Grand Haven High School

Course Curriculum Guide

2026-2027

17001 Ferris, Grand Haven, MI 49417

www.ghaps.org/ghhs

Main Office	616.850.6000
Student Services	616.850.6020
Attendance	616.850.6050
Athletic Office	616.850.6030

Grand Haven Area Public Schools do not discriminate on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, handicap, disability, or limited English proficiency in any of its programs or activities. The following office is designated to handle inquiries regarding the nondiscrimination policies:

Assistant Superintendent of Human Services

Grand Haven Area Public Schools, 1415 Beechtree Street, Grand Haven, MI 49417 616.850.5085

Mission Statement

The Mission of the High School staff is to ensure that all students have equal opportunity to achieve success and learn at a high level. This will encompass the development of the whole person, preparation for post-secondary options in an ever-changing world, and learning how to learn, make decisions, and work with others. This will be achieved in an environment of high staff and student expectations, mutual respect and self-esteem, with the on-going involvement of educators, parents, students, and the community.

Do what's right! Do your best! WE before ME!

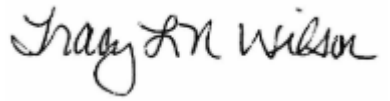
Dear Students,

Grand Haven High School course offerings, graduation requirements, college and post high school considerations, career pathways, course descriptions, and prerequisite information are all included in this guide. We hope you find this guide useful as it contains all of the information required for you to plan and select courses that will best complement your talents and interests. Please take the time to study this information prior to making your final course selections, and feel free to contact school staff to assist with developing a four-year plan that builds upon experiences, and promotes continuous progress towards your long-range goals, state requirements, and career pathways. ***It is important to understand that your class schedule is determined based on your original requests, as well as seat availability***. Changing classes in the fall is extremely difficult to do and there is no guarantee that it will even be possible. Our master schedule is developed based on your course selections; therefore, be sure to carefully select your courses and expect that a change is not going to happen!

We are extremely proud of our students, staff, and curriculum in this wonderful school, yet we choose not to remain satisfied; we continuously challenge our students and staff. We are committed to making every effort to help you select a program that will best meet your educational goals and objectives. I strongly encourage you to speak with your parents in order to select the best possible schedule for next year. Please take the time to read and research the outstanding variety of courses offered at GHHS. The decisions you make now will have long lasting implications for your future.

Good luck as you begin planning your courses for next year, and remember that if you have any questions or need help, feel free to contact a counselor or any other building staff member. We look forward to another fantastic year at Grand Haven High School!

Sincerely,



Tracy L.N. Wilson, Principal

HIGH SCHOOL ADMINISTRATION

Principal
Tracy L.N. Wilson

Last Name	Assistant Principals	Counselors
A-G	Keegan Ferris	Angie Prieditis
H-P	Gina Schmitt	Steve Evink
Q-Z	Michael Roberson	Kim Kowalski

Athletic Director	Assistant Athletic Director
Taylor Schriber	Aaron Dean

Registrar
Barbara Berko

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Philosophy and Objectives of GHHS

Team GH ... One Family, One Team, One Grand Haven

It is our expectation that ALL GHHS students, staff and parents will. . .
Always give their best ***EFFORT*** in everything they do;
Work hard to be ***INCLUSIVE*** of each other;
Show ***RESPONSIBILITY*** in the classroom, hallways, cafeteria and at events;
and ***WORK TOGETHER*** at all times!!

Be Kind ALWAYS!

Togetherness - Excellence - Accountability - Mindfulness - Grand Haven

Philosophy

Preamble: This is a reflection of present practice and future direction.

The school's responsibility is to ensure both the student and society that graduates are educated people. This means that graduating seniors should:

1. be able to read and write at least on a level which will allow them to function successfully as adults;

2. be able to make basic mathematical computations;

3. have a wide exposure to many fields of knowledge including natural science, social science, fine arts, language arts, and vocational arts;

4. be physically fit and exposed to activities that will encourage fitness throughout life;

5. be prepared to participate in the democratic process;

This high school should help prepare students to continue lifelong education, to cope with the social environment, to encourage personal growth, to meet career responsibilities, and to become concerned citizens.

Each student should be provided the challenge and the opportunity to realize his/her potential. To encourage this, our guidelines and standards recognize students as individuals. We further recognize student rights and responsibilities as stated in the student handbook. We endorse consistency in applying penalties for violation of the student code of conduct.

As a result of attending this high school, it is hoped that students will have experienced personal growth, and gained a sense of confidence, and security. Students should be prepared for, and have a sense of control over their lives by having a knowledge of the past, the present, and the future.

Objectives

The school philosophy reflects a basic attitude concerning what education should be and suggests a direction for individual teachers to formulate specific objectives. The following are general objectives which re-emphasize basic school goals.

Grand Haven High School will:

- Provide a wide range of classes to encourage a well-rounded education and an opportunity for students to meet their individual needs.
- Provide a variety of classes with academic challenges to prepare potential candidates for college.
- Provide a variety of vocational courses to develop employment skills.
- Promote the students' understanding of our democratic institutions and encourage participation in the democratic process.
- Encourage each student to feel free to express his/her own ideas while working with others.
- Provide guidance to help students utilize the services and opportunities offered by the high school.
- Provide an environment, which encourages and teaches self-discipline and responsible decision-making.

Academic Guidelines and Opportunities

All students must carry a minimum of six (6) classes each semester. Extenuating circumstances would need to be approved by the principal.

ADVANCED PLACEMENT - The Advanced Placement (AP) Program is a cooperative educational endeavor of secondary schools, colleges, and the College Board. High school students that take AP exams may earn college credit, appropriate placement, or both, for satisfactory performance on AP exams depending on which college or university the student will attend. AP courses are intended to be the equivalent of a college-level freshman course. **It is expected that students taking an AP course understand that these courses are far more demanding and rigorous than a regular high school course.** AP course grades will be weighted on a 5.0 GPA scale. AP courses taken through an Independent Study class will receive only a Credit (CR) or No Credit (NC), in accordance with the Independent Study guidelines below. ***Students who register for an AP class during course registration will NOT be able to drop these classes after the last day of the current school year and are expected to remain in the course for the entire year.***

If due to extenuating circumstances a student needs to drop an AP course after 1st semester, administrative approval will be required, and the student's 1st semester grade will be factored on a 4.0 scale.

Students who take AP classes are encouraged to take the AP Exam in May. Registration will occur in October.
****The AP Exam fee of $100 will be due at the time of registration in October.****

ASSESSMENTS - The State of Michigan requires that all high school juniors take the Michigan Merit Exam which includes MSTEP/SAT/WorkKeys assessments. Due to the requirement, **students MUST have taken all parts of the MME to be eligible for graduation from GHHS. The test will be given in the Spring within the testing window set by the State**. GHHS also administers the PSAT 9 and the PSAT 10 tests to all freshmen and sophomores. These tests are used to help prepare for the SAT.

