpose.

## **Career/Technical/Experiential Learning Opportunities**

### ***Oakland Schools Technical Campus (OSTC)***

OSTC is Oakland County’s technical and career focused education option available to students during junior and senior year. Students attend a half day at their home high school and a half day at the OSTC campus. The HVS home technical campus is the Southwest campus located in Wixom. Bus transportation is provided to and from the Southwest OSTC campus. Students may explore an OSTC program at another campus if it’s not available at the home campus, though transportation is not provided.

Students are able to meet high school graduation requirements through coursework at OSTC and their home high school. In addition, OSTC students gain technical training and first-hand experience in a career field of interest. OSTC students learn from industry experts and qualified instructors to acquire the technical skills necessary to continue in college, trade school, or the workforce.

Programs at OSTC include:

- Agriscience and Environmental Technologies
- Automotive Technology
- Collision Repair and Refinishing
- Computer Programming
- Construction Technology\* *(not available at the Southwest campus)*
- Cosmetology\* *(only available at the Northeast campus)*
- Criminal Justice\* *(only available at the Southeast campus)*
- Culinary Arts and Hospitality
- Cyber Security Networking\*
- Energy and Electrical Technologies\* *(not available at the Southwest campus)*
- Engineering, Robotics, and Mechatronics
- Entrepreneurship and Advanced Marketing
- Graphic & Communication Design
- Health Sciences
- Machining *(only available at the Northeast campus)*
- Medium and Heavy Truck Equipment
- Welding

Enrollment at OSTC is based on:

- Being on track for graduation with grades and credits
- Good high school attendance
- Demonstrated career interest in the OSTC program to which you are applying
- Availability and space in the desired OSTC program

Application for OSTC takes place during the sophomore year (unless applying only for senior year). The OSTC counselor will hold an informational meeting for all sophomore students ahead of the application period. An OSTC field trip and open house dates are available to interested students each year as well. For more information, speak with your high school counselor or visit the [OSTC website](#).



# Career and College Planning

## *Career Internship*

The Career Internship program is an opportunity for 11th and 12th grade students to become involved in career exploration during part of their high school schedule. The class can be taken for one semester or a full year with 1 or 2 hours of release time devoted to interning at a selected job site. The goal of the class is to explore a career firsthand to decide if it might be a path to pursue upon graduation. The program allows students to network and make quality connections in their future area of study and requires a minimum of five hours/week for each hour of Career Internship. These hours can be logged during a student's release hour(s), after school, and/or on weekends. Career Interns may be paid or unpaid, depending on the internship. Students receive elective credit for successful completion of the Career Internship course.

Additionally, students that are behind in elective credits for graduation may enroll in the Career Internship class as a 7th hour to earn additional credit.

For more information, speak with your high school counselor or the school-to-work coordinator in your building.

## **Alternative High School Experiences**

There are a variety of reasons a student may explore an alternative education option for completing their high school diploma. If you are considering one of the alternative options below, please meet with your counselor.

### *Harbor High School*

Harbor High School is the alternative high school in Huron Valley. [Harbor High School](#) provides an opportunity for students to continue their education in a smaller, less traditional program. This program is designed for students who have not been successful in the traditional high school setting, but still desire to complete high school and obtain their diploma. Students must complete Harbor High School graduation requirements. To schedule an appointment, call Harbor High School at 248.676.8421.

### *Graduation Alliance*

Students most commonly pursue Graduation Alliance after their graduating year has passed and other alternative education options have been exhausted. Graduation Alliance is an online, alternative education program which provides flexibility and supports that some non-traditional students require in order to stay on track for graduation. It is a fully online program. HVS students take all of the courses required for graduation online and do not attend classes in their respective high school. Graduation Alliance mentors partner with HVS staff to monitor student achievement progress towards earning their diploma. Students enrolled in Graduation Alliance may earn their Huron Valley Schools diploma once they successfully complete the graduation requirements. To be eligible, interested students must be at least 3.5 credits behind for a diploma at their current high school. For more information, speak with your high school counselor.

# Career Pathways

## Michigan Career Pathways and National Career Clusters

Career Pathways are careers that are grouped together because many of the people in them share similar interests and strengths. All pathways include a variety of occupations that require different levels of education and training. Selecting a Career Pathway provides a focus into which one can begin directing energies and determining a tentative career “fit” though it is always acceptable to change one’s mind. By identifying with a pathway students are aided in selecting courses, extra-curricular activities and part-time employment. Career Pathways provide a plan for all students regardless of their interests, abilities, talents, or desired levels of education. All pathways have equal dignity.

The following six (6) Career Pathways have been developed by the state of Michigan. The U.S. Department of Education Office of Vocational and Adult Education (OVAE) has identified 16 career clusters representing career opportunities for the 21st century economy. These clusters will frame student opportunities as they pursue postsecondary education and a wide range of career opportunities from front-line to professional and managerial careers.

### Michigan Career Pathways

Arts & Communications



Business/Management/  
Marketing & Technology



Engineering, Manufacturing  
& Industrial Technology



Health Sciences



Human Services



Natural Resources  
& Agriscience



### U.S. Department of Education Career Clusters

Arts, A/V Technology & Communications

Business, Management & Administration,  
Finance, Hospitality & Tourism, Information  
Technology, Marketing, Sales & Service

Architecture & Construction, Manufacturing,  
Science, Technology, Engineering & Mathematics,  
Transportation, Distribution & Logistics

Health Sciences

Education & Training, Human Services,  
Law, Public Safety & Security, Government  
& Public Services

Agriculture, Food & Natural Resources

# Career Pathways



## Arts & Communications

Careers in this path are related to the humanities and performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.

Are you a creative thinker: Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? This may be the Career Path for you!

### Potential Four-Year Plan

#### Freshman

ELA 9  
Algebra 1  
Physics  
World History  
World Language  
VPA or Health/Phys Ed

#### Sophomore

ELA 10  
Geometry  
Chemistry  
US History  
World Language  
VPA

#### Junior

ELA 11  
Algebra 2  
Biology  
Economics/Elective  
Elective  
Elective

#### Senior

Senior English  
Math Elective  
Science Elective  
Government/Elective  
Elective  
Elective

*Honors, AP, or support options may be available. See Course Descriptions by Subject Area.*

**VPA** – Visual, Performing, & Applied Arts

### Career Pathway Electives

- Creative Writing
- Senior Composition
- AP English Language & Composition
- AP English Literature & Composition
- Introduction to Debate
- Introduction to Journalism
- Newspaper
- ASL, German, Spanish
- Multimedia Technology
- Web Design & Development
- AP Computer Science Principles
- Video/Broadcasting
- Yearbook
- Fundamentals of Art & Design
- Creative Metals
- Advanced Creative Metals
- Drawing & Painting
- Advanced Drawing & Painting
- Pottery
- Advanced Pottery
- Digital Photography
- Advanced Digital Photography
- Graphic Arts
- Graphic Design & Illustration
- Leadership
- AP Computer Science Principles
- Marketing
- Business Management
- Entrepreneurship
- Band and/or Choir
- Introduction to Theatre Arts
- Play Production
- Stagecraft/Technical Theatre
- Psychology
- AP Psychology
- Sociology
- Architectural Drafting/ CAD
- Interior Design
- All Math Classes
- All Science Classes

# Career Pathways

## Arts & Communications

### Career Preparation Activities

- Educational Development Plan (EDP)/Talent Portfolio
- Job Shadowing
- Mentoring
- Portfolio
- Site Visits
- Work Experience

### Possible School and Community Activities

- Acting Lessons
- Art Shows
- Bands (Community, Ensemble, Marching, Rock, Solo)
- DECA (Marketing Club)
- Career Fairs
- Choirs (Community, Ensemble, Solo)
- Concerts
- Color Guard
- Visual Arts Classes
- Follow career related activities in Newspapers or on the Internet Essay/Poetry Contests
- Gymnastics
- Leadership Conferences
- Mentoring
- Optimist Club
- Part-time employment/internship in related field
- Peer Tutoring
- School Newspaper
- School Plays
- School Talent Show
- Speech/Debate Contests
- Stage Production
- Student Government
- Volunteer



# Career Pathways

## Potential Careers in Arts & Communications

### High School Diploma

(with Vocational Background or on-the-Job Training)

- Actor
- Artist
- Choreographer
- Craftperson
- Dancer
- Floral Designer
- Illustrator
- Musician
- Ornamental Metal Worker
- Set Designer
- Sign Painter
- Visual Merchandiser

### Community/Technical College

(Certificate, Apprenticeship, or Assoc. Degree Program)

- Advertising Copywriter
- Florist
- Graphic Designer
- Interior Designer
- Jeweler
- Landscape Architect
- Makeup Artist
- Photographer
- Recording Engineer
- Script Writer
- TV Production
- Web Developer

### College/University

(Undergraduate, Graduate or Post-Graduate Programs)

- Actor
- Advertising
- Art/Music Teacher
- Art/Music Therapist
- Book Publisher
- Commercial Artist
- Computer Graphic Artist
- Journalist
- Language Interpreter
- Literary Agent
- Medical Illustrator
- Photojournalist
- TV News Anchor
- Web Developer
- Writer

[Michigan's Hot 50 Job Outlook through 2030](#)

# Career Pathways



## Business, Management, Marketing & Technology

Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.

Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, or surfing the Internet? This could be your Career Path!

### Potential Four-Year Plan

#### Freshman

ELA 9  
Algebra 1  
Physics  
World History  
World Language  
VPA or Health/Phys Ed

#### Sophomore

ELA 10  
Geometry  
Chemistry  
US History  
World Language  
VPA

#### Junior

ELA 11  
Algebra 2  
Biology  
Economics/Elective  
Elective  
Elective

#### Senior

Senior English  
Math Elective  
Science Elective  
Government/Elective  
Elective  
Elective

*Honors, AP, or support options may be available. See Course Descriptions by Subject Area.*

VPA – Visual, Performing, & Applied Arts

### Career Pathway Electives

- Creative Writing
- Accounting
- Finance
- Business Management & Technology
- Entrepreneurship
- Marketing
- Multimedia Technology
- Web Design & Development
- AP Computer Science Principles
- Video/Broadcasting
- Creative Writing
- Introduction to Debate
- Introduction to Journalism
- Yearbook
- Newspaper
- German, Spanish, ASL
- Leadership
- Interior Design
- AP Economics
- Current Global Issues
- Sociology
- Psychology
- AP Psychology
- Introduction to Theatre Arts
- Play Production
- Stagecraft/Technical Theatre
- All Math Classes
- All Science Classes

# Career Pathways

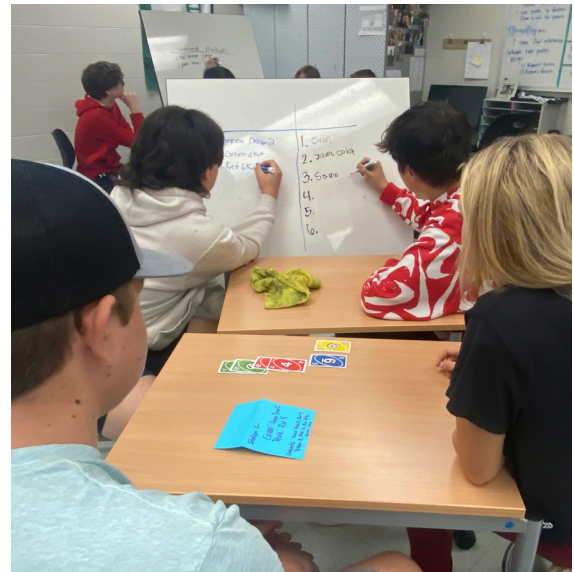
## Business, Management, Marketing & Technology

### Career Preparation Activities

- Educational Development Plan (EDP)/Talent Portfolio
- Job Shadowing
- Mentoring
- Portfolio
- Site Visits
- Work Experience

### Possible School and Community Activities

- Athletic Teams
- Attend Professional Meetings
- Business Professionals of America (BPA)
- Career Fairs
- DECA (Marketing Club)
- Election Assistant
- Junior Achievement
- Follow career related activities in Newspapers or on the Internet Future Business Leaders of America (FBLA)
- Part-time employment/internship in related field
- Peer Tutoring
- School Newspaper
- School Plays
- Speech/Debate Contests
- Student Government
- Volunteer



# Career Pathways

## Potential Careers in Business, Management, Marketing & Technology

### High School Diploma

(with Vocational Background or on-the-Job Training)

- Administrative Assistant
- Bank Teller
- Bookkeeper
- Computer Data Entry
- Computer Support
- Customer Service Representative
- Food Service
- Payroll Clerk
- Postal Clerk
- Retail Sales
- Tour Guide
- Travel Agent

### Community/Technical College

(Certificate, Apprenticeship, or Assoc. Degree Program)

- Accounting Clerk
- Administrative Assistant
- Business Sales
- Computer Network Support Specialists
- Computer User Support Specialist\*
- Court Reporter
- Entrepreneur
- Fashion Merchandising
- Hotel Management
- Insurance Sales Agent\*
- Paralegal/Legal Assistant
- Sales Representative – Non-Technical
- Web Developer

### College/University

(Undergraduate, Graduate or Post-Graduate Programs)

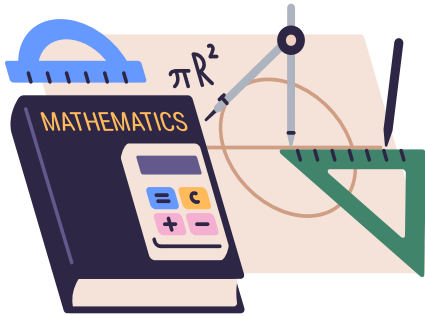
- Accountant and Auditor\*
- Admin Svcs/Facilities Manager\*
- Computer and Info Sys Manager\*
- Cost Estimator\*
- Database Administrator
- Financial Analyst
- Financial Manager\*
- General and Operations Manager\*
- Human Resources Manager
- Loan Officer\*
- Logisticians\*
- Management Analyst\*
- Market Research Analyst\*
- Marketing Manager\*
- Marketing Specialist
- Network and Computer Systems Administrator
- Sales Manager
- Web Developer

\* State of Michigan High-Demand High-Wage Career. These occupations show a favorable mix of projected long-term job growth, projected annual job openings, and median wages. They do not necessarily reflect current hiring demand.

## [Michigan's Hot 50 Job Outlook through 2030](#)



# Career Pathways



## Engineering, Manufacturing, & Industrial Technology

Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits, or working with woodworking? This may be the Career Path for you!

### Potential Four-Year Plan

#### Freshman

ELA 9  
Algebra 1  
Physics  
World History  
World Language  
VPA or Health/Phys Ed

#### Sophomore

ELA 10  
Geometry  
Chemistry  
US History  
World Language  
VPA

#### Junior

ELA 11  
Algebra 2  
Biology  
Economics/Elective  
Elective  
Elective

#### Senior

Senior English  
Math Elective  
Science Elective  
Government/Elective  
Elective  
Elective

*Honors, AP, or support options may be available. See Course Descriptions by Subject Area.*

VPA – Visual, Performing, & Applied Arts

### Career Pathway Electives

- Architectural Drafting/ CAD 1
- Architectural Drafting/ CAD 2
- Architectural Drafting/ CAD 3
- Architectural Drafting/ CAD 4
- Introduction to Drafting/CAD
- Drafting and CAD II
- Introduction to Manufacturing Tech
- Introduction to Construction Tech
- Advanced Construction Tech
- Engineering Tech 1
- Engineering Tech 2
- Engineering Tech 3
- Engineering Tech 4
- Stagecraft/Technical Theatre
- Current Global Issues
- Basic Car Care for Everyone
- Automotive Maintenance & Repair
- Advanced Auto Service
- Multimedia Technology
- Web Development & Design
- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity
- Business Management & Tech
- Entrepreneurship
- Career Intern
- AP Economics
- German, Spanish, ASL
- Creative Writing
- Design
- AP Art & Design
- Metals
- Interior Design
- All Math Classes
- All Science Classes – including AP Physics

# Career Pathways

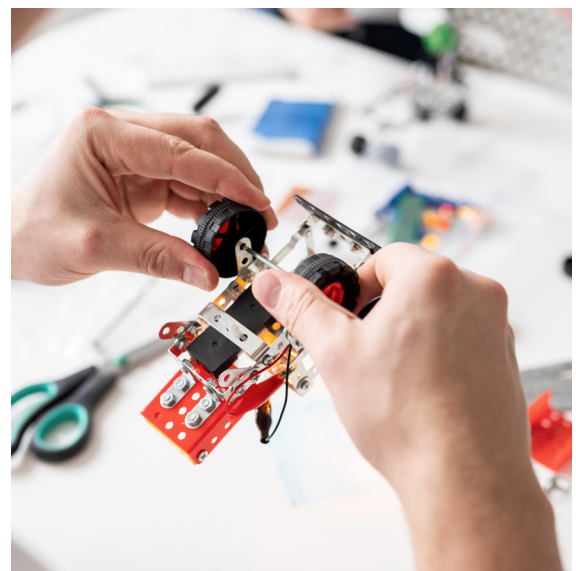
## Engineering, Manufacturing, & Industrial Technology

### Career Preparation Activities

- Educational Development Plan (EDP)/Talent Portfolio
- Job Shadowing
- Mentoring
- Portfolio
- Site Visits
- Work Experience

### Possible School and Community Activities

- Attend Professional Meetings
- Career Fairs
- Follow career related activities in Newspapers or on the Internet
- Habitat for Humanity
- Maintenance
- On-the-job Training
- Part-time employment/internship in related field
- Peer Tutoring
- Robotics
- Scouting/Explorer Activities
- Visit Trade Shows
- Volunteer Firefighter



# Career Pathways

## Potential Careers in Engineering, Manufacturing, & Industrial Technology

### High School Diploma

(with Vocational Background or on-the-Job Training)

- Auto Body & Related Repairer
- Bus & Truck Mechanics and Diesel Engine Specialists
- Brick Layer/Mason/Plasterer Computer Numerically Controlled Machine Tool Programmer
- Construction Equip Operators\*
- Custodian
- Diesel Equipment Operator
- Electrical Power-Line Installer/Repairer
- Industrial Machinery Mechanic\*
- Machinist\*
- Roofer
- Security System Installer
- Welder/Cutter/Solderer/Brazer

### Community/Technical College

(Certificate, Apprenticeship, or Assoc. Degree Program)

- Carpenter\*
- Computer-Aided Designer
- Electrician\*
- Engineering Technician
- Facilities Management
- Heavy & Tractor-Trailer Truck Driver\*
- HVAC Mechanic & Installer\*
- Industrial Engineering Technician
- Mechanical Engineering Technician
- Millwright
- Plumber/Pipefitter/Steamfitter\*
- Sheet Metal Worker

### College/University

(Undergraduate, Graduate or Post-Graduate Programs)

- Architect
- Architectural & Engineering Manager\*
- Biomedical Engineer
- Chemical Engineer
- Civil Engineer
- Commercial & Industrial Designer
- Computer Analyst/Programmer
- Construction Manager\*
- Electrical Engineer\*
- Industrial Engineer\*
- Industrial Production Manager
- Mechanical Engineering Technician
- Mechanical Engineer
- Operations Research Analyst
- Software Developer\*

\* State of Michigan High-Demand High-Wage Career. These occupations show a favorable mix of projected long-term job growth, projected annual job openings, and median wages. They do not necessarily reflect current hiring demand.