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is offered to juniors and measures mathematical reasoning and verbal abilities. The purpose of this test is to compete for national scholarships from the National Merit Corporation.

The assessments used at Grand Haven High School include:
PSAT – 9th grade, 10th grade – Spring
PSAT/NMSQT (Pre SAT / National Merit Scholarship Qualifying Test) – optional 11th grade - October
SAT (Scholastic Achievement Test) with Essay – 11th grade - Spring
WIN – 11th grade - Spring
M-STEP (Michigan Student Test of Educational Progress) - 11th grade - Spring

CLASS RANK - Class Rank is determined at the end of each semester, using the student's cumulative GPA, beginning with the end of the first semester of Sophomore Year. The ranking is cumulative and includes all high school semester final grades for students at each grade level. Students transferring to GHHS with non-traditional transcripts (homeschool, international, etc.) will be ranked at the end of their third semester.

COLLEGE CONSIDERATIONS - All colleges do not have the same academic entrance requirements. **The responsibility for meeting these requirements rests with the student and parents.** Our guidance counselors are available to assist you in the college application process.

COURSE FEES – Some courses at GHHS have fees associated with them. Please take note of those fees when registering for classes. If for any reason a student desires to take a course, but due to a financial hardship is unable to pay the course fee, please check with the Main Office for course fee assistance.

CREDIT RECOVERY – When a student needs to retake a failed course, there are two options: 1) To sit in the GHHS course again and earn the letter grade on the student's transcript. If a student retakes a failed course at GHHS, then a No Grade (NG) will be placed on the transcript instead of the original F, and will not affect the student's GPA; 2) Take the same course through an on-line source, where only the credit will be earned, and a CR will be placed on the student's transcript. If a student retakes a failed course through an on-line source, the F will remain on the transcript and factor

into the student's GPA. Students who retake a course are required to complete the Course Grade Audit form in order to have the original grade earned replaced on their transcript.

DUAL ENROLLMENT – Dual Enrollment is an opportunity available to high school students. To be eligible in an area tested by the MME or a college readiness assessment (i.e., EXPLORE or PLAN), the student must achieve a qualifying score as defined by the Michigan Department of Education College and Career Readiness Benchmark scores. To be eligible in a non-tested area, the student must gain prior approval from the high school principal and be able to identify why this would be in the students best interest. Students must successfully exhaust the GHHS curriculum in the subject area they want to pursue in college courses. Interested students should schedule an appointment with their counselor to see if they qualify for this opportunity.

EARLY COLLEGE - In cooperation with Muskegon Community College and the Ottawa Area Intermediate School District, Grand Haven High School will begin the Early College of Northwest Ottawa County. This opportunity will begin in the fall of a student's junior year and there is an extensive application process. This is a five-year high school program, which allows for the earning of a High School Diploma in conjunction with up to 62 college credits. Interested students should schedule an appointment with their counselor to see if they qualify for this program, applications are due each year in early March.

EARLY GRADUATION – Early Graduation applications must be filled out with a counselor. Early Graduation applications are due by **the end of week 3 of the student's senior year.**

EDUCATIONAL DEVELOPMENT PLANS (EDP) – An EDP is a plan of action in which a learner records a career goal and an educational path to achieve it. This enables each learner to develop a unique, ongoing record of career planning based on thoughtfully selected and attainable career goals and educational options that provide guidance in taking effective steps to enter a career of choice. GHHS has adopted Michigan's six career pathways and has developed a plan for helping students explore, plan, and apply what they have learned toward a variety of career options. Counselors will work with all 9th-11th grade students each school year on their individualized EDP.

On-Line Electronic EDP - This Internet program is available to 7th through 12th grade students and their parents. The electronic EDP (4 year educational plan) allows the student to select courses for all four years of high school, submit assessment results, and complete an interest inventory. Based on interest, academics and activities, various career options will be suggested. This tool will be available on-line 24 hours a day. Throughout high school, students and parents are encouraged to periodically review all information. This site will be available on GHHS's website at www.ghhs.ghaps.org.

GRADING SCALE –

Letter Grade	Letter Grade Percentage	Regular Courses	Advanced Placement Courses
A	93-100	4.000	5.000
A-	90-92	3.667	4.667
B+	87-89	3.333	4.333
B	83-86	3.000	4.000
B-	80-82	2.667	3.667
C+	77-79	2.333	3.333
C	73-76	2.000	3.000
C-	70-72	1.667	2.667
D+	67-69	1.333	2.333
D	63-66	1.000	2.000
D-	60-62	0.667	1.667
F	0-59	0.000	0.000

Cumulative Grade Point Average is determined at the end of each semester using the student's final semester letter grades for all the classes. The Cumulative Grade Point Average (GPA) is calculated by dividing the total honor points earned by the total number of credits attempted. Grades not used in calculating GPA: CR = Credit earned with 0.000 GPA; WE = Withdraw Exit (from school); WP = Withdraw (from school) Passing; WF = Withdraw (from school) Failing.

HOME SCHOOLING - Grand Haven High School neither recommends nor keeps information on Home School Institutions. All Home School educated high school students transferring into GHHS must submit an official transcript from the home school. Only transcribed Home School courses submitted within **two weeks** of registration will be accepted. Additionally, students may need to take a competency exam in the Core Curricular areas in order to be properly placed into a class. Homeschool credits that do not come from an accredited program will only receive Credit (CR) on their transcript, the grade earned will not be used in the calculation of the student's GPA.

INDEPENDENT STUDY COURSES - Limited to one independent study per semester in an elective area. This option is available to juniors and seniors only. Deviations to this policy must have approval from the high school principal. Students taking an Independent Study will not be issued a letter grade, only a Credit (CR) or No Credit (NC) will be issued and placed on their transcript. Independent Study forms are available in Student Services, and must be completed prior to the start of a new semester.

INCOMPLETES – In cases where unusual circumstances prevent a student from completing all the work for a class by the end of the semester, the teacher may award an incomplete (I) grade at their discretion. This is a temporary grade that must be resolved within **two weeks** of the end of the marking period for which the "I" was given. It is the student's responsibility to make arrangements with the teacher to complete the work and resolve the grade. An "I" that is unresolved at the end of the **two week** time period may become an "F".

MIDDLE SCHOOL CREDITS – If a student earns high school credit in Math, Science, World Language, or Physical Education/Health before entering high school, the student shall be given high school credit for that course. The middle school grade earned will be placed on the transcript, but the grade earned will not be used in the calculation of the high school grade point average (GPA).

NCAA Eligibility – In order to practice and play as a freshman at an NCAA Division I or Division II university/college, the student-athlete must satisfy the requirements of the NCAA Bylaw 14.3. Student-athletes first entering a collegiate institution will have eligibility for practice and competition in the freshman year certified by the NCAA Initial-Eligibility Clearinghouse. It is the responsibility of the student to meet with their GHHS counselor to verify academic requirements for NCAA eligibility. Informational brochures are available in Student Services. See page 8 for NCAA approved courses and athletic eligibility suggested course path.

ONLINE CLASSES - As part of the 21f legislative opportunity, students may take up to two (2) online courses each semester with no tuition cost through Michigan's Online Course Catalog. Online classes taken as part of the school day require daily in person attendance. Students choosing an additional course, may select courses through Michigan's Online Course Catalog, Brigham Young University or other approved programs, and will incur a tuition fee. Any grades received from Michigan Virtual, Brigham Young University and/or other approved programs will be entered using the percentage given by the issuing organization and will be factored into the student's overall GPA, according to the grading scale used at GHHS. Students must make an appointment with their counselor to discuss these options. Deadline to apply is the **end of week 1 of the semester.**

PARENTVUE / STUDENTVUE - These online information portals allow parents and students to review student's grades, class assignments, and attendance through the Internet. From any computer with internet access, students or parents select the appropriate school, then enter the Username and Password to review class information. Specific instructions are available on the District website at www.ghaps.org. For help getting your account activated, call Student Services at 616.850-6020.

PASS-FAIL - With parent and teacher approval, students may choose to take one elective course on a pass-fail basis each semester. The student will have the choice by the **end of the second week of each semester** of either completing the course on a normal grade (A-F) basis or on pass-fail (P-F) basis. A passing grade would earn credit toward graduation and would not impact the student's grade point average. Please see your counselor if you have any questions and/or concerns regarding taking a class on a pass-fail basis.

SCHEDULE CHANGES – Are strongly discouraged and are very difficult to accommodate. Requests for changes must be submitted in writing on the Schedule Change Request Form available in the Student Services Center. ***All schedule change requests must be completed during the designated drop/add dates.***

SME PRIME® – (Partnership Response In Manufacturing Education) is designed to bring together organizations, businesses, and high schools in a community-based, partnered approach to advanced manufacturing/STEM education.

Shape Corp is proud to be supporting PRIME at Grand Haven High School. In each community, SME PRIME works with a team of educators, manufacturers, and civic leaders to develop a strategic framework reflecting their community's unique workforce knowledge and skills needed. SME PRIME deploys an entire network of partners to leverage the latest technology, industry vetted curricula as well as all the supporting resources for the school, instructors and students.

TRANSFER STUDENTS – If a student transfers to GHHS from another high school, the transcript from the other high school is evaluated in terms of credit and time in class. A calculation of earned credit is then made and noted on the transcript. To receive a GHHS diploma, transfer students must earn a minimum of 2.0 credits from GHHS, and complete ALL GHHS graduation requirements. **Transfer students will not be included in class ranking until they have completed one full semester of courses.**

TESTING OUT - Public Act 335, Section 1279B & Section 127B (a) (4) (c) of the State Code, requires that any high school student be offered a "test out" of any course offered by his/her high school. Grand Haven High School students opting to test out of a course will receive a 'CR' on their transcript if they receive a C+ (77%) or higher grade on the test out exam. Credit will be given towards graduation; this option allows students to advance in the curriculum and satisfy a graduation requirement. The test out exam grade is not factored into a student's grade point average. All applicants requesting a Test Out must submit a completed form to the main office by the posted deadline. If you have questions, contact Ms. Schmitt. This Test Out opportunity will occur in the Spring Semester exam period only.

Collegiate Athlete Resources

All students must register with the NCAA Eligibility Center: https://web3.ncaa.org/ecwr3/

NCAA Clearinghouse
Division I and Division II Academic Requirements

All college athletes must meet the NCAA Clearinghouse standards listed below. Any athlete who desires to compete at the college level should see their counselor early in their high school career to make certain their academic path meets these standards.

Core-Course Requirements

Division I Athletics	**Division II Athletics**
16 Core Courses Required:	16 Core Courses Required:
4 years English/Language Arts	3 years English/Language Arts
3 years Math (Algebra I or higher)	2 years Math (Algebra I or higher)
2 years Natural/Physical Science	2 years Natural/Physical Science
2 years Social Science	2 years Social Science
1 year of additional English, Math or Natural/Physical Science	3 years of additional English, Math or Natural/Physical Science
4 years of additional courses from any area above, Foreign Language or Comparative Religion/Philosophy	4 years of additional English, Math, Natural/Physical Science, Foreign Language, Comparative Religion or Philosophy

See next page for a list of GHHS approved NCAA Core Courses.
Students may also register with NAIA: http://www.naia.org/

NCAA Approved GHHS Courses

English

- AP English Language/Composition A & B
- AP English Literature/Composition A & B
- College English
- Contemporary Literature
- Creative Writing I & II
- English 9 A & B
- English 10 A & B
- Honors English 10 A & B
- English 11 A & B
- Folklore & Mythology
- Journalism I
- Public Speaking/Communications I

Social Studies

- AP African American Studies
- AP Comparative Government & Politics
- AP European History A & B
- AP Psychology A & B
- AP US Government A & B
- AP US History A & B
- AP World History A & B
- Current Affairs
- Economics
- Introduction to Psychology
- Law
- Philosophy
- Sociology
- Sports 20th Century
- US Government
- US History A & B
- World History A & B

Special Education

- RR ELA 9
- RR ELA 10
- RR ELA 11
- Resource Math Algebra I
- Resource Math Algebra II
- Resource Math Geometry
- MERIT Government

Science

- Anatomy & Physiology A & B
- AP Biology A & B
- AP Chemistry A & B
- AP Environmental Science A & B
- AP Physics C: Mechanics (Calculus Based) A & B
- Astronomy
- Biology A & B
- Earth Science A & B
- Geology
- Greenhouse Biology
- Honors Biology A & B
- Honors Chemistry A & B
- Honors Physics A & B
- Marine Biology
- Meteorology
- Physical Science - Chemistry
- Physical Science - Physics
- Wildlife Biology

Math

- Algebra I A & B
- Honors Algebra I A & B
- Algebra II A & B
- Honors Algebra II A & B
- AP Calculus AB A & B
- AP Calculus BC A & B
- AP Pre-Calculus A & B
- AP Statistics A & B
- Geometry A & B
- Statistics
- Trigonometry

Additional Core Courses

- German I A & B
- German II A & B
- German III A & B
- German IV A & B
- German V A & B
- AP German
- Spanish I A & B
- Spanish II A & B
- Spanish III A & B
- Spanish IV A & B
- AP Spanish

Grand Haven High School - A Career Pathways High School

Helping Grand Haven students map out successful careers

The Six Pathways are: 1 - Arts & Communication, 2 - Business Management & Technology, 3 - Health Sciences, 4 - Human Services, 5 - Manufacturing Technology & Engineering, 6 - Natural Resources & Agriscience.