[Michigan's Hot 50 Job Outlook through 2030](#)

# Career Pathways



## Health Sciences

Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.

Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic? This may be your Career Path!

### Potential Four-Year Plan

#### Freshman

ELA 9  
Algebra 1  
Physics  
World History  
World Language  
VPA or Health/Phys Ed

#### Sophomore

ELA 10  
Geometry  
Chemistry  
US History  
World Language  
VPA

#### Junior

ELA 11  
Algebra 2  
Biology  
Economics/Elective  
Elective  
Elective

#### Senior

Senior English  
Math Elective  
Science Elective  
Government/Elective  
Elective  
Elective

*Honors, AP, or support options may be available. See Course Descriptions by Subject Area.*

VPA – Visual, Performing, & Applied Arts

### Career Pathway Electives

- Pre-Calculus
- Statistics & Probability
- Calculus
- AP Calculus
- AP Statistics
- Anatomy & Physiology
- Forensic Science
- AP Biology
- AP Computer Science Principles
- AP Chemistry
- AP Physics
- Psychology
- AP Psychology
- Sociology
- German, Spanish, ASL
- Introduction to Debate
- Visual Arts Classes
- Business Management & Technology
- Entrepreneurship
- Adult Living
- Child Development
- Body Conditioning/Toning
- Athletic Training
- Leadership
- Career Intern

# Career Pathways

## Health Sciences

### Career Preparation Activities

- Educational Development Plan (EDP)/Talent Portfolio
- Job Shadowing
- Mentoring
- Site Visits
- Work Experience

### Possible School and Community Activities

- Athletic Teams
- Baby-sitting
- Career Fairs
- Follow career related activities in Newspapers or on the Internet
- Part-time employment/internship in related field
- Peer Tutoring
- Speech Contests
- Student Government
- Volunteer Opportunities:
  - Hospice
  - Hospital
  - Nursing Home
  - Red Cross
  - Special Olympics



# Career Pathways

## Potential Careers in Health Sciences

### High School Diploma

(with Vocational Background or on-the-Job Training)

- Animal Caretaker
- Clinical Assistant
- Dental Assistant
- Dietary Aide
- Home Health Aide
- Medical Office Assistant
- Personal Care Aide

### Community/Technical College

(Certificate, Apprenticeship, or Assoc. Degree Program)

- Cardiovascular Technologist and Technician
- Dental Hygienist
- Diagnostic Medical Sonographer
- Massage Therapist
- Medical Assistant
- Medical Transcriptionist
- Optometry Technician
- Paramedic
- Pharmacy Technician
- Physical Therapy Assistant\*
- Radiographic Technician
- Respiratory Therapist
- Surgical Technician
- Veterinary Assistant

### College/University

(Undergraduate, Graduate or Post-Graduate Programs)

- Chemist
- Chiropractor
- Dentist
- Health Specialties Teachers, Postsecondary\*
- Medical & Health Service Manager\*
- Nurse Practitioner\*
- Nutritionist/Dietician
- Occupational Therapist\*
- Optometry
- Pharmacist
- Physical Therapist\*
- Physician/Surgeon\*
- Physician Assistant\*
- Psychologist
- Registered Nurse\*
- Speech & Language Pathology\*
- Veterinarian

\* State of Michigan High-Demand High-Wage Career. These occupations show a favorable mix of projected long-term job growth, projected annual job openings, and median wages. They do not necessarily reflect current hiring demand.

[Michigan's Hot 50 Job Outlook through 2030](#)

# Career Pathways



## Human Services

Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, childcare, social services, and personal services.

Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems? Do you like reading, storytelling, traveling, or tutoring young children? This could be your Career Path!

### Potential Four-Year Plan

#### Freshman

ELA 9  
Algebra 1  
Physics  
World History  
World Language  
VPA or Health/Phys Ed

#### Sophomore

ELA 10  
Geometry  
Chemistry  
US History  
World Language  
VPA

#### Junior

ELA 11  
Algebra 2  
Biology  
Economics/Elective  
Elective  
Elective

#### Senior

Senior English  
Math Elective  
Science Elective  
Government/Elective  
Elective  
Elective

*Honors, AP, or support options may be available. See Course Descriptions by Subject Area.*

VPA – Visual, Performing, & Applied Arts

### Career Pathway Electives

- |                                    |                                      |                         |                       |
|------------------------------------|--------------------------------------|-------------------------|-----------------------|
| • Accounting                       | Principles                           | • Leadership            | • Sociology           |
| • Business Management & Technology | • German, Spanish, ASL               | • Interior Design       | • Psychology          |
| • Entrepreneurship                 | • Adult Living                       | • Cosmetology           | • AP Psychology       |
| • Marketing                        | • Ed General 1 - Early Childhood     | • Culinary Arts         | • All Math Classes    |
| • Multimedia Technology            | • Ed General 2 - Educational Careers | • Creative Writing      | • All Science Classes |
| • Web Design & Development         | • Ed General 3 - MI-YDA              | • TIES                  |                       |
| • AP Computer Science              |                                      | • AP Economics          |                       |
|                                    |                                      | • AP US Government      |                       |
|                                    |                                      | • Current Global Issues |                       |

# Career Pathways

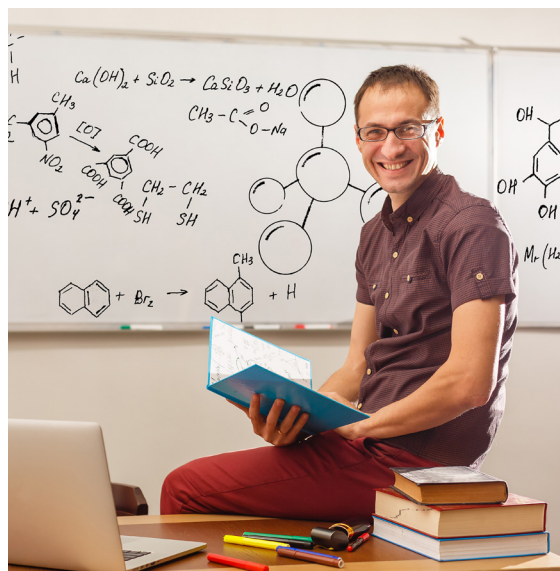
## Human Services

### Career Preparation Activities

- Educational Development Plan (EDP)/Talent Portfolio
- Job Shadowing
- Mentoring
- Site Visits
- Work Experience

### Possible School and Community Activities

- Athletic Teams
- Baby-sitting
- Career Fairs
- Coach Youth Sports
- Community Service
- Day Care Volunteer/Worker
- Follow career related activities in Newspapers or on the Internet
- Part-time employment/internship in related field
- Peer Tutoring
- School Plays
- Speech Contests
- Student Government
- Volunteer Opportunities:
  - Church
  - Hospice
  - Hospital
  - Nursing Home
  - Special Olympics





# Career Pathways

## Potential Careers in Human Services

### High School Diploma

(with Vocational Background or on-the-Job Training)

- Animal Services Worker
- Beauty Consultant
- Child Care
- Corrections Officer
- Firefighter
- Fitness Instructor
- Flight Attendant
- Food Service
- Life guard
- Nanny
- Personal Assistant
- Teacher Assistant

### Community/Technical College

(Certificate, Apprenticeship, or Assoc. Degree Program)

- Computer Trainer
- Corrections Officer
- Cosmetologist
- Court Reporter
- Crime Lab Technician
- Early Childhood Educator
- Law Enforcement
- Legal Assistant/Paralegal\*
- Legal Transcriptionist
- Security Management
- Translator

### College/University

(Undergraduate, Graduate or Post-Graduate Programs)

- Abuse/Crisis Counselor
- Clergy
- Crime Scene Investigator
- Criminal Justice
- Education Administrator\*
- Educational Counselor\*
- Healthcare Social Worker\*
- Human Resource Specialist
- Lawyer\*
- Political Scientist
- Psychology/Sociology
- Public Relations
- Social Work\*
- Social & Community Svc Mgr\*
- Teacher\*
- Vocational Counselor

\* State of Michigan High-Demand High-Wage Career. These occupations show a favorable mix of projected long-term job growth, projected annual job openings, and median wages. They do not necessarily reflect current hiring demand.

## [Michigan's Hot 50 Job Outlook through 2030](#)

# Career Pathways



## Natural Resources & Agriscience

Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting and fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? This might be your Career Path!

### Potential Four-Year Plan

#### Freshman

ELA 9  
Algebra 1  
Physics  
World History  
World Language  
VPA or Health/Phys Ed

#### Sophomore

ELA 10  
Geometry  
Chemistry  
US History  
World Language  
VPA

#### Junior

ELA 11  
Algebra 2  
Biology  
Economics/Elective  
Elective  
Elective

#### Senior

Senior English  
Math Elective  
Science Elective  
Government/Elective  
Elective  
Elective

*Honors, AP, or support options may be available. See Course Descriptions by Subject Area.*

VPA – Visual, Performing, & Applied Arts

### Career Pathway Electives

- Astronomy
- Forensic Science
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics
- Accounting
- Business Management & Tech
- Entrepreneurship
- Marketing
- Leadership
- Architectural Drafting/CAD 1
- Architectural Drafting/CAD 2
- Architectural Drafting/CAD 3
- Architectural Drafting/CAD 4
- Introduction to Drafting/CAD
- Drafting and CAD II
- Introduction to Construction Tech
- Advanced Construction Tech
- Engineering Tech 1
- Engineering Tech 2
- Engineering Tech 3
- Engineering Tech 4
- Beginning Auto
- Advanced Auto
- Multimedia Technology
- Web Design & Development
- AP Computer Science Principles
- Cybersecurity
- Creative Writing
- German, Spanish, ASL
- Current Global Issues
- Psychology
- AP Psychology

# Career Pathways

## Natural Resources & Agriscience

### Career Preparation Activities

- Educational Development Plan (EDP)/Talent Portfolio
- Job Shadowing
- Mentoring
- Site Visits
- Work Experience

### Possible School and Community Activities

- 4-H Activities/Shows
- Adopt-A-Highway
- Career Fairs
- Coach Youth Sports
- Community Service
- Ecology Projects
- Environmental Club
- Follow career related activities in Newspapers or on the Internet
- Part-time employment/internship in related field
- Peer Tutoring
- Science Museum Worker/Volunteer
- Science Related Competitions
- Science Olympiad
- Scouting/Explorer Activities
- Volunteer at Nature Center/Park
- Volunteer Firefighter



# Career Pathways

## Potential Careers in Natural Resources & Agriscience

### High School Diploma

(with Vocational Background  
or on-the-Job Training)

- Animal Caretaker
- Farm Worker
- Florist
- Greenhouse/Nursery Assistant
- Horse Trainer
- Landscaping Assistant
- Pest Controller
- Wildlife Technician

### Community/Technical College

(Certificate, Apprenticeship,  
or Assoc. Degree Program)

- Biological Technician
- Conservation Officer
- Farm Manager
- Forestry Technician
- Golf Course Management
- Horticulturist
- Landscape Design
- Nursery Worker
- Park Ranger
- Solar Energy Technician
- Veterinarian Technician

### College/University

(Undergraduate, Graduate or Post-Graduate Programs)

- Agricultural Engineer
- Astronomer
- Biologist
- Botanist
- Chemist
- Conservation Officer
- Forensic Scientist
- Forester
- Landscape Architect
- Marine Biologist
- Meteorologist
- Oceanographer
- Physicist
- Wildlife Management

[Michigan's Hot 50 Job Outlook through 2030](#)

# Career Pathways

## Career Focused Education Course Progression

Middle School → High School

Career Pathway			
Industrial & Engineering Technology	Business, Management & Technology	Arts & Communication	Human Services
Middle School Programming			
Pre-Engineering	Digital Technology	Communication Arts	Health
High School Programming			
Automotive Tech (MHS)	Accounting (LHS & MHS)	Broadcasting (LHS)	Education General (MHS)
Construction (MHS)	AP Computer Science (LHS & MHS)	Graphic Arts (LHS)	
Drafting (LHS & MHS)	Business (LHS & MHS)	Theater & Stage Craft (LHS & MHS)	
Engineering/CAD (LHS)	Cybersecurity (LHS & MHS)		
Hands-on Apps (MHS)	Graphic Arts (LHS)		
Manufacturing (MHS)	Information Technology (LHS & MHS)		
	Marketing (LHS & MHS)		



# Course Offerings Summary

## Automotive Technology

Basic Car Care for Everyone (V)  
Automotive Maintenance &  
Light Repair (MLR) (M,V)  
Advanced Automotive Service (M,V)

## Finance

Accounting 1, 2, 3, 4 (M)

## Business Management

Business Management &  
Technology 1 (M)  
Business Management &  
Technology 2 (M,V)

## Engineering & Design Tech

Engineering Technology  
1, 2, 3, 4 (M,V)  
Architectural Drafting/CAD 1 (M,V)  
Architectural Drafting/CAD 2 (M,V)  
Architectural Drafting/CAD 3 (M,V)  
Architectural Drafting/CAD 4 (M,V)  
Intro to Drafting/CAD (M,V)  
Drafting & CAD 2 (M,V)  
Intro to Construction  
Technology (M,V)  
Adv. Construction Technology (M,V)  
Hands On Operational Skills (V)

## Education General

Education General 1 -  
Early Childhood (V)  
Education General 2 -  
Education Career (V)  
Education General 3 - MI-YDA (V)

## Graphic Arts

Graphic Arts 1, 2 (V)

## Information Technology

AP Computer Science Principles (M)  
AP Computer Science A (M)  
Cybersecurity 1, 2  
Multimedia Technology (V)  
Web Development & Design (V)

## Marketing

Marketing 1- Concepts (V)  
Marketing 2 - Sales & Advertising (V)  
Sports & Entertainment Marketing (V)  
School Store 1 - Operations (M,V)  
School Store 2 - Management (M,V)  
Entrepreneurship (M,V)

## Theatre Art

Introduction to Theatre Arts (V)  
Play Production (V)  
Stagecraft/Technical Theatre (V)

## Video & TV Broadcasting

Basic Video (V)  
Advanced Video/Broadcasting (V)  
Applied Video Intern (V)

## Experiential Learning

Career Internship  
Teacher Cadet (V)  
Adv. Teacher Cadet (V)

## English

English Language Arts 9 (N)  
Honors English Language Arts 9 (N)  
ELA 9 Foundations  
English Language Arts 10 (N)  
Honors English Language Arts 10 (N)  
English Language Arts 11 (N)  
AP English Language & Composition (N)  
Senior English (N)  
AP English Literature & Composition (N)  
Senior Composition (N)  
Great Works (N)  
Creative Writing 1, 2 (V, N - 1 max)  
Introduction to Debate (N)  
Introduction to Journalism (V, N)  
Newspaper (V)