Arts & Communications

Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Arts & Communications may be the career path for you!

Express yourself through careers related to humanities and the performing, visual, literary and media arts. Sample careers include artists, journalists and graphic designers. These careers are interesting to people who value creativity and seek opportunities to express themselves.

Business Management & Technology

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? This may be the career path for you!

Business related careers include accounting, business administration, finance, information processing, and marketing. Sample careers include accountants, business managers, and auto salespersons. These careers are interesting to people who are good at math, feel comfortable using computer programs, and enjoy being the leader of a group.

Health Sciences

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? Health Sciences may be the career path for you?

You can help others through careers related to the promotion of health as well as the treatment of injuries and disease. Sample careers include physicians, nursing, and veterinarians. These careers are interesting to people who like to know how the body works and care about the wellbeing of people and animals.

Human Services

Are you friendly, open, outgoing, 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 others? Human Services may be the career path for you!

Human Service careers are related to childcare, civil service, education, hospitality, and social services. Sample careers include counselors, teachers, law enforcement officers, & religious leaders. These careers are interesting to people who enjoy interacting with people and helping them solve their problems.

Manufacturing Technology & Engineering

Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? This may be the career path for you!

Manufacturing Technology & Engineering careers provide opportunities to design, develop, install or maintain physical systems. Sample careers include mechanics, airplane pilots, and engineers. These careers are interesting to people who enjoy working with tools, equipment, and other kinds of machinery.

Natural Resources and Agriscience

Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you like to be physically active? This may be the career path for you?

These are careers related to natural resources, agriculture, and the environment. Sample careers include fish and game wardens, marine biologists, and farmers. These careers are interesting to people who enjoy working outdoors and are interested in nature and animals.

Requirements for Graduation

The courses offered in this guide are designed to support students in meeting Michigan Merit Curriculum requirements and fulfilling the state's high school graduation requirements. Credit is granted for each semester of successfully completed course work. Students who have completed all requirements for graduation from Grand Haven Area Public Schools may be issued a diploma. In order for a student to earn a diploma from Grand Haven High School, the student must have been in attendance at Grand Haven High School for at least one semester of their senior year and earned no less than 2.0 credits, which must include one credit of math.

Per Board of Education Policy #5460 Graduation Requirements - Students must complete the entire Michigan Merit Exam, which consists of a College Entrance exam, Career Readiness test, and Michigan wrap-around tests (currently SAT, WIN, M-STEP), or an approved and appropriate alternate assessment, in order to graduate.

Total Credits Required to Graduate: 22.0 Credits

Coursework Requirements	**Credits Required**	**Recommended Grade Level**	**Qualifying Courses and Other Notes**
English/Language Arts	4.0	9 10 11 12	English 9 English 10 English 11 or AP Language & Comp AP Literature & Comp OR Elective*
Social Studies	3.0	9 10 11/12 11/12	World History with Geography US History with Geography US Government (.5 credit) Economics (.5 credit)
Science	3.0	9 10 11/12	Earth Science Biology Chemistry* (.5 credit) Physics* (.5 credit) *Physical Science-Chemistry and Physical Science-Physics (.5 credit each); Honors Chemistry, AP Chemistry, Honors Physics, AP Physics
Mathematics ***All students must be enrolled in a math course until they have completed the State required Michigan Merit Exam (MME).***	4.0	9 10 11 12	Algebra I or Honors Algebra I Geometry Algebra II or Honors Algebra II Additional Math credit for Final Year Math Requirement* *Credit for Algebra I, Geometry, and Algebra II may be earned in middle school.*
World Language	2.0		Spanish or German - 2.0 credit of the same language 1.0 Credit may be replaced by an additional English, Math, or Science course. **1.0 Credit may be earned in middle school.*
Physical Education	.5		PE requirement may be replaced by an additional English, World Language, Math, or Science course.
Health	.5		Health Credit may NOT be replaced.
Visual/Performing or Applied Art	1.0		Credit may be earned in any one category of fine arts, or any other course designated to satisfy VPA credit
Electives	4.0		Any courses designated to satisfy the Elective credit.
Financial Literacy Standards			Incorporated into Economics and Personal Finance curriculum.
On-Line Learning Experience			Incorporated into the GHHS curriculum.
MME State Assessments			Students are required to participate in **ALL** State Assessments.

English

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
English 9 A/B	B29 A&B	9-12	English 9	Yes
Public Speaking/Communications I	B32	9-12	English Elective/Visual Performing Arts	Yes
Contemporary Literature	B37	11-12	English Elective	Yes
Life Design	B40	11-12	English Elective/Elective	
Reading Workshop I A/B	B41 A&B	Teacher Recommended	English Elective	
Independent Reading	B46	10-12	English Elective	
Folklore & Mythology	B49	9-12	English Elective	Yes
English 10 A/B	B53 A&B	10-12	English 10	Yes
Honors English 10 A/B	B55 A&B	10-12	English 10	Yes
English 11 A/B	B56 A&B	11-12	English 11	Yes
Film Analysis	B67	10-12	English Elective/Visual Performing Arts	
Media Production	B68	10-12	English Elective/Visual Performing Arts	
Journalism I	B72	9-12	English Elective/Visual Performing Arts	Yes
Creative Writing I	B82	9-12	English Elective/Visual Performing Arts	Yes
Creative Writing II	B83	10-12	English Elective/Visual Performing Arts	Yes
College English	B88	11-12	English Elective	Yes
AP English Language & Composition A/B	B92 A&B	9-12	English 11/English Elective	Yes
AP English Literature & Composition A/B	B94 A&B	9-12	English 11/English Elective	Yes
Yearbook Journalism A/B	B95 A&B	10-12	English Elective/Visual Performing Arts	
AI Foundations for College & Career	B100	11-12	English Elective	
Senior Seminar & Portfolio	B101	12	English Elective	
Textual Analysis & Critical Literacy	B102	912	English Elective	Yes
Multi Media Communications	B103	10-12	English Elective/Visual Performing Arts	Yes
AP Seminar A/B	B104 A&B	10-12	English Elective	Yes

English Language Requirements for graduation: 4 credits required

B29 A & B English 9 **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

English 9 is the required ELA class for freshmen. We will spend the year reading, thinking, writing, and presenting. We will do this by utilizing a variety of texts (short stories, novels, articles, plays) and written work (writer's notebook, narratives, literary essays, personal essays, research, etc.). Required works include William Shakespeare's *Romeo and Juliet*, and Ray Bradbury's *Fahrenheit 451* or Homer's *The Odyssey.*

B32 Public Speaking/Communications I **1/2 credit**
One semester, Basic to Advanced level of difficulty Grade: 9, 10, 11, 12

This basic speech and communications class is designed to do the following: improve the student's ability to express his/her ideas through speaking, improve listening ability, gain skills in organization and outlining, and improve library and research skills. In addition to presenting several types of public speeches, students will also practice other communication skills including: interviewing, electronic communication, group discussion, and communication analysis.