## Math

Algebra 1 (N)  
Algebra 1 Foundations  
Geometry (N)  
Honors Geometry (N)  
Algebra 2 (N)  
Honors Algebra 2 (N)  
Precalculus (N)  
AP Precalculus (N)  
AP Calculus AB (N)  
Statistics and Probability (N)  
AP Statistics (N)  
Personal Finance

# Course Offerings Summary

## Instrumental Music

Symphonic Band (V)  
Wind Ensemble (V)

## Vocal Music

Concert Choir (V)  
Lakeland Singers (V)  
Choraleers (V)  
Center Stage (V)

## Physical Education

Personal Fitness  
Athletic Training  
Body Conditioning  
Body Toning  
Team Sports

## Science

Physics (N)  
Chemistry (N)  
Biology (N)  
Anatomy and Physiology (N)  
Astronomy (N)  
Forensic Science (N)  
AP Biology (N)  
AP Chemistry (M, N)  
AP Environmental Science (N)  
AP Physics (1 or C) (M, N)

## Skills for Living & Interior Design

Health  
Adult Living  
Interior Design (V)

*Note: Child Development courses are now in the CFE section under Education General.*

## Social Studies

World History and Geography (N)  
AP Human Geography (N)  
EL Sheltered World History (N)  
US History and Geography (N)  
AP US History (N)  
EL Sheltered US History (N)  
Economics (N)  
AP Economics (M, N)  
Senior Government (N)  
AP US Government & Politics (N)  
Current Global Issues (N)  
Practical Law (N)  
Psychology (N)  
AP Psychology (N)  
Sociology(N)

## Visual Art

Fundamentals of Art & Design (V)  
Drawing & Painting (V)  
Advanced Drawing & Painting (V)  
Pottery (V)  
Advanced Pottery (V)  
Creative Metals (V)  
Advanced Creative Metals (V)  
Digital Photography (V)  
Advanced Digital Photography (V)

## World Language

American Sign Language 1, 2 (N)  
German 1, 2, 3, 4 (N)  
Spanish 1, 2, 3, 4, 5 (N)

## Other Electives

E-Learning Program  
EL (English Learner)  
Academic Skills  
EL (English Learner)  
Foundations  
Student Leadership  
TIES (Teaching, Interacting, Encouraging Students) (V)  
Yearbook (V)  
OSTC (V)

M – satisfies Senior year  
Math-related credit

V – satisfies Visual, Performing  
& Applied Arts credit

N – NCAA approved course

*NOTE: Due to student enrollment, student interest, or staff certification, some classes may not be offered every year.*

# Career Focused Education Courses

## Automotive Technology

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Basic Car Care for Everyone	9, 10, 11, 12	Semester	None	V	MHS Only
Automotive Maintenance and Light Repair	10, 11, 12	Year	Basic Car Care and Instructor Approval	M,V	MHS Only
Advanced Automotive Service	11, 12	Year	Basic Car Care and Instructor Approval	M,V	MHS Only

## Finance

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Accounting 1	10, 11, 12	Semester	None	M	Both
Accounting 2	10, 11, 12	Semester	Accounting 1	M	Both
Accounting 3	11, 12	Semester	Accounting 2	M	Both
Accounting 4	11, 12	Semester	Accounting 3	M	Both

## Business Management

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Business Mgmt & Tech 1	9, 10, 11, 12	Semester	None	M	Both
Business Mgmt & Tech 2	10, 11, 12	Year	BMT 1 and Course Application	M,V	Both

## Engineering & Design Technology

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Engineering Technology 1	9, 10, 11, 12	Semester	None	M,V	LHS Only
Engineering Technology 2	9, 10, 11, 12	Semester	Engineering Tech 1	M,V	LHS Only
Engineering Technology 3	10, 11, 12	Semester	Engineering Tech 2	M,V	LHS Only
Engineering Technology 4	10, 11, 12	Semester	Engineering Tech 3	M,V	LHS Only
Architectural Drafting/CAD 1	9, 10, 11, 12	Semester	None	M,V	LHS Only
Architectural Drafting/CAD 2	9, 10, 11, 12	Semester	Arch. Drafting/CAD 1	M,V	LHS Only
Architectural Drafting/CAD 3	10, 11, 12	Semester	Arch. Drafting/CAD2	M,V	LHS Only
Architectural Drafting/CAD 4	10, 11, 12	Semester	Arch. Drafting/CAD 3	M,V	LHS Only
Introduction to Drafting/CAD	9, 10, 11, 12	Semester	None	M,V	MHS Only
Drafting and CAD 2 (Sem 2 Only)	9, 10, 11, 12	Semester	Intro to Drafting/CAD	M,V	MHS Only
Intro to Construction Technology	9, 10, 11, 12	Semester	None	M,V	MHS Only



# Career Focused Education Courses

## Engineering & Design Technology (continued)

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Advanced Construction Technology	9, 10, 11, 12	Semester	Intro to Construct Tech	M,V	MHS Only
Hands On Operational Skills (\$)	9, 10, 11, 12	Semester	None	V	MHS Only

## Education General

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Education General 1 – Early Childhood	10, 11, 12	Semester	Health	V	MHS Only
Education General 2 – Educational Careers	10, 11, 12	Semester	Education General 1	V	MHS Only
Education General 3 – MI-YDA	11, 12	Semester	Education General 2	V	MHS Only

## Graphic Arts

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Graphic Arts 1	9, 10, 11, 12	Semester	None	V	LHS Only
Graphic Arts 2	9, 10, 11, 12	Semester	Graphic Arts 1	V	LHS Only

## Information Technology

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
AP Computer Science Principles	10, 11, 12	Year	Algebra 1	M	Both
AP Computer Science A	10, 11, 12	Year	AP Computer Science Principles or Approval	M	LHS Only
Cybersecurity 1	10, 11, 12	Semester	None		Both
Cybersecurity 2	10, 11, 12	Semester	Cybersecurity 1		Both
Multimedia Technology	9, 10, 11, 12	Semester	None	V	Both
Web Development & Design	9, 10, 11, 12	Semester	None	V	Both

## Marketing

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Marketing 1 - Concepts	9, 10, 11, 12	Semester	None	V	Both
Marketing 2 – Sales & Advertising	9, 10, 11, 12	Semester	Marketing 1	V	Both
Sports & Entertainment Marketing	10, 11, 12	Semester	Marketing 2	V	Both

# Career Focused Education Courses

## Marketing (continued)

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
School Store 1 - Operations	10, 11, 12	Semester	Course Application	M,V	Both
School Store 2 - Management	10, 11, 12	Semester	Course Application	M,V	Both
Entrepreneurship	10, 11, 12	Semester	Marketing 2	M,V	Both

## Theatre Arts

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Introduction to Theatre Arts	9, 10, 11, 12	Semester	None	V	Both
Play Production	10, 11, 12	Semester LHS: 7th Hour	Intro to Theatre Arts	V	Both
Stagecraft/Technical Theatre	10, 11, 12	Semester 7th Hour	Play Production	V	Both

## Video & TV Broadcasting

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Basic Video	9, 10, 11, 12	Semester	None	V	LHS Only
Advanced Video/ Broadcasting	9, 10, 11, 12	Semester	Basic Video	V	LHS Only
Applied Video Intern	10, 11, 12	Semester	See Course Description	V	LHS Only

## Experiential Learning

Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Career Internship	11, 12	Up to 2 hrs/sem	Course Application	V	Both
Teacher Cadet	11, 12	Semester	Course Application	V	LHS Only
Advanced Teacher Cadet	11, 12	Semester	Course Application	V	LHS Only

*If a student is uncertain of course choices (including AP/Honors courses) they should discuss their options with their current teacher and their counselor.*

M – satisfies Senior year Math-related credit V – satisfies Visual, Performing & Applied Arts credit N – NCAA approved course \$ – course fee



# Career Focused Education Courses

## Automotive Technology

### **Basic Car Care for Everyone (MHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

This course is a very basic introduction to automobiles. Instruction includes general vehicle maintenance, as well as road side repairs such as how to jump start a car and change a flat tire. Students can inspect and work on their own vehicles to reinforce the classroom theory.

### **Automotive Maintenance and Light Repair (MLR) (MHS Only)**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: Basic Car Care for Everyone/Instructor Approval

Students will cover all major systems of the vehicle. There is an online component to the class, requiring student to complete some ELearning from home. Students may utilize articulation agreements with some community colleges and universities and earn up to six college credits. Student can also earn up to four Student ASE Certifications towards an automotive career. Participation in SkillsUSA competitions are optional but encouraged.

### **Advanced Automotive Service (MHS Only)** **credit**

**One Year/1**

Grades 11, 12 • Prerequisite: Basic Car Care for Everyone/Instructor Approval

After completion of the MLR tasks, the Advanced Auto student is ready to take on larger projects. This highly active course will allow students to work almost entirely in the shop, applying and enhancing the skills they learned in previous classes. Troubleshooting, problem solving, customer service, parts ordering, quality craftsmanship, and time management will all be utilized. Get a jump start on a great career with possible placements with local automotive dealers and independent shops, as well as the potential of earning college credit through articulation agreements with several colleges and universities! This is a yearlong course which meets for one hour per day.

## Finance

### **Accounting 1**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: None

This course is a study of fundamental accounting principles for a sole proprietorship and corporation. Students will learn the entire accounting cycle. In addition, accounting concepts in corporate accounting, payroll, and tax accounting will be covered. Hands-on practice includes both manual and automated accounting procedures using computers. Students will be able to make journal entries, ledger postings, and prepare financial statements for a fiscal period.

### **Accounting 2**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Accounting 1

In Accounting 2, students continue to develop an understanding of the accounting procedures covered in Accounting I, as well as analyze accounts, prepare business statements and close accounting books and records. After students gain proficiency with manual accounting procedures, students use automated accounting software as an enrichment activity to facilitate the processing of accounting data and experience the use of computers in accounting. The course culminates with a real-world business accounting project using actual business forms to reinforce basic concepts of the accounting cycle and procedures.

# Career Focused Education Courses

## Finance (continued)

### **Accounting 3**

**One Semester/.5 credit**

Grades 11, 12 • Prerequisite: Accounting 2

Through problems and discussion that reinforce accounting procedures learned in Accounting 1 and 2, students gain a deeper understanding of accounting practices used to plan, organize, interpret and analyze financial systems. In Accounting III, students focus on corporate accounting. Students will apply departmentalized accounting practices to analyze financial information for a corporation. Business ethics in the field of accounting is examined. The computer is used extensively to analyze transactions and financial statements.

### **Accounting 4**

**One Semester/.5 credit**

Grades 11, 12 • Prerequisite: Accounting 3

In Accounting 4, students focus on interpreting and analyzing personal and business financial information using manual and computerized systems. Students examine a variety of financial planning tools. Managerial and cost accounting are also emphasized. Students identify accounting concepts and practices relative to managerial and cost accounting currently being used in the business world. Students identify how a background in accounting prepares professionals for administrative career opportunities. Professional organizations are identified and researched.

## Business Management

### **Business Management & Technology 1**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

This comprehensive business course provides students with the opportunity to build a solid foundation of knowledge in established business principles and practices using information technology applications. Students will explore topics such as business operations and quality management, financial analysis, global business communications, business law, ethics, and government regulations. Additionally, students will be focused on earning Microsoft Office Specialist industry based certifications.

### **Business Management & Technology 2**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: BMT 1 and Course Application

Business Management & Technology 2 is a year-long class in a simulated business environment where students (employees) experience all facets of being an employee including purchasing, sales, marketing, web and graphic design, product development, accounting, and human resources and management. BMT 2 provides an engaging environment to help students further develop their business and professional skills as they gain real-world, valuable skills such as problem solving, decision making, critical analysis, negotiation, teamwork, communication/public speaking, time management, and technology application.

*\*\*Each class has the opportunity to become involved in the DECA student marketing club and competition. Included in DECA are travel opportunities to New York City and various, locations; networking opportunities and over \$250,000 in scholarships.*

# Career Focused Education Courses

## Engineering and Design Technology

### **Engineering Technology 1 (LHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

This is an introductory engineering course that helps students understand the field of engineering/engineering technology. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. Exposure to 3D design software using Autodesk software is also part of this course.

### **Engineering Technology 2 (LHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Engineering Technology 1

Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil, electrical, mechanical engineering. Students will also understand the use of materials and how transportation and logistical engineering systems are used. Students will continue to use 3D design software to solve major course projects. Students continue to document their projects, solve problems, and communicate their solutions to their peers and members of the professional community of engineers.

### **Engineering Technology 3 (LHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Engineering Technology 2

This course is a continuation of Engineering Technology 2, in which students will be guided in creating a proposal for a project of their choice. Students will apply the skills learned in Engineering Technology 2 to complete both advanced design tasks and an engineering portfolio. Areas of emphasis will include the design process, testing and analysis of prototypes, and the use of CAD.

### **Engineering Technology 4 (LHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Engineering Technology 3

In this class, students will apply what they learned in Engineering Technology 3 to create a project(s) of their own choosing. Focus will be on more advanced drawing and design. Students will apply the skills learned in Engineering Technology 3 to complete both advanced design tasks and an engineering portfolio. Areas of emphasis will include the design process, testing and analysis of prototypes, the use of CAD, project management and professional presentation skills.

### **Architectural Drafting/CAD 1 (LHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

This course is designed to give the student experience in residential design starting with the creation of basic floor plans, elevations and site plans. Students will learn to use standard drafting practices along with CAD (Computer Aided Design) as it relates to architecture. Students will identify supplementary views such as isometric, oblique, perspective and orthographic. As students learn to read plans for a single-family residence and construct a scale model, they will gain a realistic view of how a house is designed and built. Careers and skills related to this profession will also be explored.

# Career Focused Education Courses

## Engineering and Design Technology (continued)

### **Architectural Drafting/CAD 2 (LHS Only) One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Architectural Drafting/CAD 1

This course continues the exploration of Architecture identified in the previous course. Students will be introduced to the design process steps as they refine and apply their skills in producing drawing, rendering and three-dimensional models. Students will be introduced to site planning, specifications and structural systems as well as building material and sustainability. Presentation skills and leadership as it applies to teamwork and collaboration will be emphasized. Students will also create a portfolio to document their learning.

### **Architectural Drafting/CAD 3 (LHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Architectural Drafting/CAD 2

This course is a continuation of Architectural Drafting/CAD 2, in which students will be provided with instruction in advanced techniques and processes. Students will apply the skills learned in Architectural Drafting/CAD 1 & 2 to complete both advanced design tasks and professional portfolios. Students will be introduced to commercial design. Students will be guided to design projects of their own choosing and work through the process of design, schematic drawings and construction documents. Areas of emphasis will include project management and professional presentation skills. Students will then add these projects to their portfolios.

### **Architectural Drafting/CAD 4 (LHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Architectural Drafting/CAD 3

This course is a continuation of Architectural Drafting/CAD 3, in which students will be provided with instruction in advanced techniques and processes. Students will apply the skills learned in architectural Drafting/CAD 3 to complete both advanced design tasks and professional portfolios. Students will write proposals for their own design projects and once approved, work through the process of design, schematic drawings and construction documents. Areas of emphasis will include project management and professional presentation skills. Students will then add these projects to their portfolios to show a deeper mastery of the content.

### **Introduction to Drafting/CAD (MHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

An introduction to the language of industry; includes lettering, sketching, pictorials, multiview projection, dimensioning, auxiliaries, sections, article summaries, and computer aided design (CAD). Drafting has been described as the language of the industry. This graphic language is used to communicate ideas clearly and concisely in Architectural and Engineering fields. This course will introduce you to this language by providing:

1. Introductory skills in lettering, sketching pictorials, sketching multiviews, and using drafting equipment.
2. Experience to visualize three dimensional objects from multiview drawings.
3. Application of basic drafting procedures and techniques in preparing working drawings.
4. An introduction to computer aided drafting (CAD).
5. A positive attitude about drafting for personal and professional uses.

### **Drafting and CAD 2 (MHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Introduction to Drafting/CAD

(2nd semester only) This course is designed to add to the knowledge base students received in Intro. to Drafting. Students will complete drafting activities in the following areas; sketching, lettering, geometric construction, multi-view projection, dimensioning, sectional views, auxiliary views, revolutions, threads and fasteners, detail and assembly, pictorials, development and intersection. The student will receive more knowledge in Computer Aided Drafting. Exposure to computer-aided drafting using AutoCAD software is experienced in this class.

# Career Focused Education Courses

## Engineering and Design Technology (continued)

### **Advanced Construction Technology (MHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Construction Technology

Students will be introduced to more advanced concepts of the construction industry and be challenged to apply what they learned in the Construction Technology I class. Students will apply their skills in the areas of rough carpentry; framing, drywall, tiling, plumbing, electrical wiring, window framing and finish woodworking skills. This course is designed to be a “hands on” experience and students will be given an opportunity to “perfect” or improve their skills in construction technology. *Note: Students will be required to pass a laboratory safety test before they can participate in the shop/laboratory experience. This safety test is given to ensure that every student is aware of the safety rules and regulations in this classroom.*

### **Hands-On Operational Skills (MHS Only)**

**One Semester/.5 credit**

**Please note there is a fee for this course** • Grades 9, 10, 11, 12 • Prerequisite: None

This course will focus on very practical, lifelong skills that everyone can use. Topics include: hand & power tools, painting and refinishing, design and problem solving, common household repairs, small engine service, lawn/garden equipment maintenance and repair. Students will practice critical thinking, project planning and time management skills.

## Education General

### **Education General 1 - Early Childhood (MHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Health

Interested in learning about any area of education (teaching, social work, physical therapy, etc.), then this course is for you! Students will be involved in a face-paced, innovative, and hands-on curriculum where they gain knowledge about the developing child from pregnancy through 18 years of age. Children’s literature plays a strong role in the curriculum as we learn about literacy, cultural awareness, diversity and inclusion through picture books. Focus in Education General 1 will be on pregnancy through grade school from the perspective of a teacher or caregiver. Students will develop skills that will help in college and beyond such as presentation, public speaking, writing, and communication and reasoning. They will spend one class period observing a functioning classroom at Heritage Elementary. Students will also complete the MI-Registry Safety Training Module, which is required to work in most state certified Early Childhood Centers.

### **Education General 2 - Educational Careers (MHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Education General 1

This is a continuation of Education General 1 and completion of the Teacher Cadet curriculum. Students will continue to learn about the role of schools and teachers today and throughout history. Students will focus on school age children in preparation for a pre-student teaching experience in a HVS building during class time for at least 8 weeks. At the end of the semester, students should have a portfolio of experiences and work completed in Education General 1 & 2 to take to job interviews and college meetings. Students will be required to observe three elementary aged after school activities along with their students teaching time. Students must provide their own transportation to observation and teaching locations. Some Michigan colleges and universities are accepting the completion of the Education General program as college credit (varies by institution).

# Career Focused Education Courses

## Education General (continued)

### **Education General 3 - MI-YDA (MHS Only)**

**One Semester/.5 credit**

Grades 11, 12 • Prerequisite: Education General 2

Offered after a successful completion of Education General 1 & 2, Education General 3 allows students entering the education field time to focus on the MI-YDA state credential. This credential may provide additional college credit and work opportunities including after school jobs and para positions around the state. Students in this class will gain additional classroom hours toward their total needed for the credential. Students will be expected to participate in after school activities for extra hours and experiences, including the new Educators Rising chapter at MHS. Field trips and competition opportunities will help build experience and add to students' growing portfolios. Education General 3 is a self led class taught in tandem with Education General 2 and requires students to be motivated, self-led and leaders to those in the program.

For more information about the MI-YDA, <https://www.mi-yda.org/>.

## Graphic Arts

### **Graphic Arts 1 (LHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

Graphic Arts is an introduction to all aspects of the Graphic Communications industry. Students will learn fundamental tools using industry standard software programs like Adobe Illustrator, Photoshop, and InDesign. Other topics such as Digital Image Capture, Elements & Principles of Design, Color Theory, and Possible Career Pathways in Graphic Communications will be discussed.

### **Graphic Arts 2 (LHS Only)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Graphic Arts 1

Students will be introduced to advanced computer graphics and printing tools and techniques. The emphasis of this class will be placed on individual tasks in the following areas: multi-colored screen printing, digital printing technology, advanced techniques in the leading computer software in the industry. Computer generated art will be learned on a computer using Adobe Illustrator, Adobe InDesign, and Adobe Photoshop.

## Information Technology

### **Advanced Placement (AP) Computer Science Principles**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: Algebra with a strong foundation in basic algebraic concepts

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. The AP Computer Science Principles course is designed to be equivalent to a first semester introductory college computing course. The major areas of study encompass ideas foundational to studying computer science and are organized around five big ideas – creative development, data, algorithms and programming, computer systems and networks, and the impact of computing. These big ideas connect students to a curriculum scope that includes the art of programming but is not programming-centric.



# Career Focused Education Courses

## Information Technology (continued)

### **Advanced Placement (AP) Computer Science A (LHS Only)**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: AP Computer Science Principles or Instructor Approval

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. The course emphasizes object-oriented programming and design using the Java programming language. AP Computer Science A is equivalent to a first-semester, college-level course in computer science.

### **Cybersecurity 1**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: None

This course focuses today's evolving and persuasive technological environment with an emphasis on securing personal, organizational, and national information. Explore the broad topic of cybersecurity in a way that matters to you. Learn how to protect your personal data and privacy online and in social media, and why more and more IT jobs require cybersecurity awareness and understanding. Designed for the independent learner, Cybersecurity 1 will include self-paced projects and programs which will vary in size and complexity. Opportunities available for Industry certification.

### **Cybersecurity 2**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Cybersecurity 1

The cybersecurity field is the fastest growing field in the IT industry today. Student in Cybersecurity 2 will gain competitive skills required to administer, analyze, and secure applications, networks and devices. Students will understand concepts that include threats, attacks, and vulnerabilities; exploring technology and tools; examining architecture and design; analyzing identity and access management; demonstrating risk management; and examining cryptography and public key management. Designed for the independent learner, Cybersecurity 2 will include self-paced projects and programs which will vary in size and complexity, building upon course content from Cybersecurity 1. Industry certifications will be encouraged.

### **Multimedia Technology**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

Students can develop and showcase their creativity and technical skills by using Adobe's Creative Cloud software, video cameras, and headsets with microphones, scanners, and digital cameras. Explore several software applications to create and edit images, animation, audio, and video. Projects include using layout techniques to design a product advertisement, creating an animated cartoon, working in teams to film and edit video projects, career exploration, and more!

# Career Focused Education Courses

## Information Technology (continued)

### **Web Design and Development**

Grades 9, 10, 11, 12 • Prerequisite: None

**One Semester/.5 credit**

Web Design and Development is a one-semester course in which students will combine the disciplines of design and technology to develop, create and maintain an informational web site. Students will examine the various factors that contribute to graphic design, web site design and development including industry standards, cross-platform issues, security and bandwidth. Students will contribute published web pages for a school or non-profit organization.

## Marketing

### **Marketing 1 - Concepts**

Grades 9, 10, 11, 12 • Prerequisite: None

**One Semester/.5 credit**

Marketing Concepts introduces students to the world of Marketing. Students will explore the fundamentals of the marketing mix and begin to see how business operates in a free enterprise system. Students are introduced to a variety of topics including economics, global trade, communication skills, promotion, and management. Team building and group collaboration are emphasized throughout. Students will have an opportunity to join DECA, a student marketing association, providing additional learning opportunities through travel and competitions.\*\*

### **Marketing 2 - Sales and Advertising**

Grades 9, 10, 11, 12 • Prerequisite: Marketing 1 - Concepts

**One Semester/.5 credit**

Students will learn the fundamental steps in the selling process, examine the promotional and product mixes, and practice communication skills while working collaboratively on projects. Students will create advertisements and learn about different media channels. Students will write a resume, practice interviewing, and examine careers within the sales and advertising industry. Students will be engaged in role-playing and computer simulations, field trips, and learning from guest speakers. Prerequisite: Marketing Concepts.\*\*

### **Sports and Entertainment Marketing**

Grades 10, 11, 12 • Prerequisite: Marketing 2

**One Semester/.5 credit**

Students will apply marketing principles and processes to the sports and entertainment industry. Students will learn brand building techniques, communication and promotional strategies, as well as further develop their interests in marketing. Students will examine careers within this fast paced and growing industry.\*\*

### **School Store 1 - Operations**

Grades 10, 11, 12 • Prerequisite: LHS: Marketing 1, Marketing 2 and Course Application; MHS: Course Application

**One Semester/.5 credit**

An in-depth study of marketing fundamentals is the focus of this class. Detailed work in cost-profit, purchasing, management concepts, display advertising, and personal selling are included. Students will be expected to complete a term assignment in one phase of marketing. Team projects are used in this class. Students have the opportunity to apply their marketing knowledge and skills in the school store learning laboratory.

# Career Focused Education Courses

## Marketing (continued)

### School Store 2 - Management

One Semester/.5 credit

Grades 10, 11, 12 • Prerequisite: Course Application

School Store Management is designed to provide students with knowledge and skills in marketing information management, personnel management, and retail accounting, promotion, and distribution management. Students learn techniques for training, motivating and organizing staff and practice skills in retail accounting and promotion. Students have the opportunity to apply their management knowledge and skills in the school store learning laboratory.

### Entrepreneurship

One Semester/.5 credit

Grades 11, 12 • Prerequisite: Marketing 2

In this class, students take an objective look at what it takes to operate one's own business. They examine personal career interests, skills and abilities in relation to the qualities of successful entrepreneurs to determine if entrepreneurship is a potential career fit for them. Students learn about the various tasks performed by an entrepreneur as they develop a business plan and present the plan to a panel of business professionals.\*\*

*\*\*Each class has the opportunity to become involved in the DECA student marketing club and competition. Included in DECA are travel opportunities to New York City and various, locations; networking opportunities and over \$250,000 in scholarships.*



# Career Focused Education Courses

## Theatre Arts

### Introduction to Theatre Arts

Grades 9, 10, 11, 12 • Prerequisite: None

One Semester/.5 credit

Introduction to Theatre Arts students will be acquainted with several aspects of basic dramatic techniques: dramatic history, improvisation, scene building, blocking, production design, monologues, and directing. Performing and appreciating the performance of others are also highly emphasized in Introduction to Theatre Arts. This course consists of group works and individual contributions. Memorization, teamwork, and attendance are all key requirements of this course. This course will be offered first semester and occasionally second semester, if more than one section is offered.

### Play Production

Grades 10, 11, 12 • Prerequisite: Introduction to Theatre Arts or Instructor Approval • LHS: 7th Hour

One Semester/.5 credit

Play Production class is an advanced course in Theatre Design for the student who is seriously interested in the Dramatic Arts. Coursework includes: advanced acting methods, monologue and auditioning techniques (two full monologues required), character and script analysis, and the production of a full play (evening performances held in May for the community). In this final production (making up two thirds of the coursework), students are required to take on both an acting role and a full design role (set design/construction, costuming, directing, stage managing, lighting, sound, publicity, and hair/make-up). Memorization, teamwork, attendance, and rehearsing/working outside of the school day are all key requirements of this course. **This course will only be offered second semester.**

### Stagecraft/Technical Theatre

Grades 10, 11, 12 • Prerequisite: Play Production or Instructor Approval • 7th Hour

One Semester/.5 credit

This capstone course will introduce students to the areas of stagecraft and technical theatre production. There will be a focus on developing the basic tools and procedures for creating elements of technical theatre. Technical knowledge of safety procedures and demonstrated safe operation of theatre equipment are central to success in this course. Students will be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend and assess learning in the classroom. Students will climb ladders, lift things, build (power tools), paint, work online, research, sew, work with makeup, learn theater-specific software and handle very expensive equipment in this class. The theatre elements which will be introduced will include, but are not limited to: Facility/Equipment Safety, Theater/Arts Management, Scenic Design & Set Construction/Painting, Property Management (procurement, design, creation), Lighting Design (hang and focus), Costume Design and Construction, Stage Makeup, Sound Design & Set-Up, Stage Management and Publicity/Marketing. Students will work to build a technical portfolio that can be added to and used for college and scholarship auditions during their senior year.



# Career Focused Education Courses

## Video & TV Broadcasting

### **Basic Video (LHS Only)**

Grades 9, 10, 11, 12 • Prerequisite: None

**One Semester/.5 credit**

Basic Video is an introductory course that will expose the student to all aspects of video production. Students will be involved in every aspect of video production from concept to completion. Students will produce music videos, commercials, public service announcements and news features. There will also be opportunities for students to create their own individual projects. In most cases, students will be required to video tape outside of the school day to complete projects. No prior experience is necessary. All equipment and supplies are provided for the students.

### **Advanced Video/Broadcasting (LHS Only)**

Grades 9, 10, 11, 12 • Prerequisite: Basic Video

**Multiple Semesters/.5 credit**

This class is intended to further the production skills you acquired in Basic Video. This class will focus on producing videos for the school-wide newscast, Good Morning Lakeland. Students will be producing news features and individual projects. Students should have an interest in taping school activities including sporting contests, assemblies and plays. Students will be exposed to multi-camera remote shoots and studio shoots using the HVS-TV equipment. Students will be expected to videotape outside of the school day to complete their video projects. Students will be given the opportunity to perform on camera for the school-wide video newscast. This course can lead to internships with HVS-TV and students are eligible to earn college credit through an articulation with Ferris State University and Baker College. This course may be repeated for credit. All video equipment and supplies are provided to the student.

### **Applied Video Intern (LHS Only)**

Grades 10, 11, 12 • Prerequisite: Basic Video and Course Application

**Multiple Semesters/.5 credit**

This course runs with the Basic Video class. Students in this class will be expected to assist the Basic Video students with camera operation and editing. Students who enroll in this class should enjoy helping other students. Students in this class will be expected to help all students in the Basic Video class and will also have the opportunity to create their own video productions. Video equipment is available for the students to borrow.



# Career Focused Education Courses

## Experiential Learning

### Career Internship

Grades 11, 12 • Prerequisite: Course Application

Semester/.5 credit (up to 2 hrs)

The Career Internship Program is an opportunity for 11th and 12th grade students to become involved in career exploration. The class can be taken for one semester or a full year with 1 or 2 hours of release time devoted to interning at a selected job site. The goal of the class is to explore a career firsthand to decide if it might be a path to pursue upon graduation. The program allows students to network and make quality connections in their future area of study and requires a minimum of five hours/week for each hour of Career Internship. These hours can be logged during a student's release hour(s), after school and/or on weekends. Career Interns may be paid or unpaid, depending on the internship. Students receive elective credit for successful completion of the Career Internship course. \*Students that are behind in credits may enroll in the Career Internship class as a 7th hour.

### Teacher Cadet (LHS Only)

Grades 11, 12 • Prerequisite: Course Application

One Semester/.5 credit

The Teacher Cadet class allows students interested in a teaching career to earn one semester of credit while exploring the field of education as a student and as a mentor. This course can be taken either first or second semester during 4th hour. Students will attend class sessions on Wednesdays and assist in a classroom field experience for the remaining four days each week. During their class sessions, students will learn about current issues in the field of education such as student safety, learning styles, professional development, developing lesson plans and classroom management. For their field experience, students will assist an experienced teacher at the elementary, middle or high school level. Teacher Cadets will assist with classroom discussions, lesson preparations, bulletin board displays, grading papers etc. Teacher Cadets are required to complete weekly timesheets, maintain activity logs and create a teaching portfolio.

### Advanced Teacher Cadet (LHS Only)

Grades 11, 12 • Prerequisite: Teacher Cadet

One Semester/.5 credit

The Advanced Teacher Cadet course is offered second semester during 4th hour for students that have successfully completed the Teacher Cadet class. Students can continue to work with their cooperating teacher from the Teacher Cadet class or they can select another teacher at the elementary, middle or high school level in order to expand their classroom experiences. Students will attend class sessions on Wednesdays and assist in a classroom field experience for the remaining four days each week. Advanced Cadets will be required to complete weekly timesheets and maintain activity logs while learning about more advanced issues in the field of education. Topics covered will include cognitive development, school structure, education legislation and testing in schools.



# English Courses

English Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
English Language Arts 9	9	1 year	None	N	Both
Honors English Language Arts 9	9	1 year	Course Application	N	Both
ELA 9 Foundations	9	1 semester	Referral		Both
English Language Arts 10	10	1 year	None	N	Both
Honors English Language Arts 10	10	1 year	Course Application	N	Both
English Language Arts 11	11	1 year	None	N	Both
AP English Language & Composition	11	1 year	Course Application	N	Both
Senior English	12	1 semester	None	N	Both
AP English Literature & Composition	12	1 year	Course Application	N	Both
Senior Composition	12	1 semester	None	N	Both
Great Works	12	1 semester	None	N	Both
Creative Writing 1	10, 11, 12	1 semester	None	V, N	Both
Creative Writing 2	10, 11, 12	1 semester	Creative Writing 1	V, N	LHS Only
Introduction to Debate	10, 11, 12	1 semester	None	N	LHS Only
Introduction to Journalism	9, 10, 11, 12	1 semester	Instructor Approval	V, N	Both
Newspaper	10, 11, 12	1 semester or 1 year	Intro to Journalism; Instructor Approval	V	Both

*If a student is uncertain of course choices (including AP/Honors courses) they should discuss their options with their current teacher and their counselor.*

M – satisfies Senior year Math-related credit V – satisfies Visual, Performing & Applied Arts credit N – NCAA approved course

English Course Sequence		
Grade	Required Courses	Elective Courses
9	ELA 9 or Honors ELA 9	Introduction to Journalism, ELA 9 Foundations
10	ELA 10 or Honors ELA 10	Creative Writing 1, Creative Writing 2 (LHS), Introduction to Debate (LHS), Introduction to Journalism, Newspaper
11	ELA 11 or AP English Language & Composition	Creative Writing 1, Creative Writing 2 (LHS), Introduction to Debate (LHS), Introduction to Journalism, Newspaper
12	Senior English + Elective or AP English Literature & Composition	Senior English (if in AP), Senior Composition, Great Works, Creative Writing 1, Creative Writing 2 (LHS), Introduction to Debate (LHS), Introduction to Journalism, Newspaper

# English Courses

## **English Language Arts 9**

**One Year/1 credit**

Required for Graduation • Grade 9 • Prerequisite: None

ELA 9 integrates all of the skills of language arts through exploring multiple themes in various literary forms including the novel, short story, non-fiction, poetry, and drama. Students will respond personally and analytically to these materials, demonstrating how these texts influence lives and developing roles in society. Students will be expected to respond in written forms as well as in oral presentations. Students will create a portfolio containing personal work based on individual, shared, and academic standards. Emphasis will be placed on grammar and sentence structure to guide students toward a relatively error-free and sophisticated writing style.