B37 Contemporary Literature **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 11, 12

This course is designed for the student who enjoys engaged discussion, reflection, collaboration, and critical, close examination of the literature. A wide variety of award winning contemporary fiction and nonfiction literature from the past 50 years, including but not limited to topics such as memoir, fantasy, and humor are read, analyzed, and discussed. Students should expect nightly reading assignments and participation in daily discussions. The "book club" format of the course lends itself to dynamic interaction between the literature and class members. This is a fresh alternative and companion to "the classics."

B40 Life Design **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 11, 12

This is a course specifically designed to help students intentionally and methodically plan and navigate the academic, professional, and personal choices that come during and immediately after high school. Students will be taught to envision and design lives of fulfillment, service, and true personal happiness. Students will be writing frequently, examining themselves personally and academically, engaging frequently in group discussions, and using technology to develop and present their work to larger audiences.

B41 A & B Reading Workshop I **1/2 credit each**
One Semester Each, Basic level of difficulty Grade: Recommended Students Only

This class is designed for students wishing to improve their reading and writing skills. Instruction is focused on bringing each student further in his or her development of skills and encouraging the reading and writing competencies necessary for academic success. Particular emphasis is placed on the mastery of reading comprehension strategies and the traits of good writing. A variety of materials, including novels, poetry, and informational texts will enhance the lessons on reading improvement and support the student in other academic classes. This is a course that meets the English elective requirement. Class participation in all activities is essential for each student in the course. Discretion of the teacher to be released for replacement with an elective course after Workshop A.
Teacher recommendation required for selected students only.

B46 Independent Reading **1/2 credit**
One semester, Basic to Advanced level of difficulty Grade: 10, 11, 12

Independent Reading provides students with the opportunity to read for enjoyment. Students will select their own reading materials (either fiction or nonfiction can be read). Students who take this course will be given daily participation points for reading, so a strong desire and willingness to read is a must. Students will be asked to complete daily and/or weekly writing assignments that will include elements of both reflection on and analysis of what they have read. There will be a midterm book talk and a final exam reflection. This is not a study hall, so working on work for other classes during reading time will not be allowed.

B49 Folklore and Mythology **1/2 credit**
One semester, Intermediate level of difficulty Grade: 9, 10, 11, 12

This course is an overview of the major myths and folklore of Ancient Greece, Norse, Celtic, and others, mainly through primary sources. There will be a focus on heroic myths, creation, and the role of women in each culture. We will also examine the nature and social function of mythology, modern theories, and the legacy of mythology through art, literature, and popular culture. Students will learn how mythic narrative patterns and symbols function in Western culture.

B53 A & B English 10 **1 credit**
Two Semesters, Basic to Intermediate level of difficulty Grade: 10, 11, 12

English 10A is the first section of a survey course in literature in which students develop skills in close reading and literature interpretation as well as skills in organizing and writing well-constructed informational and argument essays. The students will become familiar with common themes in literature such as the individual's role in relation to the self, along with studying the value of integrity and equality. English 10B is the final section of a survey course in literature in which students continue the process of developing skills in close reading and literature interpretation as well as skills in

organizing and writing well-constructed narrative, informational, and argument essays. The research process will be studied and practiced, as well. The students will become familiar with common themes in American literature such as relationships, and dreams and visions. Students will improve thinking and writing skills by analyzing literature through a variety of writing styles. The course is designed to allow students greater appreciation for literature's role in the world and ourselves and must be passed prior to graduation.

B55 A & B Honors English 10 **1 credit**
Two Semesters, Advanced level of difficulty Grade: 10, 11, 12

Honors English 10A is the first section of a survey course in literature in which students develop skills in close reading and literature interpretation as well as skills in organizing and writing well-constructed informational and argumentative essays. The students will become familiar with common themes in literature such as the individual's role in relation to integrity and equality. Honors English 10B is the final section of a survey course in literature in which students continue the process of developing skills in close reading and literature interpretation as well as skills in organizing and writing well-constructed informational and argument essays. The research process will be studied and practiced, Students will become familiar with common themes in American literature such as identity, relationships, and dreams and visions. Students will improve thinking and writing skills by analyzing a variety of writing styles. This course is designed to help students develop an appreciation for literature's role in fostering personal development and their ability to understand the world around them.

Additionally, Honors English 10 students should be both highly motivated and able to work independently at an accelerated, rigorous pace. Students are expected to utilize critical and analytical thinking skills as they respond to verbal and written prompts. The curriculum will focus on preparing students to enroll in Advanced Placement English classes.

B56 A & B English 11 **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 11, 12

This course seeks to broaden students' perspectives through reading a variety of classic novels, short stories, and plays written by world class authors. There is a strong focus on world literature. Students will examine people from different backgrounds by studying literature from various regions, cultures, and backgrounds. This class also teaches composition, grammar, and vocabulary. Emphasis on SAT preparation included.
Prerequisite: English 10 or Honors English 10

B67 Film Analysis **1/2 credit**
One semester, Basic level of difficulty Grade: 10, 11, 12

Film Analysis focuses on movies as powerful acts of storytelling. Students will explore how films create meaning through narrative choices, such as character development, conflict, theme, structure, dialogue, and point of view and analyze how filmmakers guide an audience's understanding from beginning to end. Students will learn to interpret story arcs, uncover themes, explain how narrative decisions influence tone, mood, and message through critical analysis, discussion, and writing.

B68 Media Production **1/2 credit**
One semester, Intermediate to Advanced level of difficulty Grade: 10, 11, 12

This course is a general intro to video production with an emphasis in journalistic news writing, compiling and distribution. You will gain experience in television and broadcast productions in the studio and out in the field. You will learn many of its different facets including but not limited to camera, audio, graphics, editing and directing. There will also be learning experiences as on air talent. Students will learn the craft of video production and the different aspects associated with a broadcast; compile, write, edit and distribute newsworthy information; work together as a team in the studio and on location to produce quality work that can be aired; and produce daily high school announcements and news.

B72 Journalism I **1/2 Credit**
One semester, Intermediate level of difficulty Grade: 9, 10, 11, 12

This class will give students an introduction to the world of journalism. In this writing intensive class, students will explore all basic areas of journalistic writing and opinion formats while using proper journalism style and format. Students taking this course can expect to write often. Assignments will be written as though they were to be published. Multiple revisions of assignments will be the norm.

Included in the course are units covering the history and purpose of the free press in American society, legal and ethical issues for journalists and the changing function of media, as well as basic writing skills in news, feature and opinion writing. Students will also learn to prepare alternative-copy formats and learn when such forms are more useful than traditional story forms. As they arise, contemporary issues in journalism may also be featured in the course. Students will also have the opportunity to explore design and photojournalism and digital media (blogging, podcasting, etc.). Having a digital camera you may use will be extremely helpful in this portion of the course.

B82 Creative Writing I **1/2 credit**
One Semester, Intermediate to Advanced level of difficulty Grade: 9, 10, 11, 12

This writing class provides students an opportunity for self-expression and storytelling. The emphasis will be on learning techniques that will help students write more effective poems, short stories and short plays. Students will also examine the connection between reading and writing. A wide variety of topics and assignments are meant to encourage and stimulate fresh ideas.

B83 Creative Writing II **1/2 credit**
One Semester, Intermediate to Advanced level of difficulty Grade: 10, 11, 12

The class will provide students with the opportunity to develop their self-expression through a variety of written activities. Students will further develop their creative writing skills by discussing proper storytelling technique, writing in a variety of genres and analyzing published text.
Prerequisite: Creative Writing I

B88 College English **1/2 credit**
On Semester, Intermediate to Advanced level of difficulty Grade: 11, 12

This course emphasizes writing and critical thinking skills, including a variety of expository essays, focusing on research and responses to literature. Analysis skills and assignments taught in this semester course prepare a student for future college assignments. In addition to writing, students will be required to read, critically examine literature taught at the introductory college level, and present. Classroom discussion and participation are essential. This course should be taken as an alternative to Advanced Placement courses.

B92 A & B Advanced Placement English Language and Composition **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

This is a college-level course in critical thinking and effective writing. AP Lang is designed to model the merits of a college freshman level course in rigor, expectations, and grading. Readings and writings are almost entirely nonfiction. It demands higher levels of intellectual effort and it expects self-directed motivation. Independent reading will be required, and students will study language use to critically analyze essays. Since AP Lang students have chosen a program that directly involves them in college level work (including topics and language that some consider "controversial"), participation in this course involves a level of maturity. Classroom discussion and active participation are essential. Written assignments, both inside and outside of class, will be an important part of the course. Students are encouraged to take the College Board's Advanced Placement English Language and Composition examination in May. ***Summer assignment required.***
Recommended: English 10 A/B or Honors English 10 A/B

B94 A & B Advanced Placement English Literature and Composition **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

In the AP English Literature and Composition course, students devote themselves to the study of literary works written in or translated into English. Careful reading and critical analysis of such works of fiction, drama, and poetry, selected locally by responsible educators, provide rich opportunities for students to develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Students will examine the choices literary writers make and the techniques they use to achieve their purposes and generate meaning. Students develop the skills of literary analysis and composition as they repeatedly practice analyzing poetry and prose, then compose arguments about an interpretation of a literary work.
Recommended: English 10 A/B or Honors English 10 A/B

B95 A & B Yearbook Journalism **1 credit**
Two Semesters, Intermediate to Advanced level of difficulty Grade: 10, 11, 12

In Yearbook, students will collaborate to create and publish our high school yearbook, the Blue & Gold. They will be asked to participate in various tasks, including but not limited to taking photographs, interviewing the student body, designing spreads, soliciting ad sales from local businesses, and writing about events affecting the student population. Students will need to be available outside of school hours to complete their work, and the ability to drive to events for photography and reporting is preferred. Grades will be based on the completion of tasks related to the pages assigned by the instructor. An application must be submitted before enrolling in the class and can be picked up from Mr. Suchecki in room 4110.

B100 AI Foundations for College & Career **1/2 credit**
One Semester, Basic level of difficulty Grade: 11, 12

This course helps students understand artificial intelligence as a tool they will encounter in college, the workplace, and everyday life - not a replacement for human thinking. Through hands-on practice, platform comparison, career research, and conversations with professionals, students will explore ethical use, evolving job skills, and the importance of human creativity and judgment in an AI-driven world. The course emphasizes ethical considerations, critical thinking, creativity, and adaptability, while exploring how AI is already transforming careers and the skills students will need to thrive in a changing professional landscape.
Recommended: Successful completion of 2 years of English

B101 Senior Seminar & Portfolio **1/2 credit**
One Semester, Basic level of difficulty Grade: 12

Senior Portfolio & Seminar provides a capstone experience for graduating seniors through guided reflection, goal setting, and authentic project work. Students will compile a professional electronic portfolio that showcases academic growth, personal achievements, and future aspirations.

Students will explore digital platforms to design a personal website serving as their portfolio. Each portfolio will include a homepage, a showcase of exemplary work, a professional resume and cover letter, letters of recommendation, personal achievements, and a final Senior Project. The Senior Project serves as a culminating demonstration of learning—connecting career exploration, skill development, and self-reflection.

Class readings and discussions will support the themes of purpose, perseverance, and personal growth. Students will engage in literature circles, reflective writing, and collaborative presentations that emphasize communication, leadership, and a growth mindset.
Recommended: Successful completion of 3 years of English

B102 Textual Analysis & Critical Literacy **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This course is designed to strengthen students' reading, interpretation, and analytical skills. Students will develop and apply reading strategies to deepen comprehension, analyze texts, and evaluate how authors use structure, craft, and

rhetorical choices to convey meaning. Instruction emphasizes metacognitive awareness, including monitoring comprehension, refining reading habits, and strengthening working memory and other executive function processes essential to academic literacy. Students will engage in a range of mentor texts - fiction and nonfiction - to model effective reading and analytical practices. They will demonstrate mastery through independent reading, text-based responses, and metacognitive reflection on their habits.

B103 Multi Media Communication **1/2 credit**
One Semester, Basic level of difficulty Grade: 10, 11, 12

***Written applications must be submitted to and approved by the instructor before joining the class*.**

In this course, students will be responsible for the publication of the school's yearbook, the school newspaper, and creating broadcasts that highlight current events happening within the school community. Students will learn the history and skills needed to convey theme, organization, design, layout, editing, production, interviewing, storytelling, and sales. Students will need to be willing to work outside of school hours to complete a variety of tasks. By the conclusion of this year-long course, students will become critical viewers, consumers, and producers of media.