## **Honors English Language Arts 9**

**One Year/1 credit**

Could be taken in place of English Language Arts 9 • Grade 9 • Prerequisite: Student's potential and motivation for success will be determiners of admission into this course via an application process; see Counseling's scheduling webpage for application materials.

ELA 9 Honors is a challenging and accelerated study of language arts. Students will read a variety of texts from various genres that illustrate themes significant to societies of the past and present. Additionally, students will use these literary works as models of good writing and as sources for producing interpretive, analytical, and reflective essays. The course presupposes that students already understand and use Standard English grammar, and emphasis will be placed on grammar and sentence structure to guide students toward a relatively error-free and sophisticated writing style.

## **English Language Arts 9 Foundations**

**One Semester/.5 credit**

Grade 9 • Prerequisite: Referral

The ELA 9 Foundations course is a supplement to (not in place of) the ELA 9 curriculum. It is designed to help students, who are performing significantly below grade level, recover reading and writing skills. The course is taught using readers/writers workshop methodology: the readers workshop helps students to develop strategies to increase reading fluency and comprehension levels; the writers workshop helps students to develop confidence, voice and fluency as writers. Students enrolled in this course may qualify for a Personal Curriculum modification and take this course in lieu of 1 credit of Social Studies (excluding Government). Class graded as Pass/Fail.

## **English Language Arts 10**

**One Year/1 credit**

Required for Graduation • Grade 10 • Prerequisite: None

ELA 10 integrates all the skills of language arts through specific forms in American literature. Students will read a variety of texts from various genres that illustrate themes significant to contemporary American society. Students will read and discuss traditional and contemporary American literary selections that contribute to our common heritage. Additionally, students will use these literary works as models of good writing and as sources for producing interpretive, analytical, and reflective essays to add to their on-going portfolio. Continued emphasis will be placed on grammar and sentence structure to guide students toward a relatively error-free and sophisticated writing style.



# English Courses

## **Honors English Language Arts 10**

**One Year/1 credit**

Could be taken in place of English Language Arts 10 • Grade 10 • Prerequisite: Student's potential and motivation for success will be determiners of admission into this course via an application process; see Counseling's scheduling webpage for application materials.

ELA 10 Honors is a challenging and accelerated study of all the skills of language arts through specific forms in American Literature. Students will read a variety of texts from various genres that illustrate themes significant to the Colonial period up to contemporary American society. Additionally, students will use these literary works as models of good writing and as sources for producing interpretive, analytical, and reflective essays. The course presupposes that students already understand and use standard English grammar, and emphasis will be placed on grammar and sentence structure to guide students toward a relatively error-free and sophisticated writing style.

## **English Language Arts 11**

**One Year/1 credit**

Required for Graduation • Grade 11 • Prerequisite: None

ELA 11 integrates all the skills of English through specific forms in world literature. Students will read and critically analyze a variety of literary works from various genres from many countries/cultures of the world. Additionally, students will use these literary works as models of good writing and as sources for producing creative and documented responses that critically analyze and evaluate literary selections. Students will learn and practice techniques of formalized exposition as they develop a personal error-free style of writing. Students will also be responsible for writing an extensive, thesis-based research paper utilizing MLA standards for documentation.

## **Advanced Placement (AP) English Language and Composition**

**One Year/1 credit**

Could be taken in place of English Language Arts 11 • Grade 11 • Prerequisite: Student's potential and motivation for success will be determiners of admission into this course via an application process; see Counseling's scheduling webpage for application materials.

Advanced Placement Language and Composition is a challenging and intensive study that engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts as well as in becoming skilled writers who compose for a variety of purposes. Through their writing and reading, students will develop a mature understanding of the interactions between a writer's purpose, the audience's expectations, and the selected topic. Students will also develop a knowledge base of writing conventions and resources and the ways in which these contribute to effective writing. The subject matter of the course presupposes that students already understand and use standard English grammar. The course's intense concentration on language use should enhance students' abilities to use grammatical conventions both appropriately and with sophistication as well as to develop stylistic maturity in their writing. At the completion of the course students are expected to take the Advanced Placement examination for English Language and Composition administered by the College Board.

## **Senior English**

**One Semester/.5 credit**

Required for Graduation • Grade 12 • Prerequisite: None

In this semester long course, students will focus on developing and applying communication skills. They will continue to develop their research skills and presentation techniques including multimedia as they prepare and present oral presentations on a variety of topics. During this course, students will review their Educational Developmental Plans and reflect on their educational path and career goals. Students will plan, participate in, and reflect on a job shadow in a career pathway of their choice. This class requires active student participation in the development and presentation of a group symposium project. The symposium model requires active student participation in the development and presentation of a group project. Students will demonstrate effective oral communication, presentation, and teamwork skills in this project. Each of the areas of this course leads to students gaining an understanding of how they can attain and use leadership skills to work within both an academic post high school world as well as a societal member. Successful completion of this course is required for graduation.

# English Courses

## **Advanced Placement (AP) English Literature and Composition**

**One Year/1 credit**

**Could be taken in place of Senior English** • Grade 12 • Prerequisite: Student's potential and motivation for success will be determiners of admission into this course via an application process; see Counseling's scheduling webpage for application materials.

Advanced Placement in Literature and Composition is a one-year accelerated and intensive study of literary analysis in the form of reading, writing, thinking, listening and speaking. This course will require extensive close reading and thorough critical analysis of a challenging reading list from a variety of cultures, periods, and genres. Expectations will include adequate preparation for all assignments, consistent contributions to class discussion, and the production of thoughtful, well-researched, in-depth writing. Emphasis will be placed upon specific literary knowledge/skills to make and support independent, well-reasoned critical judgments. Students who enroll in this course are expected to take the Advanced Placement Exam in English Literature and Composition administered by the College Board. Application, teacher recommendation, and/or introductory essay may be required.

## **Senior Composition**

**One Semester/.5 credit**

Grade 12 • Prerequisite: None

Senior Composition is recommended for students who have acquired the essential language arts skills by completing the courses in 9, 10, and 11, and who have a strong interest in improving academic and practical writing skills. Students will write in a variety of analytical styles integrating information and producing essays and research papers. Students will read and discuss a variety of literature to serve as models for good writing and to provide ideas for writing tasks, at least one of which will be a research paper. In addition, students will write clear and grammatically effective business communications. Students will use a variety of resources and resource facilities efficiently and appropriately to develop the senior research project culminating in a multi-media presentation to peers.

## **Great Works**

**One Semester/.5 credit**

Grade 12 • Prerequisite: None

Great Works is recommended for students who have acquired the essential English skills by completing the courses in 9, 10, and 11, and who want to pursue a strong interest in a serious study of literature and film. Focusing primarily on novels and films that encompass themes and issues of the contemporary world, students will analyze and evaluate the relationship between print and film text through discussion and frequent writing. Students will critically evaluate how authors and directors use the techniques of their craft to convey meaning and to reflect and influence society. Students will be required to engage in meaningful discussion and to produce written responses, analyses, and a research-based multi-media presentation. As part of this course, R-rated films are shown to allow a more complete and complex discussion of theme and technique.

## **Creative Writing 1**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: None

Students will explore a variety of forms including poetry, short stories, drama, and journals as they develop a personal and sophisticated writing style. Students will write daily as they experiment with such stylistic devices as figurative language, sensory detail, description, and active voice. Students will read and critique professional and peer writings as an impetus for improved writing and development of a vocabulary consistent with creative style. Writers will be expected to produce a portfolio of edited and revised creative pieces.

# English Courses

## **Creative Writing 2 (LHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Creative Writing 1

Writers will pursue a chosen interest of creative expression while developing an individual voice as they experiment with in-depth and sophisticated forms of creative writing. They will experiment with various forms of creative expression such as satire, children's literature, chapters of novels, and script writing. Students will budget time and establish criteria to create and produce long-term projects. Students will produce collections of creative pieces, will prepare manuscripts for publication, and will present projects to the class. Students will gather, edit, and select pieces for school publication.

## **Introduction to Debate (LHS Only)**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: None

Students will learn and practice debate theory and structure. Students electing this course speak before a group and coordinate with partners in producing and delivering structured, competent debates. Students will do extensive research on contemporary controversial issues. Students will exhibit effective speech delivery skills, incorporating both argument and evidence. Debaters will practice strategic listening skills to prioritize responses, will point out fallacies in opponent's argumentation and will apply debate theory in preparing as well as judging debates.

## **Introduction to Journalism**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Instructor Approval

In Journalism, students will learn and practice the procedures of journalistic writing and good reporting. Writers will compose news stories, features, columns, and editorials by following the various steps of the writing process in the news gathering stage of writing. Students will concentrate on and perfect their interviewing skills. Writers will develop word processing skills in writing and editing demonstrating verification and copy editing procedures necessary for accuracy. Students will create a project demonstrating the principles of design and layout. Becoming active newspaper readers, students will distinguish between factual, interpretive and evaluative thinking. A course that prepares students to work on the school newspaper, Journalism helps writers develop an ethical base through the study of the rights and responsibilities of the press and the role of the newspaper in a democratic society.

## **Newspaper**

**One Semester/.5 credit or One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: Introduction to Journalism; Instructor Approval

Students in this class will plan, produce, and distribute the school newspaper. Working individually and as a group, students will perform various journalistic duties associated with the function of this small business, including advertising sales, promotion, marketing, writing, design, layout, photography, editing, and proofreading. Students will formulate and follow schedules and will be required to meet deadlines without fail. Students may elect this course more than once; however, subsequent years receive general elective credit rather than English elective credit.

# Math Courses

Math Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Algebra 1	9	1 year	None	N	Both
Algebra 1 Foundations	9	1 year	Referral		Both
Geometry	9, 10	1 year	Algebra 1	N	Both
Honors Geometry	9, 10	1 year	Algebra 1	N	Both
Algebra 2	10, 11	1 year	Geometry	N	Both
Honors Algebra 2	10, 11	1 year	Geometry	N	Both
Precalculus	11, 12	1 year	Algebra 2	N	Both
AP Precalculus	11, 12	1 year	Algebra 2	N	Both
AP Calculus AB	12	1 year	Pre-Calculus	N	Both
AP Statistics	11, 12	1 year	Algebra 2	N	Both
Statistics and Probability	11, 12	1 semester	Geometry	N	Both
Personal Finance	11, 12	1 semester	Geometry		Both

*If a student is uncertain of course choices (including AP/Honors courses) they should discuss their options with their current teacher and their counselor.*

N – NCAA approved course

Math Course Sequence				
Grade	Required Courses		Elective Courses	
	Course Sequence	Advanced Sequence	Elective Offerings	AP Offerings
9	Algebra 1	Honors Geometry	---	---
10	Geometry	Honors Algebra 2	---	---
11	Algebra 2	AP Precalculus	Personal Finance	AP Statistics
12	Precalculus or Math Elective	AP Calculus AB or AP Statistics	Statistics and Probability, Personal Finance	AP Calculus, AP Statistics

## Algebra 1

**One Year/1 credit**

Required for Graduation • Grade 9 • Prerequisite: None

In Algebra I, students develop and extend their ability to recognize and solve mathematical and real-world problems involving linear relationships. They also learn to move fluently among the graphic, numeric, symbolic, and verbal representations of these patterns. Students continue to study functions and representations of linear relationships including systems of equations, formalized function notation, and the development of bivariate data analysis topics such as linear regression and correlation. In addition, their knowledge of exponential and quadratic function families is extended and deepened. Students will experience mathematics, not only as the theoretical study of patterns and relationships, but also as a language that allows them to make sense of mathematical symbols. Finally, students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

# Math Courses

## Algebra 1 Foundations

**One Year/1 credit**

Grade 9 • Prerequisite: Referral

The Algebra 1 Foundations course is a supplement to (not in place of) the Algebra 1 curriculum. It is designed to help students, who are performing below grade level, recover math skills and conceptual understanding as well as support their learning of Algebra 1 content. Class graded as Pass/Fail.

## Geometry

**One Year/1 credit**

**Required for Graduation** • Grades 9, 10 • Prerequisite: Algebra 1

Geometry emphasizes the properties of geometric figures. Deductive and inductive reasoning are emphasized throughout the course. Topics include: the language of geometry; parts, properties and relationships of figures; constructions utilizing straight edges, compasses, and technology; congruence and similarity; surface area and volume; coordinate/transformational geometry; and right triangles, the unit circle and basic trigonometric graphs. Graphing calculators will be used. Each student is encouraged to have their own ruler, protractor, compass and scientific calculator.

## Honors Geometry

**One Year/1 credit**

**Could be taken in place of Geometry** • Grades 9, 10 • Prerequisite: Algebra 1

Honors Geometry continues the study of mathematics at an advanced level. Topics include: the language and symbolism of geometry; deductive/inductive reasoning and proof; perimeter, circumference, area, surface area, and volume; congruence and similarity; real world applications; coordinate and transformational geometry; and an introduction to the six trigonometric functions. Graphing calculators may be used.

## Algebra 2

**One Year/1 credit**

**Required for Graduation** • Grades 10, 11 • Prerequisite: Geometry

Algebra II reviews and extends basic concepts of algebra, mathematical logic, and problem solving techniques. Topics include: the real and imaginary number systems; algebra in the “real world”; polynomials; functions and relations; powers and roots; first degree inequalities in one variable; rational expressions and functions; systems of linear equations and inequalities; quadratic equations and inequalities; exponential and logarithmic equations; introduction to counting principles, probability and statistics.

## Honors Algebra 2

**One Year/1 credit**

**Could be taken in place of Algebra 2** • Grades 10, 11 • Prerequisite: Geometry

This is the second year of Algebra for advanced mathematics students. Topics include: Systems of Equations and Inequalities, including the use of matrices to solve systems of equations; quadratic, polynomial, rational, radical, exponential, and logarithmic functions; as well as the continued study of trigonometric functions; and statistics and probability. Graphing calculators will be used.

## Precalculus

**One Year/1 credit**

Grades 11, 12 • Prerequisite: Algebra 2

Precalculus is a preparatory course for calculus, where we will study the behavior of algebraic and trigonometric functions. Polar equations, logarithmic and exponential functions, matrices, conics, sequences and series, limits and derivatives will also be explored in order to deepen student understanding of algebra.

# Math Courses

## **Advanced Placement (AP) Precalculus**

**One Year/1 credit**

Grades 11, 12 • Prerequisite: Algebra 2, Course Application and/or Instructor Approval

This advanced placement course is designed for Calculus AB preparation. Course topics include Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions Involving Parameters, Vectors, and Matrices. Graphing calculators are required for the Advanced Placement test in the spring. At the completion of the course students are expected to take the Advanced Placement examination for Precalculus administered by the College Board.

## **Advanced Placement (AP) Calculus AB**

**One Year/1 credit**

Grade 12 • Prerequisite: Precalculus and Course Application and/or Instructor Approval

This challenging course will present all of the topics of the Advanced Placement Syllabus for Calculus AB, including the three overarching concepts of limits, derivatives and integrals, and their applications. Graphing calculators are required for the Advanced Placement test in the spring. At the completion of the course students are expected to take the Advanced Placement examination for Calculus AB administered by the College Board.

## **Statistics and Probability**

**One Semester/.5 credit**

Grade 11, 12 • Prerequisite: Geometry

Statistics and Probability is a course designed for all students. The purpose is to give students the necessary skills to interpret and apply statistics and probability to solve problems in the real world. Students will investigate bias, explore probability, learn through hands-on projects, and collect and analyze real-world data to make meaningful interpretations and displays of their data.

## **Advanced Placement (AP) Statistics**

**One Year/1 credit**

Grades 11, 12 • Prerequisite: Algebra 2 and Course Application and/or Instructor Approval

This class is equivalent to a one semester introductory college course in statistics. Students who successfully complete this course and the exam may receive credit and/or advanced placement in statistics. AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and making conclusions from data. Specifically, students are exposed to organizing data by describing patterns and examining relationships, producing data through planning (and conducting) studies by sampling and experimentation, probability through exploring random phenomena through probability and simulation, and inference through estimating population parameters and testing hypothesis. At the completion of the course students are expected to take the Advanced Placement examination for Statistics administered by the College Board.

## **Personal Finance**

**One Semester/.5 credit**

**Required for graduation - class of 2028 and beyond** • Grades 11, 12 • Prerequisite: Geometry

This one semester course provides students with a comprehensive study of major topics in financial literacy with related math applications. Students will develop basic knowledge of financial rights and responsibilities to support their individual career and life goals. Students will acquire tools to make thoughtful decisions about personal finance topics through reading, research, discussion and projects. Areas of study include creating and managing budgets, savings and investments, insurance, taxes and credit.

# Math Courses

## Senior Year Math-Related Course Offerings

Course Title	Math Credit	Course Title	Math Credit
Accounting 1	.5	Engineering Technology 2 (LHS)	.5
Accounting 2	.5	Engineering Technology 3 (LHS)	.5
Accounting 3	.5	Engineering Technology 4 (LHS)	.5
Accounting 4	.5	Architectural Drafting/CAD 1 (LHS)	.5
Business Management & Tech 1	.5	Architectural Drafting/CAD 2 (LHS)	.5
Business Management & Tech 2	1	Architectural Drafting/CAD 3 (LHS)	.5
Entrepreneurship	.5	Architectural Drafting/CAD 4 (LHS)	.5
School Store 1	.5	Introduction to Drafting/CAD (MHS)	.5
School Store 2	.5	Drafting and CAD 2 (MHS)	.5
Advanced Auto Service (MHS)	1	AP Chemistry	1
Automotive Maintenance & Light Repair (MHS)	1	AP Computer Science A	1
Intro to Construction Technology	.5	AP Computer Science Principles	1
Engineering Technology 1 (LHS)	.5	AP Economics	1



# Music Courses

Music Courses - Instrumental					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Symphonic Band	9, 10, 11, 12	1 year	Audition	V	Both
Wind Ensemble	9, 10, 11, 12	1 year	Audition	V	Both
Music Courses - Vocal					
Concert Choir	9, 10, 11, 12	1 year	None	V	Both
Lakeland Singers	9, 10, 11, 12	1 year	Audition	V	LHS Only
Choraleers	10, 11, 12	1 year	Audition	V	MHS Only
Center Stage	10, 11, 12	1 year	Audition	V	MHS Only

*If a student is uncertain of course choices (including AP/Honors courses) they should discuss their options with their current teacher and their counselor.*

V – satisfies Visual, Performing & Applied Arts credit

## Instrumental Music

### Symphonic Band

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: Audition

Symphonic Band is a performing ensemble open to all winds and percussionists who have successfully completed 8th grade band or its equivalent. In Symphonic Band, students will study music performance, as well as music theory, history, and aural skills at an intermediate/moderate difficulty level. Attendance at all rehearsals and performances is mandatory. Audition required; see instructor.

### Wind Ensemble

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: Audition

The Wind Ensemble is the premiere instrumental ensemble, consisting of the most skilled instrumental musicians in the school. In Wind Ensemble, students will study music performance, theory, history, and aural skills at the highest level of difficulty. It should be noted that a student might be removed from this class should (s)he not maintain proper attitude and technical proficiency required to perform this type of literature. Attendance at all rehearsals and performances is mandatory. Audition required; see instructor.

## Vocal Music

### Concert Choir

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

Concert Choir is a primary level performance ensemble. This course is designed to introduce students to the basic elements of vocal performance at the High School Level. This includes sight reading, performance practice, proper vocal technique, choral tone, and performance in various musical styles. Vocal music students are required to participate in various musical performances outside of the school day. These include but are not limited to: Fall Performances, Winter Concert, Choral Festival, and Spring Concert. No experience necessary.



# Music Courses

## Vocal Music (continued)

### **Lakeland Singer (LHS Only)**

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: Audition

Lakeland Singers is an advanced mixed performance ensemble. This course is designed for the serious music student / performer. Students must be able to read music, sing in four part harmony and commit to a performance schedule beyond the school day. Students will perform a variety of musical styles and study sight reading at the intermediate/advanced level, proper vocal technique and performance practice. Events throughout the year include: Fall Performances, Holiday Performances, Choral Festival, Spring Concert, Cabaret and community service performances. Audition required. See instructor.

### **Choraleers (MHS Only)**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: Audition

Choraleers is an advanced women's performance ensemble. This course is designed to develop and strengthen all areas of vocal music performance. Students must be able to read music, sing in four part harmony, use choreography to enhance their vocal performance and commit to a rigorous performance schedule beyond the school day. Students will perform a variety of musical styles and study sight reading at the intermediate/advanced level, proper vocal technique and performance practice. Events throughout the year include: Fall Performances, Holiday Concert, Festival, Pops, Soiree and numerous community service performances. Audition required, See instructor.

### **Center Stage (MHS Only)**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: Audition

Center Stage is an advanced mixed performance ensemble. This course is designed for the serious music student/ performer. Students must be able to read music, sing in four part harmony, use choreography to enhance their vocal performance and commit to a rigorous performance schedule beyond the school day. Students will perform a variety of musical styles and study sight reading at the intermediate/advanced level, proper vocal technique and performance practice. Events throughout the year include: Fall Performances, Holiday Concert, Festival, Pops, Cabaret and numerous community service performances. Audition required, See instructor.

# Physical Education Courses

Physical Education Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Personal Fitness	9, 10, 11, 12	1 semester	None	Both	Both
Body Conditioning	9, 10, 11, 12	1 semester	None	Both	Both
Body Toning	9, 10, 11, 12	1 semester	None	Both	Both
Athletic Training	9, 10, 11, 12	1 semester	Personal Fitness or Body Conditioning or Body Toning OR Instructor Approval	Both	LHS Only
Team Sports	10, 11, 12	1 semester	Personal Fitness or Body Conditioning or Body Toning	Both	MHS Only

*If a student is uncertain of course choices (including AP courses) they should discuss their options with their current teacher and their counselor.*

## Personal Fitness

**One Semester/.5 credit**

**One of 3 options required for Graduation** • Grades 9, 10, 11, 12 • Prerequisite: None

Personal Fitness is a course designed to develop a student's knowledge, skills and the disposition necessary to become physically educated individuals by having the means to enjoy a lifetime of healthful physical activity. Some of the concepts that will be introduced include personal conditioning, racquet and lifetime activities, team sports, aquatics and leisure activities. The students will be assessed in a variety of ways that might include physical and written tests, performance based assessments, writing and organizational assignments, active participation in daily activities, and personal goal development and achievement.

## Body Conditioning

**One Semester/.5 credit**

**One of 3 options required for Graduation** • Grades 9, 10, 11, 12 • Prerequisite: None

This course is designed for the student who is experienced with weight and conditioning exercises. Body Conditioning is an advanced elective offering where the student would utilize the fitness center, specifically with the concepts of strength training. Goal development and attainment is a requirement as well as daily participation with strength and conditioning concepts. The student will learn to distinguish which activities will help them to develop, increase and maintain muscular strength and endurance. Core concepts that will be covered in this class could include power lifting, muscular strength and conditioning. The student can be assessed using writing and/or organizational assignments, goal development and technology projects. This course will utilize the different apparatuses that are available for strength and conditioning and will allow for a student to transfer their knowledge gained from the course to their future exercise goals.

# Physical Education Courses

## **Body Toning**

**One Semester/.5 credit**

**One of 3 options required for Graduation** • Grades 9, 10, 11, 12 • Prerequisite: None

Body Toning is an advanced elective offering where the student will focus on their personal health and wellness. The course is designed for the student that is interested in concepts related to their own personal fitness journey and developing lifelong fitness and may consist of group fitness classes such as yoga, barre, spin, HIT, pilates, Zumba, circuit training, as well as toning exercises including those that target specific areas of the body. The student will utilize the fitness center, gymnasium, pool and a variety of apparatuses to aid in the development of the student's overall health and wellness goals. Assessments could include a variety of group projects and/or routines, fitness plans, health logs, and rigorous daily participation.

## **Athletic Training**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Personal Fitness or Body Conditioning or Body Toning OR Instructor Approval

This class is designed for the advanced athlete that wants to participate in a class targeted toward the needs of their specific sport. The student will participate in a variety of fitness components that could include strength training, speed development, individual skill development, and cardio respiratory training such as sprints and running drills. For a student to enroll in this course, they need to consider their sport for the following season. If enrolling for the fall course, the participants in the winter and spring sports are considered. When enrolling for the spring course, the participants in the fall sports are the students that are considered. Emphasis is also placed on specialized weight training programs, injury rehabilitation and prevention, and health and nutrition as it relates to a healthy athlete.

## **Team Sports**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Personal Fitness or Body Conditioning or Body Toning

In this course, the student will apply the skills necessary to participate in game-like situations that allow for an emphasis on teamwork and sportsmanship. The course is designed for students interested in team competition and activities related to the conditioning of the various sports. The student will be assessed in a variety of ways that might include physical or written tests, knowledge of rules and officiating procedures, performance based assessments and active participation in daily activities. Team Sports is a class where students apply skills and strategies to game situations such as basketball, football, soccer, team handball, volleyball and a variety of others. The student will learn how each sport can benefit their cardio-respiratory fitness level as well as strength and conditioning goals.



# Science Courses

Science Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Physics	9	1 year	None	N	
Chemistry	10	1 year	Physics; Algebra 1	N	
Biology	11	1 year	Chemistry	N	
Anatomy and Physiology	11, 12	1 year	None	N	
Astronomy	11, 12	1 semester	None (LHS Only)	N	
Forensic Science	11, 12	1 semester	None	N	
AP Biology	11, 12	1 year	See Course Description	N	
AP Chemistry	11, 12	1 year	See Course Description	M, N	
AP Environmental Science	10, 11, 12	1 year	See Course Description	N	
AP Physics 1	10, 11, 12	1 year	See Course Description	M, N	
AP Physics C	11, 12	1 year	See Course Description	M, N	

*If a student is uncertain of course choices (including AP/Honors courses) they should discuss their options with their current teacher and their counselor.*

M – satisfies Senior year Math-related credit; N – NCAA approved course

Science Course Sequence			
Grade	Required Courses	Elective Courses	
	Course Sequence	Elective Offerings	AP Offerings
9	Physics	---	---
10	Chemistry	---	AP Environmental Science, AP Physics 1
11	Biology or AP Biology	Anatomy and Physiology, Forensic Science, Astronomy	AP Chemistry, AP Environmental Science, AP Physics (1 or C)
12	---	Anatomy and Physiology, Forensic Science, Astronomy	AP Biology, AP Chemistry (M), AP Environmental Science, AP Physics (1 or C) (M)

# Science Courses

## **Physics**

**One Year/1 credit**

Required for Graduation • Grade 9 • Prerequisite: None

Physics is an introductory course designed to cover a range of topics including Energy, Motion & Forces, Waves, Electricity and Magnetism. This course will integrate both space and earth science concepts as they relate to the physics content. Scientific reasoning, use of evidence and engineering skills will be emphasized. This class meets the Michigan Science Standards and is a graduation requirement.

## **Chemistry**

**One Year/1 credit**

Required for Graduation • Grade 10 • Prerequisite: Physics; Algebra 1

Chemistry is a laboratory course. Students learn about matter and changes in the composition of matter. It includes the study of atoms, atomic theory, kinetic theory, nuclear chemistry, chemical bonding, solutions, reaction rates, equilibrium, etc. Laboratory work is an integral part of the course in which students develop a scientific approach to reasoning, use of evidence and engineering skills. A solid foundation in algebraic functions is absolutely essential. This class meets the Michigan Science Standards and is a graduation requirement.

## **Biology**

**One Year/1 credit**

Required for Graduation • Grade 11 • Prerequisite: Chemistry

The life sciences—and our understanding of them—are changing at a rapid pace and our students need to understand these changes in order to be healthy and responsible citizens. Through the scientific process and inquiry methods, our biology course provides opportunities for students to create an appreciation of the diversity of living things, how they are structured, and how various organisms live together in habitats. Studies of cells, genetics, and evolution will bring students to a logical appreciation of health and diseases, as well human impact and responsibility to care for the ecosystems of our world.

## **Anatomy and Physiology**

**One Year/1 credit**

Grades 11, 12 • Prerequisite: None

Human anatomy and physiology is the study of the structure and the functions of the human body. Through this study a student learns about the proper structures and functions of the human body and what happens when structures are damaged and or functions are disrupted. Anatomy investigates the body's structures. It covers a wide range of studies, including both the macroscopic and microscopic organization of these structures as well as their development. Physiology deals with the processes and functions of living organisms and their parts. It is important in physiology to recognize structures are dynamic rather than unchanging, making physiology dynamic rather than static. The major goals of physiology are understanding the body's functions, responses to stimuli, and how the body maintains conditions within a narrow range of values in the presence of a continually changing environment. It is difficult to study either of these disciplines alone without making references to the other. When studied together the relationships between structure and function of the body and its parts become clearer.

This course is highly recommended for those planning a career in the health sciences. It will give a head start in a field where the knowledge of structure and function is needed in order to perform their duties adequately. Knowledge of anatomy and physiology is also beneficial to the nonprofessional. It enhances the understanding of why your body functions the way it does. This background improves your ability to evaluate your physiological activities, gives you a better understanding of what is happening when you are hurt or ill, helps to understand recommended treatments, critically evaluate advertisements and reports in the popular literature, interact with health professionals, and understand how changes occur in the body over a person's life span.

# Science Courses

## **Astronomy (LHS Only)**

Grades 11, 12 • Prerequisite: None

**One Semester/.5 credit**

Astronomy is for students wishing to deepen their understanding of Earth's place in the universe. It will begin with a brief history of Astronomy followed by a survey of the methods and equipment that astronomers use. Students will attend nighttime viewing sessions while learning about constellations, the moon, the solar system and stars. The course will conclude with black holes, quasars and the search for ET.

## **Forensic Science**

Grades 11, 12 • Prerequisite: None

**One Semester/.5 credit**

Forensic science encourages student to utilize scientific skills and through processes in the context of analyzing evidence. This course includes principles and techniques from biology, chemistry, and physics, as well as case studies of notable crimes (sensitive subject material will be covered). Students will study types of evidence, fingerprints, impressions and anthropology in a highly engaging, inquiry-based environment.

## **Advanced Placement (AP) Biology**

Grades 11, 12 • Prerequisite 11th Grade: Chemistry; Completion of Course Application and/or Instructor Approval; Prerequisite 12th Grade: Chemistry; Biology; Completion of Course Application and/or Instructor Approval

**One Year/1 credit**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes--energy and communication, genetics, information transfer, ecology, and interactions. This course requires extensive laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. At the completion of the course students are expected to take the Advanced Placement examination for Biology administered by the College Board.

## **Advanced Placement (AP) Chemistry**

Grades 11, 12 • Prerequisite: Chemistry; Completion of Course Application and/or Instructor Approval

**One Year/1 credit**

The AP Chemistry course provides students with a foundation to support future advanced course work in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course provides extensive laboratory investigations. This includes a minimum of 16 hands-on labs, at least six of which are inquiry based. At the completion of the course students are expected to take the Advanced Placement examination for Chemistry administered by the College Board.

## **Advanced Placement (AP) Environmental Science**

Grades 10, 11, 12 • Prerequisite 10th Grade: Physics; Enrollment in Chemistry concurrently; Completion of Course Application and/or Instructor Approval; Prerequisite 11th or 12th Grade: Chemistry

**One Year/1 credit**

The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science, through which students engage with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. It is expected that students will perform as many labs/field investigations as possible. At the completion of the course students are expected to take the Advanced Placement examination for Environmental Science administered by the College Board.

# Science Courses

## **Advanced Placement (AP) Physics 1**

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: Completion or concurrent enrollment in Algebra 2; completion of Course Application and/or Instructor Approval

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics as they explore topics such as motion, forces, work, energy, momentum, power, rotation, and simple harmonic motion. This course requires extensive laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. The AP Physics 1 class may be blended with AP Physics C. At the completion of the course students are expected to take the Advanced Placement examination for Physics 1 administered by the College Board.

## **Advanced Placement (AP) Physics C**

**One Year/1 credit**

Grades 11, 12 • Prerequisite: Completion or concurrent enrollment in Pre-Calculus or Calculus; completion of Course Application and/or Instructor Approval

AP Physics C is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. Topics include kinematics; Newton's laws of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. Introductory differential and integral calculus is used throughout the course. AP Physics C involves extensive hands-on laboratory work, where students design experiments, make observations and predictions, analyze data, and construct arguments in a collaborative setting. The AP Physics C class may be blended with AP Physics 1. Students taking AP Physics C must be motivated to independently complete readings and/or watch videos that provide integration of calculus based concepts with the content presented in class. Their assignments and assessments will be based on AP Physics C content. At the completion of the course students are expected to take the Advanced Placement examination for Physics C administered by the College Board.