B104 A & B AP Seminar **1/2 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

Social Studies

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Law	C20	10-12	Visual Performing Arts/Elective	Yes
Sociology	C21	9-12	Elective	Yes
Philosophy	C23	11-12	Elective	Yes
World History A/B	C30 A&B	9	World History	Yes
World History in Film	C41	9-12	Elective	
US History A/B	C42 A&B	10-12	US History	Yes
AP US History A/B	C46 A&B	9-12	US History/Elective	Yes
AP European History A/B	C48 A&B	9-12	Elective	Yes
AP World History A/B	C50 A&B	9-12	World History/Elective	Yes
AP Comparative Government & Politics A/B	C60 A&B	9-12	Elective	Yes
Current Affairs	C66	9-12	Elective	Yes
AP African American Studies A/B	C68 A&B	9-12	Elective	Yes
Introduction to Psychology	C74	10-12	Elective	Yes
AP Psychology A/B	C78 A&B	9-12	Elective	Yes
Economics	C86	11-12	Economics	Yes
Pay It Forward	C87	12	Visual Performing Arts/Elective	
US Government	C88	11-12	Government	Yes
AP US Government A/B	C89 A&B	9-12	Government/Elective	Yes
Sports in the 20th Century	C94	10-12	Elective	Yes
AP Microeconomics	C109	9-12	Elective	
Maritime History	C111	9-12	Elective	
Women's History	C112	10-12	Elective	

Social Studies Requirement for graduation: 3 credits required, including 1/2 credit US Government and 1/2 credit Economics

C20 Law **1/2 credit**
One semester, Basic to Advanced level of difficulty Grade: 10, 11, 12

This course is designed to engage students in a critical examination of the structure and function of the United States legal system. Students will be introduced to contemporary legal issues in the areas of constitutional, civil, and criminal law through a variety of methods such as discussion, cooperative learning, simulations, case analysis, lectures, guest speakers and a mock trial. The goal of this class is to increase students' practical understanding of how the justice system really works. A wide range of topics will be explored including court structure, juries, important legal cases, terminology, crime, capital punishment, and the Bill of Rights.

C21 Sociology **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

Sociology is the scientific study of human societies and social behavior. The main focus is social interaction — how people relate to one another and influence each other's behavior. Students will use sociological theory to evaluate the following topics: Culture, deviance, class, race, ethnicity, gender, age, and health. This course gives students a better understanding of how the development of society is influenced by family, school, peers and the mass media. Students will also use these concepts to analyze the following movie: *The Breakfast Club, White Man's Burden, Crash and Mona Lisa Smiles*.

C23 Philosophy **1/2 credit**
One semester, Intermediate level of difficulty Grade: 11, 12

This course is an introduction to philosophical thinking. Why are we here? What makes something right or wrong? How do we know what is true? In this course, students will explore the ideas that have shaped human understanding of the world around us. From ancient philosophers to modern thinkers, students will examine how people across time and cultures have sought to answer life's essential questions.

Through discussion, debate, literature, and film, students will strengthen their critical thinking, communication, and reasoning skills while learning to see issues from multiple perspectives. Topics include: ethics, identity, justice, free will, and knowledge. Students will not only gain insight into these key philosophical ideas, but learn how to apply them in real life.

C30 A & B World History 1 **credit**
Basic to Intermediate level of difficulty Grade: 9

World History is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe from ancient times to the present. The content of this course will provide a broad overview of Asian, African, European, and Latin American history. It will also explain how geography, civics and economics affected the major events of history. Major topics/objectives covered will be the impact of geography; development of government (authority of power); trade and economics; development of religions and ethnic groups, social organization and culture in areas and time; conflicts, wars, revolutions, and their impact; global connections.

C41 World History in Film **1/2 credit**
One semester, Basic level of difficulty Grade: 9, 10, 11, 12

In World History in Film, students will watch a wide range of films that explore themes and concepts from ancient history to the modern world. From wars to revolutions, from social movements in the streets to scheming in royal palaces, from the creation of new countries to the collapse of old ones, World History in Film will use movies to bring the cultures and struggles of the past to life while deepening students' understanding of history. Students will analyze and reflect on the films in class discussions and other activities using a historical lens. To provide a broader perspective, some foreign films with subtitles will be included. While completing World History may be helpful, it is not required. The course is open to all grades.

C42 A & B U.S. History **1 credit**
Two Semesters, Basic to Advanced level of difficulty Grade: 10, 11, 12

This course is a comprehensive study of the United States from the 20th Century to the present day. This course will take an American perspective with key focus on America's interaction with the work at large and the ways in which events in the world have shaped the American experience both abroad and on the home front. Students in this course will analyze and then draw a conclusion as to why certain American historical events happened and how these events still influenced our society today. An emphasis will be placed upon reading, writing, and research skills.

C46 A & B Advanced Placement United States History **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

This course is a yearlong survey of American History from 1491 to the present. The focus of this course will be on three areas: 1) the major themes, events, and happenings in American History. 2) Preparation for the Advanced Placement Examination in U.S. History. 3) College level study skills (reading, writing-especially for essay tests, note taking, study/review skills). This course is for serious students of history who enjoy the subject and/or a challenge. To succeed in this class requires a great deal of intellectual ability and effort. As critical reading skills are essential to success, it is recommended that all students who take Advanced Placement U.S. History also take challenging English/Literature courses in their freshman and sophomore years. In a nutshell, we will be reading, writing, and talking about American History every day of the year. ***Summer assignment required.***
Recommended: Completion of U.S. History or equivalent

C48 A & B Advanced Placement European History **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

Advanced Placement European History is a yearlong, comprehensive survey of the themes, events, characters, and ideas, which have shaped the development of western civilization from the Late Middle Ages (Approx. 1400) to the present. AP European History demands rigorous intellectual effort, independent thinking, and mature critical thinking. Classroom discussion and collaboration are of major importance. This course is intended to develop mature critical thinking and analytical skills in the areas of reading, writing, and verbal expression. Assignments include reading and written analysis of primary and secondary sources, and various college level writing skills from informal journals to essays to formal papers. Additionally, college level note taking and organization skills are developed. Near the conclusion of the course, students are encouraged to take the College Board's Advanced Placement European History examination. **Summer assignment required.** On hold for 2026-2027.

C50 A & B Advanced Placement World History **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

Advanced Placement World History is a yearlong study of the themes and events that have shaped the world as we know it. The course highlights the nature of cultural, institutional, and technological changes and their causes and consequences, as well as comparisons among major societies. Roughly 75% of the course will focus on cultures other than the United States and Europe. In addition to expanding their understanding of world history, the course will help develop the skills necessary to think critically, research diligently, and express themselves maturely. AP World History is designed for students with a passion for history and a desire to think independently. To be successful, students should possess the discipline to put forth serious intellectual effort, the ability to read and analyze college level text, and the skills to express their thoughts maturely in both written assignments and class discussions. Students are encouraged to take the College Board's Advanced Placement World History Examination in the spring. ***Summer assignment required.***

C60 A & B Advanced Placement Comparative Government & Politics **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

Advanced Placement Comparative Government uses concepts from US government and world history to examine politics and government in a number of countries, including Britain, Russia, China, Iran, and others. We will look at what makes a democracy, and how dictatorships and other authoritarian governments (including theocracy and Marxist systems) develop and hold power. The course will consider different ways to build a government in order to protect individual rights, using the US system as a standard of comparison. We will see how citizens, pressure groups, political parties, and the military affect political development, and examine different roles of the government in the economy across different countries and periods of time. This course is designed to prepare students for the AP Comparative Government and Politics exam, allowing them to earn college credit. Comparative Government is an elective and does not meet the US Government graduation requirement. US Government or AP US Government is recommended.