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# Skills for Living Courses

Skills for Living Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Health	9	1 semester	None		
Adult Living	11, 12	1 semester	Health		
Interior Design	9, 10, 11, 12	1 semester	None	V	

*If a student is uncertain of course choices (including AP courses) they should discuss their options with their current teacher and their counselor. Note: Child Development courses are now in the CFE section under Education General.*

V – satisfies Visual, Performing & Applied Arts credit

## Health

**One Semester/.5 credit**

**Required for Graduation** • Grade 9 • Prerequisite: None

The purpose of this course is to increase the students' knowledge of mental, emotional, physical and social health and well-being in order to make better life decisions. This course presents the facts about drugs, alcohol, smoking, healthy relationships, reproductive health and sexually transmitted infection, nutrition, dieting, physical fitness, diseases, stress, teenage suicide and first aid. During this course, students participate in open discussions, classroom presentations, and individual work. Many times, movies, speakers and current research are used so students can receive the most up-to-date information. This course is required.

## Adult Living (MHS Only)

**One Semester/.5 credit**

Grades 11, 12 • Prerequisite: Health

This class is designed to help students better understand the responsibilities that accompany satisfying adult roles and living patterns. Roles of families as well as family life styles will be investigated. We will explore "love", mate selection and responsible dating. Engagements, weddings, financial management, and marital adjustments are also explored. Learning to cope with and find helpful resources for family crises is also discussed.

## Interior Design

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

Interior Design is developed to allow students to study all facets of Interior Design of homes in this course. Subject areas will include human needs and home design, basic art elements and principles as they apply to interior design and housing/furniture styles. Additionally, students will learn to do floor plans, select home furnishings, accessories, wall and window treatments for each room of the home. Career opportunities that relate to the field of interior design will also be explored.



# Social Studies Courses

Social Studies Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
World History and Geography	9	1 year	None	N	
AP Human Geography	9	1 year	Course Application	N	
EL Sheltered World History	9, 10	1 year	Referral	N	
US History and Geography	10	1 year	None	N	
AP US History	10	1 year	Course Application and/or Instructor Approval	N	
EL Sheltered US History	9, 10	1 year	Referral	N	
Economics	11, 12	1 semester	None	N	
AP Economics	11, 12	1 year	Course Application and/or Instructor Approval	M,N	
Senior Government	12	1 semester	None	N	
AP US Government & Politics	11, 12	1 year	Course Application and/or Instructor Approval	N	
Current Global Issues	11, 12	1 semester	None	N	
Practical Law	11, 12	1 semester	None	N	
Psychology	10, 11, 12	1 semester	None	N	
AP Psychology	10, 11, 12	1 year	Course Application and/or Instructor Approval	N	
Sociology	10, 11, 12	1 semester	None	N	

*If a student is uncertain of course choices (including AP courses) they should discuss their options with their current teacher and their counselor.*

M – satisfies Senior year Math-related credit; N – NCAA approved course



# Social Studies Courses

Social Studies Course Sequence			
Grade	Required Courses	Elective Courses	
	Course Sequence	Elective Offerings	AP Offerings
9	World History & Geography or AP Human Geography or EL Sheltered World History	---	---
10	US History & Geography or AP US History or EL Sheltered US History	Psychology Sociology	AP Psychology
11	Economics or AP Economics	Current Global Issues Practical Law Psychology Sociology	AP Psychology
12	Senior Government or AP US Government & Politics	Current Global Issues Practical Law Psychology Sociology	AP Psychology

## World History and Geography

**One Year/1 credit**

Required for Graduation • Grade 9 • Prerequisite: None

This full year course introduces students to the study of world history in order to construct a common memory of where humankind has been and what accounts for present circumstances. Building upon foundations from middle school, the course begins with a period of expanding and intensified hemispheric interactions (circa 300 C.E.) and continues to the present. Within each historical era, students work at three interconnected spatial scales to study world history through several lenses: global, interregional, and regional. Through a global and comparative approach, students examine worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. Interregional and regional scales provide students the opportunity for deep investigation of examples of global trends. Emphasis is placed on skills that enable students to evaluate evidence, develop comparative and causal analyses, interpret the historical record, construct sound historical arguments, and recognize perspectives on which informed decisions in contemporary life can be based. In addition, this course enables students to focus on large historical and geographic patterns, as well as their causes and consequences. Students study human governance systems, patterns of interactions among societies and regions, and patterns of cultural, intellectual, religious, and social changes. They analyze the impact of demographic, technological, environmental, political, and economic changes on people, their culture, and their environment. The integration of historical thinking skills and historical understandings throughout this course equips students to analyze issues and problems confronting citizens today.

# Social Studies Courses

## **Advanced Placement (AP) Human Geography**

**One Year/1 credit**

Grade 9 • Prerequisite: Course Application

The AP Human Geography course, offered in lieu of World History & Geography during the ninth grade year, is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). Students should expect a large amount of reading, writing, and homework throughout the course. At the completion of the course students are expected to take the Advanced Placement examination for Human Geography administered by the College Board.

## **EL Sheltered World History and Geography**

**One Year/1 credit**

Grades 9, 10 • Prerequisite: Referral

This is a sheltered course for English Language Learners and fulfills the graduation requirements and course content for World History & Geography (see full course description above) with support and strategies to aid in language acquisition.

## **US History and Geography**

**One Year/1 credit**

**Required for Graduation** • Grade 10 • Prerequisite: None

The study of United States history prepares students to take up the challenges of life in contemporary society. This full year course introduces students to the history of the United States with a focus on the post-Civil War Industrial Age to the present day. Beginning with a review of prior political, intellectual, and demographic transformations that shaped the nation, students learn about major political, philosophical, and historical underpinnings of our government. Throughout the course, students analyze how ideas of freedom and equality have shaped our collective past and explore implications for the future. Adopting a chronological approach, students analyze their causes and effects of events in the nation's past. They use primary and secondary sources to explore time and place in the twentieth century. Within their historical study of twentieth century America, students deepen their understanding of major geographical themes, economic principles, and significant concepts in United States government. Throughout the course students learn to develop important questions, conduct inquiry, and evaluate evidence. They also read a variety of historical arguments and develop skills in writing evidentiary-based arguments and historical narratives. By helping identify common and diverse strands that formed and continue to shape life in America, students develop the habits of mind essential for democratic citizenship.

## **Advanced Placement (AP) US History**

**One Year/1 credit**

**Could be taken in place of US History** • Grade 10 • Prerequisite: Course Application and/or Instructor Approval

AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Eight themes of equal importance — American and National Identity; Work, Exchange and Technology; Geography and the Environment; Migration and Settlement; Politics and Power; America in the World; American and Regional Culture; Social Structures — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time, the causation of events and actions, and making comparisons among various historical developments in different times and places. At the completion of the course students are expected to take the Advanced Placement examination for US History administered by the College Board.

# Social Studies Courses

## **EL Sheltered US History and Geography**

Grades 9, 10 • Prerequisite: Referral

**One Year/1 credit**

This is a sheltered course for English Language Learners and fulfills the graduation requirements and course content for US History & Geography (see full course description above) with support and strategies to aid in language acquisition.

## **Economics**

**Required for Graduation** • Grades 11, 12 • Prerequisite: None

**One Semester/.5 credit**

This one-semester required course builds economic literacy in students. The overarching problem of scarcity, unlimited human wants pursuing limited resources, is a focal point of the course. Students deepen their prior knowledge of basic economic concepts and apply them to national and international economic systems and problems as a whole. In addition to their study of macroeconomics, students study how interactions of buyers and sellers impact prices and supplies, as well as the role of trade-offs and incentives in consumer and business decisions. Using a variety of media, they compile, analyze, and present statistical data pertinent to economic problems. Students use their economic knowledge to make informed decisions as consumers and to participate as citizens in deciding matters of economic policy.

## **Advanced Placement (AP) Economics**

Grades 11, 12 • Prerequisite: Course Application and/or Instructor Approval

**One Year/1 credit**

**Microeconomics:** AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Prerequisite: 3.0 average in Social Studies courses, instructor approval, completion of course application.

**Macroeconomics:** AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. At the completion of the course students are expected to take the Advanced Placement examination for both Microeconomics and Macroeconomics administered by the College Board.



# Social Studies Courses

## **Senior Government**

**One Semester/.5 credit**

Required for Graduation • Grade 12 • Prerequisite: None

This one-semester course deepens students' knowledge of government, with a particular focus on national, state, and local government in America. Through discussion and writing, they practice making reasoned decisions about matters of public policy. Five questions guide students' study: What are civic life, politics, and government?; What are the origins and foundations of the American political system?; How does the government established by the Constitution function to embody the purposes, values, and principles of American constitutional democracy?; What is the relationship of the United States to other nations and its role in world affairs?; and, What are the roles of citizens in American society? Students engage in investigations, analysis, and arguments about civic life in the United States and the role of the United States in the world. In making reasoned and evidentiary-based interpretations, arguments, or decisions, they frame important questions, locate and analyze appropriate evidence and data, consider differing points of view, and apply concepts and principles of American constitutional democracy. Through participating in democratic deliberations around public policy issues, students strengthen their understanding of the legal rights and accompanying responsibilities shared by all citizens. Successful completion of this course is required for graduation.

## **Advanced Placement (AP) US Government & Politics**

**One Year/1 credit**

Grades 11, 12 • Prerequisite: Course Application and/or Instructor Approval

AP Government introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. At the completion of the course students are expected to take the Advanced Placement examination for Government administered by the College Board.

## **Current Global Issues**

**One Semester/.5 credit**

Grades 11, 12 • Prerequisite: None

In this one-semester course, students confront, study, and attempt to resolve current global issues. A global issue is a problem of worldwide significance whose best solution is open to disagreement. Surveying media accounts, students regularly identify global issues reported in the news. Each unit focuses students on a different topic. Within a unit, they study global issues pertaining to that topic drawn from various regions of the world. Using active methods of inquiry, students explore the historical, economic, political, and cultural implications of each issue and report their findings. They discuss these issues and express their thinking about them in writing. As a result of this course, students develop appreciation for global interdependence, a respect for differing viewpoints, and recognition of the need to be an informed and involved member of our global community.

## **Practical Law**

**One Semester/.5 credit**

Grades 11, 12 • Prerequisite: None

In this one-semester course, students study federal and state law in the United States and explore how law affects citizens in their daily lives. They learn about the origins of the legal system in the United States as they study the Constitution. They focus more specifically on the Bill of Rights, the judicial system, individual liberties, and personal and civic responsibilities under the law. Through discussion, mock trials, debates, and analysis of case law, students examine how the basic principles of the Constitution continue to guide justice in America and how citizens live by the rule of law.

# Social Studies Courses

## **Psychology**

Grades 10, 11, 12 • Prerequisite: None

**One Semester/.5 credit**

Psychology is a one-semester course during which students engage in the study of human behavior and construct an understanding of key concepts from the discipline of psychology. They also examine various psychological theories and compare several theories of personality. Students study the learning process, memory, motivation, and perception as well as other psychological concepts. During their study, they collect, interpret, and analyze psychological data. Students discuss issues in psychology and compose essays based on research using a variety of sources. They participate in a project that requires them to apply their knowledge of psychology beyond the classroom.

## **Advanced Placement (AP) Psychology**

Grades 10, 11, 12 • Prerequisite: Course Application and/or Instructor Approval

**One Year/1 credit**

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. At the completion of the course students are expected to take the Advanced Placement examination for Psychology administered by the College Board.

## **Sociology**

Grades 10, 11, 12 • Prerequisite: None

**One Semester/.5 credit**

This one-semester course is designed to introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. Major themes include the interplay between the individual and society, how society is both stable and changing, the causes and consequences of social inequality, and the social construction of human life. Understanding sociology helps discover and explain social patterns and see how such patterns change over time and in different settings. By making vivid the social basis of everyday life, sociology also develops critical thinking by revealing the social structures and processes that shape diverse forms of human life.

# Special Education Courses

In order to receive special education services at Huron Valley Schools, students must meet strict State of Michigan guidelines and must be certified in at least one of the following areas:

- Speech and Language Impaired
- Learning Disabled
- Emotionally Impaired
- Hearing Impaired
- Visually Impaired
- Autism Spectrum Disorder
- Otherwise Health Impaired
- Cognitive Impairment
- Other specific disabilities outlined in the state guidelines

Huron Valley Schools' Special Services department includes a variety of services designed to meet the unique needs of students. The department staff includes certified special education teachers, a teacher consultant, a psychologist, a social worker, a speech and language pathologist, and other ancillary staff. Our staff works together to provide a variety of supports and services. We offer a full continuum of support to assist each student in working toward meeting his/her goals and objectives. Status updates on goals and objectives are provided throughout the year.

Specific classes taught within Student Support Services vary from year to year depending upon the needs of our students. Most of these classes parallel the academic curriculum offered in general education and follow the Michigan Merit Curriculum. In some cases, a student's specialized services will lead to a Certificate of Completion. The needs of students are met through the use of specialized instruction, accommodations, goals, ancillary services and transition support. Support is determined through the IEP process.



# Visual Art Courses

Visual Art Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
Fundamentals of Art & Design (\$)	9, 10, 11, 12	Semester	None	V	Both
Drawing & Painting (\$)	9, 10, 11, 12	Semester	Design or Approval	V	Both
Advanced Drawing & Painting (\$)	9, 10, 11, 12	Semester	Drawing & Painting	V	Both
Pottery (\$)	9, 10, 11, 12	Semester	Design or Approval	V	Both
Advanced Pottery (\$)	9, 10, 11, 12	Semester	Pottery	V	Both
Creative Metals (\$)	9, 10, 11, 12	Semester	Design or Approval	V	LHS Only
Advanced Creative Metals (\$)	9, 10, 11, 12	Semester	Creative Metals	V	LHS Only
Digital Photography (\$)	9, 10, 11, 12	Semester	Design or Approval	V	Both
Advanced Digital Photography (\$)	9, 10, 11, 12	Semester	Digital Photography; Instructor Approval	V	Both

*If a student is uncertain of course choices (including AP courses) they should discuss their options with their current teacher and their counselor.*

V – satisfies Visual, Performing & Applied Arts credit \$ – course fee

## **Fundamentals of Art & Design (Level 1)**

**One Semester/.5 credit**

**Please note there is a fee for this course** • Grades 9, 10, 11, 12 • Prerequisite: None

Fundamentals of Art and Design (Design) is intended to provide a foundation for advanced courses and satisfy the .5 Visual Performing Applied Arts credit required for graduation. This art elective is one semester and open to all students. It is designed to provide a beginning experience in the visual arts, primarily, but not exclusively, two-dimensional. This course will explore a variety of mediums including graphite, charcoal, pen/ink, pastel, tempera, watercolor, acrylic, and clay. Students will also explore a variety of artists, art processes and materials such as drawing, painting, printmaking, 2D and 3D design. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition, utilizing essential vocabulary and exploring art history from various perspectives. Current trends including art in science and technology along with art in the potential "job market" will be examined. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process is a more important requirement than the student's talent or previous experience. A lab fee is required.



# Visual Art Courses

## **Drawing & Painting (Level 1)**

**One Semester/.5 credit**

Please note there is a fee for this course • Grades 9, 10, 11, 12 • Prerequisite: Design or Instructor Approval

Students will advance their ability and understanding of 2-D art using different drawing and painting mediums and processes. This course will further explore the Elements of Art and Principles of Design by completing a variety of drawing and painting projects. Students will develop a strong sense of design through decision-making and problem-solving projects that may include media such as, graphite, oil pastel, colored pencil, chalk pastel, and charcoal. This course will also be devoted to developing painting skills and techniques using acrylic and watercolor paints. Students will explore the style of many artists throughout history, while strengthening their own skills. The subjects considered and studied are, landscapes, still-life, people/animals and abstraction. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process and higher level learning is a requirement. Students must be a dedicated art student with a genuine interest in learning about art principles and media techniques in drawing and painting. A lab fee is required.

## **Advanced Drawing & Painting (Level 2-4)**

**One Semester/.5 credit**

Please note there is a fee for this course • Grades 9, 10, 11, 12 • Prerequisite: Drawing & Painting

Students will advance their ability and understanding of 2-D art using different drawing and painting mediums and processes. This course will further explore the Elements of Art and Principles of Design by completing a variety of drawing and painting projects at an advanced level. Emphasis will be placed on students self-direction and independent work based on their level. Students will develop a strong sense of design through decision-making and problem-solving projects that may include media such as, graphite, oil pastel, colored pencil, chalk pastel, and charcoal. This course will also be devoted to developing painting skills and techniques using acrylic and watercolor paints. Students will explore the style of many artists throughout history, while strengthening their own skills. The subjects considered and studied are, landscapes, still-life, people/animals and abstraction. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process and higher level learning is a requirement. Students must be a dedicated art student with a genuine interest in learning about advanced art principles and media techniques in drawing and painting. A lab fee is required.

## **Pottery (Level 1)**

**One Semester/.5 credit**

Please note there is a fee for this course • Grades 9, 10, 11, 12 • Prerequisite: Design or Instructor Approval

This is an introductory studio class for students who wish to explore the art of ceramics. Student will be introduced to traditional and historical ceramic arts, as well as, functional and nonfunctional. Emphasis will be placed on understanding the metamorphosis of clay from plastic to fired, respect of tools, supplies and facilities, and the methods and techniques of glazing. Students will learn basic hand building techniques: pinch, coil and slabs through a variety of projects. Functional and sculptural applications will be explored. An introduction to wheel throwing and basic wheel forms will be achieved. Studio maintenance such as making clay, firing kilns and maintaining glazes will be explored. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process and higher level learning is a requirement. Students must be a dedicated art student with a genuine interest in learning about the art of ceramics. A lab fee is required.

# Visual Art Courses

## **Advanced Pottery (Level 2-4)**

**One Semester/.5 credit**

Please note there is a fee for this course • Grades 9, 10, 11, 12 • Prerequisite: Pottery

This is studio class for students who wish to continue to explore the art of ceramics. Student will combine traditional and historical ceramic arts, as well as, functional and nonfunctional ideas in their own works. Emphasis will be placed on problem solving and experimentation of clay and glaze techniques. As a result assignments will provide opportunity for making unlimited personal and creative artistic decisions. Functional and sculptural applications will continue to be explored and used in student work. Students will demonstrate mastery of proper wheel throwing and finishing techniques. Assignments will emphasize mastery of skills learned in level one with a new focus on craftsmanship. Studio maintenance such as making clay, firing kilns and maintaining glazes will continue with added responsibilities. Students will learn how to exhibit, present, and publish quality works of art. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process and higher level learning is a requirement. Students must be a dedicated art student with a genuine interest in learning about the advanced art of ceramics. A lab fee is required.

## **Creative Metals (LHS Only)**

**One Semester/.5 credit**

Please note there is a fee for this course • Grades 9, 10, 11, 12 • Prerequisite: Design or Instructor Approval

Creative Metals is a one semester class in which basic jewelry and metalsmithing techniques are introduced. The emphasis is on designing and creating original art in metal. Students learn the fundamentals of lost wax casting and a variety of metal fabrication skills by hand and machine utilizing both cold and hot forms of connection (riveting, wire wrapping, soldering, etc.). This course incorporates art history, aesthetics, production, analysis, and career connections in the study of metal art. Students assess and exhibit finished work.

## **Advanced Creative Metals (LHS Only)**

**One Semester/.5 credit**

Please note there is a fee for this course • Grades 9, 10, 11, 12 • Prerequisite: None

Advanced Creative Metals is a semester elective course and may be repeated several times with teacher approval and becomes progressively more challenging and individualized at each successive level. Students employ jewelry and metalsmithing skills and techniques to complex designs. They incorporate gemstones into finished three-dimensional pieces using various stone setting techniques employed by commercial and fine art jewelers throughout history. In addition, students will have the opportunity to work with resin, acid etching, glass fusion, and advanced lost wax techniques. Students apply knowledge of aesthetic considerations when choosing metals and gemstones for their work. They distinguish and interpret how designers have integrated and use metalworking processes in their work.



# Visual Art Courses

## **Digital Photography (Level 1)**

**One Semester/.5 credit**

**Please note there is a fee for this course** • Grades 9, 10, 11, 12 • Prerequisite: Fundamentals of Art & Design or Instructor Approval

In this course we will explore digital photography in relation to fine art and focus on the basic operations and functions of digital single lens reflex camera. Students will learn about photographic elements of art and principles of design, composition, and lighting. They will explore the history of photography, learning about its scientific and technological developments, important innovators in the field, and relevance within diverse cultural contexts. Students will write and speak about aesthetic, technical and expressive qualities in a photograph, learning to critique their own and other's work. Students will be introduced to the photographic vocabulary, using tools such as framing, composition, "rule of thirds", light, texture, pattern, lines, symmetry, depth of field, distance, perspective, culture, space, balance, color and black and white photography. Students will be expected to demonstrate an ability to use the tools competently in the production of their artwork, however, the production and analysis of expressive and thoughtful artwork is the main objective of this course. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process and higher level learning is a requirement. Students must be a dedicated art student with a genuine interest in learning about digital photography. A lab fee is required. Required Equipment: Digital Camera, SD card and reader. Note: A personal laptop is helpful. A DSLR camera will be required for advanced level course.

## **Advanced Digital Photography (Level 2-4)**

**One Semester/.5 credit**

**Please note there is a fee for this course** • Grades 9, 10, 11, 12 • Prerequisite: Digital Photography; Instructor Approval

In this course we will explore digital photography in relation to fine art and focus on advanced operations and functions of digital single lens reflex camera. Students will learn about photographic elements of art and principles of design, composition through advanced level assignments. Students will learn image techniques and digital manipulation using GIMP, or Adobe Photoshop and Light room, teaching them how to archive, organize and optimize their photographs for print or web purposes. Students will learn how to manage and creatively alter digital images as well as critically analyze the use of visual media as a means of communication for their art work. They will be provided a greater level of autonomy, expected to pursue their own interests and develop an individual voice. Students will explore the significance of photography within the larger context of the art world, and learn about the critical and varied application it has to the modern working world. Students will write and speak about aesthetic, technical and expressive qualities in a photograph critiquing their own and other's work. Students will further develop their skills in relationship to the photographic vocabulary, using tools such as framing, composition, "rule of thirds", light, texture, pattern, lines, symmetry, depth of field, distance, perspective, culture, space, balance, and digital imaging. Students will be expected to demonstrate an ability to use the tools competently in the production of their art work. Students will learn how to exhibit, present, and publish quality works of art. Willingness to get involved in the creative process and higher level learning is a requirement. Students must be a dedicated art student with a genuine interest in learning about digital photography. A lab fee is required. Required Equipment: DSLR Digital Camera, SD card and reader. Note: A personal laptop with GIMP, Adobe Photoshop and/or Light room is helpful.

# World Language Courses

World Language Courses - American Sign Language					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
American Sign Language 1	9, 10, 11, 12	1 year	None	N	MHS Only
American Sign Language 2	10, 11, 12	1 year	American Sign Language 1	N	MHS Only
World Language Courses - German					
German 1	9, 10, 11, 12	1 year	None	N	Both
German 2	9, 10, 11, 12	1 year	German 1	N	Both
German 3	11, 12	1 year	German 2 or Instructor Approval	N	Both
German 4	11, 12	1 year	German 3	N	Both
World Language Courses - Spanish					
Spanish 1	9, 10, 11, 12	1 year	None	N	Both
Spanish 2	9, 10, 11, 12	1 year	Spanish 1	N	Both
Spanish 3	10, 11, 12	1 year	Spanish 2	N	Both
Spanish 4	11, 12	1 year	Spanish 3	N	Both
Spanish 5	12	1 year	Spanish 4	N	Both

*If a student is uncertain of course choices (including AP courses) they should discuss their options with their current teacher and their counselor.*

N – NCAA approved course

## American Sign Language

### American Sign Language (MHS Only)

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

The ASL 1 high school curriculum is designed to teach basic American Sign Language and deaf culture. Areas of study will include: vocabulary development, grammatical features, cultural awareness, conversational fluency and technology used in the deaf community. Appropriate grammar, spatial and gestural features will be taught to support the language. Students will use ASL to engage in conversations and provide information, express feelings and emotions and exchange opinions. Students will present information, concepts and ideas to an audience of viewer and on video on a variety of topics in ASL.

### American Sign Language 2 (MHS Only)

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: American Sign Language 1

The ASL high school curriculum builds on current student knowledge of ASL and deaf culture. Emphasis is placed on developing meaningful communication in ASL in a variety of contexts and expanding students' understanding of grammatical structures. Students will be expected to communicate in the target language and be expected to voice signed conversations.

# World Language Courses

## German

### German 1

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

The German 1 high school curriculum introduces students to the German language and culture. Emphasis is placed on developing meaningful authentic communication in German in a variety of contexts. Topics include family, school and community. Students will learn appropriate grammar and vocabulary to support this communication. They will broaden their cultural knowledge of the world where German is spoken. Classroom learning activities include listening, speaking, reading and writing in German. Students must actively participate in class and are expected to speak and present in German throughout the year.

### German 2

**One Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: German 1

The German 2 high school curriculum builds on current student knowledge of German language and culture. Emphasis is placed on developing meaningful, authentic communication in German in a variety of contexts. An expansion on familiar topics includes but is not limited to the student's self and place in the world, as well as travel and hosting an exchange student. Classroom learning activities include listening, speaking, reading and writing in German. Students must actively participate in class, speaking and presenting in German throughout the year. Students will increase their awareness of the German language and culture.

### German 3

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: German 2 or Instructor Approval

The German 3/4 (A and B years) high school curriculum expands students' proficiency in the German language and appreciation of the German arts and humanities. Emphasis is placed on developing meaningful authentic communication in German in a variety of contexts. To develop language proficiency, students communicate verbally and in writing through topics highlighting their lives in the present, past, and future. By engaging in meaningful communication about current events/issues, students deepen their understanding of their role as a citizen in a global society. Both A and B years will cover appropriate grammar structures for year 3 or 4 students. Different themes and vocabulary will be used to introduce the units and ensure a fresh and focused learning experience for all students. German 3/4 will rotate yearly between A and B curricula with school years ending in ODD numbers designated as A years (i.e. 2018-19 is an A year, 2019-20 is a B year).

### German 4

**One Year/1 credit**

Grades 10, 11, 12 • Prerequisite: German 3

The German 3/4 (A and B years) high school curriculum expands students' proficiency in the German language and appreciation of the German arts and humanities. Emphasis is placed on developing meaningful authentic communication in German in a variety of contexts. To develop language proficiency, students communicate verbally and in writing through topics highlighting their lives in the present, past, and future. By engaging in meaningful communication about current events/issues, students deepen their understanding of their role as a citizen in a global society. Both A and B years will cover appropriate grammar structures for year 3 or 4 students. Different themes and vocabulary will be used to introduce the units and ensure a fresh and focused learning experience for all students. German 3/4 will rotate yearly between A and B curricula with school years ending in ODD numbers designated as A years (i.e. 2018-19 is an A year, 2019-20 is a B year).

# World Language Courses

## Spanish

### **Spanish 1**

Grades 9, 10, 11, 12 • Prerequisite: None

**One Year/1 credit**

The Spanish 1 high school curriculum introduces students to the Spanish language and culture. Emphasis is placed on developing meaningful authentic communication in Spanish in a variety of contexts. To develop language proficiency students communicate verbally and in writing through familiar topics focusing on themselves and the world in which they live which includes family, school and community. By engaging in meaningful communication students become familiar with Spanish life and culture and gain a better understanding of their role as a citizen in a global society. Students broaden their cultural knowledge by exploring the regions of the world where Spanish is spoken. Through new information and insights into cultures, customs and traditions of the Spanish-speaking world, students begin to demonstrate respect for other cultures and begin to recognize differences and similarities between their own culture and other cultures. Throughout the year, students continue learning how to communicate effectively in Spanish and demonstrate awareness of Spanish language and culture.

### **Spanish 2**

Grades 9, 10, 11, 12 • Prerequisite: Spanish 1

**One Year/1 credit**

The Spanish 2 high school curriculum builds on current student knowledge of Spanish language and culture. Emphasis is placed on developing meaningful, authentic communication in Spanish and a variety of contexts and expanding student's understanding of grammatical structures in the present and past tenses. These include, but are not limited to shopping, vacations, volunteerism, school routines, daily preparation, and childhood. Students will be expected to speak and present in the target language throughout the year.

### **Spanish 3**

Grades 10, 11, 12 • Prerequisite: Spanish 2

**One Year/1 credit**

The Spanish 3 high school curriculum expands students' proficiency in Spanish language, appreciation of the arts and humanities within the Spanish-speaking world/cultures. Emphasis is placed on developing meaningful authentic communication in Spanish in a variety of contexts. To develop language proficiency, students communicate verbally and in writing through topics highlighting their lives present, past and future. By engaging in meaningful communication about current events/issues, students deepen their understanding of their role as a citizen in a global society.

### **Spanish 4**

Grades 11, 12 • Prerequisite: Spanish 3

**One Year/1 credit**

During Spanish 4 and 5 (A and B years), students work to advance to intermediate-high / advanced-low levels of Spanish usage (according to the Michigan World Language Standards). Students will be able to communicate their opinions, ideas, and solutions using advanced grammar and vocabulary around the themes of global challenges, contemporary life, and science & technology. The goal is for students to understand and be understood by native speakers. Native text and audio will be used; Spanish is language of the classroom. The course is organized into three thematic, ongoing units, to engage students authentically in language and cultural study. Throughout each unit, students will engage in the full range of communication skills: listening, speaking, reading, and writing.

# World Language Courses

## World Language Courses (continued)

### **Spanish 5**

Grade 12 • Prerequisite: Spanish 4

**One Year/1 credit**

During Spanish 4 and 5 (A and B years), students work to advance to intermediate-high / advanced-low levels of Spanish usage (according to the Michigan World Language Standards). Students will be able to communicate their opinions, ideas, and solutions using advanced grammar and vocabulary around the themes of global challenges, contemporary life, and science & technology. The goal is for students to understand and be understood by native speakers. Native text and audio will be used; Spanish is language of the classroom. The course is organized into three thematic, ongoing units, to engage students authentically in language and cultural study. Throughout each unit, students will engage in the full range of communication skills: listening, speaking, reading, and writing.



# Other Elective Courses

Other Elective Courses					
Course Title	Grade	Sem/Yr	Prerequisite	Cr	Campus
E-Learning Program	9, 10, 11, 12	Semester	None		MHS Only
EL (English Learner) Academic Skills	9, 10, 11, 12	Semester or Year	Referral		MHS Only
EL (English Learner) Foundations	9, 10, 11, 12	Year	Referral for Beginning Level English Speakers		Both
Student Leadership	10, 11, 12	Semester or Year	Course Application; Instructor Approval		Both
TIES (Teaching, Interacting, Encouraging Students)	9, 10, 11, 12	Semester	Course Application (MHS)	V	Both
Yearbook	10, 11, 12	Year	Course Application; Possible Interview	V	Both

V – satisfies Visual, Performing & Applied Arts credit

## **E-Learning Program**

**One Semester or 1 Year/.5 or 1 credit**

Grades 9, 10, 11, 12 • Prerequisite: None

E-Learning is a computer-based, online learning system using the online e2020 program that provides students with another medium for achieving academic credit. The program allows students to work in a lab setting with a lab instructor or at home at their own pace completing necessary required academic courses without sacrificing the rigor of a traditional classroom.

## **EL (English Learner) Academic Skills**

**One Semester or 1 Year/.5 or 1 credit**

Grades 9, 10, 11, 12 • Prerequisite: Referral

Students in this course will gain critical skills to support English language development and academic success. Areas of study will include a focus on academic language, organization, time management, study and test taking skills, and strategies for reading, writing, speaking and listening to English. Students will use their semester classes, lesson and activities to practice and apply these skills.

## **EL (English Learner) Foundations**

**1 Year/1 credit**

Grades 9, 10, 11, 12 • Prerequisite: Referral for Beginning Level English Speakers

In this yearlong course is designed for beginning level English speakers. Instruction will focus on the development and acceleration of basic communication skills and academic language needed for success in all content classes. Students will learn in a language rich environment where they will engage in listening, speaking, reading, and writing activities in English.



# Other Elective Courses

## **Student Leadership**

**One Semester or 1 Year/.5 or 1 credit**

Grades 10, 11, 12 • Prerequisite: Course Application; Instructor Approval

Leadership class is open to students interested in develop leadership skills through school situations and settings. Students will develop skills related to goal setting, self-esteem, communication, effective meetings, time management, organization, decision-making, problem solving, and event planning. Students interested in this course will take an active role in planning and executing the many extra-curricular activities of the school. Class members will be required to attend meetings, participate/organize after-school activities, and complete regular projects to apply developing skills. Students may be required to spend time outside of class time working and running school activities.

## **TIES (Teaching, Interacting, Encouraging Students)**

**One Semester/.5 credit**

Grades 9, 10, 11, 12 • Prerequisite: Course Application (MHS)

The T.I.E.S. class offers students the opportunity to help others find social and academic success. Each T.I.E.S. student is paired with a student who needs a social role model and extra assistance in the school setting. Responsibilities include helping the student organize work, keeping track of assignments and problem solving academic and social situations. T.I.E.S. students are required to maintain an objective weekly journal, maintain their weekly attendance, and attend mandatory training sessions and other meetings during school hours. Excellent attendance and strong communication skills are necessary for students who participate in the T.I.E.S. class. Students who fulfill requirements will earn .5 elective credits per semester. This class can be taken more than one semester!

## **Yearbook**

**One Semester/.5 credit**

Grades 10, 11, 12 • Prerequisite: Course Application; Possible Interview

Students will plan, produce, and distribute the school yearbook. Working individually and as a group, student will perform various journalistic duties associated with the function of this small business, including write copy, design and layout sections, take and crop pictures, proofread and edit. Students will follow schedules and meet deadlines. Students may elect this course more than once.





## Lakeland High School

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248.676.8320

*Connect. Empower. Achieve.*



## Milford High School

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*Educate. Inspire. Prepare.  
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