C66 Current Affairs **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

The Current Affairs course examines the social, political, economic, and cultural issues that shape our country and the world today. Students will keep pace with the events shaping the 24-hour news cycle, applying social studies concepts to explore the parts of various issues. Class discussion and participation will be a major part of this course, with an emphasis on sharing views in a way that encourages civility and mutual understanding. The advantages and disadvantages of various forms of media, print and digital, will be explored, and students will examine ways to identify and account for bias in media sources. The goal of the course is to help students be prepared to participate in informed discussion about the questions and challenges facing America and the world. The course is open to all grades.

C68A & B Advanced Placement African American Studies **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

Advanced Placement African American Studies is an interdisciplinary course that explores the history, culture, and contributions of African Americans from the colonial period to the present. Students will examine the political, social, economic, and cultural experiences of African Americans, focusing on themes such as slavery, segregation, civil rights movements, and contemporary issues. Through critical analysis of primary and secondary sources, students will develop a deeper understanding of African American history and its impact on American society, while cultivating skills in research, writing, and historical interpretation. This course prepares students for the AP exam in African American Studies.
Recommended: Completion of World History or equivalent

C74 Introduction to Psychology **1/2 credit**
One semester, Intermediate level of difficulty Grade: 10, 11, 12

This semester-long course is for anyone who is interested in learning what the field of psychology is about. This class will cover a broad range of topics that make up the present day study of psychology. Topics will include: Biology and the Brain, Learning and Memory, Personality Theories, Development, Motivation and Emotion, Stress & Health, and Psychological Disorders and Methods of Therapy. This course is a terrific precursor to A.P. Psychology or a great overview of the field for someone who is interested but not yet ready to jump into a yearlong course.

C78 A & B Advanced Placement Psychology **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

Advanced Placement Psychology is a yearlong comprehensive study of psychology that covers the same material as a college level introductory psychology course. Topics include: history & research methods, neuroscience & the brain, personality theories, human development, learning & memory, statistics, sleep & consciousness, social psychology and abnormal psychology. This course demands a high level of discipline to read large amounts of material each night while taking notes. Students are expected to be able to develop well-written essays on learned material and to take timed tests and quizzes over their reading and class notes. This course is designed to prepare students for taking the College Board's A.P. Psychology Exam held in mid-May which enables students with a high enough score to gain college credit for psychology. It is recommended that you have taken Honors Biology as a sophomore and received at least a B- in order to take this course. A good companion course for this class is Anatomy & Physiology.

C86 Economics **1/2 credit**
One Semester, Intermediate to Advanced level of difficulty Grade: 11, 12

Economics is the study of the choices and decisions people make about how to use the world's resources. Students will study the basics of economics such as economic systems, supply and demand, market structures, money and banking, financial markets, business cycles and economic indicators. Students will also study the government's role in the economy and the global economy. This course includes the required State Financial Literacy Standards. This course is required for graduation.

C87 Pay It Forward **1/2 credit**
One Semester, Moderate level of difficulty Grade: 12

Pay It Forward is a service and project based course serving the West Michigan community. Students will collaborate to explore a focus area of study as a team, develop a driving question, research, produce and present a Senior Project that includes a plan of execution and portfolio reflective of the body of their work. Focus areas may include advocacy, community outreach, agriculture, public policy, or sustainability practices. Students are expected to cultivate relationships with area businesses, organizations, or individuals with whom they will work to develop a plan and project that contributes to the growth of the community.

C88 U.S. Government **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 11, 12

This course is the capstone of the Grand Haven High School Social Studies curriculum. The goal of this American Government course is active engagement in public discourse as citizens in our democracy. In addition to active discussion about politics, students in this course may conduct a trial, participate in an election, debate in a legislature, file income tax, and complete other hands-on assignments. The role of service in the community and the rights and responsibilities of citizenship are emphasized. A project will be a part of the class.

C89 A & B Advanced Placement U.S. Government & Politics **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters, Advanced level of difficulty

AP U.S. Government and Politics is a college-level year-long course that not only seeks to prepare students for success on the AP Exam in May, but also provides students with the political knowledge and reasoning processes to participate meaningfully and thoughtfully in discussions and debates that are currently shaping American politics and society. This political science course studies the interconnectedness of the different parts of the American political system and the behaviors and attitudes that shape this system. AP U.S. Government and Politics accomplishes these goals by framing the acquisition of political knowledge around enduring understandings and big ideas about American government and politics that can be applied to a set of disciplinary practices through the use of a set of reasoning processes. By the end of the course, students will be able to analyze current and historical political events like a political scientist and develop factually accurate, well reasoned, thoughtful arguments and opinions that acknowledge and grapple with alternative political perspectives.

Students taking AP U.S. Government are committing to an in-depth study of government and politics conducted over two semesters. Those that do not earn a passing grade during the first semester will be recommended to enroll in regular American Government (1 semester computed on a 4.0 scale) or to complete the test out option in the spring as outlined in the Student Handbook in order to earn their required credit for graduation.

C94 Sports in the 20th Century **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 10, 11, 12

Sports are a reflection of society. This class uncovers issues in society that have left a deep impact on us and previous generations through sports. Issues like Racism, gender equality, steroids, drug use, and political tension will all be examined through sports. Your view of sports in America will be changed forever! The class includes a significant amount of class discussion, and therefore student participation is important. Students do not need a strong background in sports to take the class, just an interest in the topic and willingness to participate.

C109 Advanced Placement Microeconomics **1/2 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
One semester, Advanced level of difficulty

AP Microeconomics teaches students how individuals and businesses make economic decisions. Students will learn how markets work, how prices are set, what happens when markets fail, and how the government can help. The course builds skills for understanding real-world economic issues and prepares you for the AP Microeconomics Exam. If taken in place of Economics, you must also take AP Macroeconomics to meet graduation requirements.

C111 Maritime History **1/2 credit**
One semester, Basic level of difficulty Grade: 9, 10, 11, 12

Explore the history of people and the seas. Topics include: pirates, trade, shipwrecks, technology, ocean liners, aircraft, and more.

C112 Women's History **1/2 credit**

One semester, Basic to Intermediate level of difficulty Grade: 10, 11, 12

Explores the roles, experiences, and contributions of women from ancient times to the present. Students examine historical events, social movements, and influential women while connecting these stories to contemporary issues such as gender equality, representation, and activism. This course blends traditional historical study with modern perspectives to foster critical thinking and awareness of social change.

Science

Requirements for graduation: **3 credits required**

Many next steps after high school would benefit from science coursework beyond the traditional pathway for success. Career paths include but are not limited to: Health Science/Medicine, Computer Science, Engineering & Design, Environmental & Agriculture, and Mathematics/Statistical Analysis.

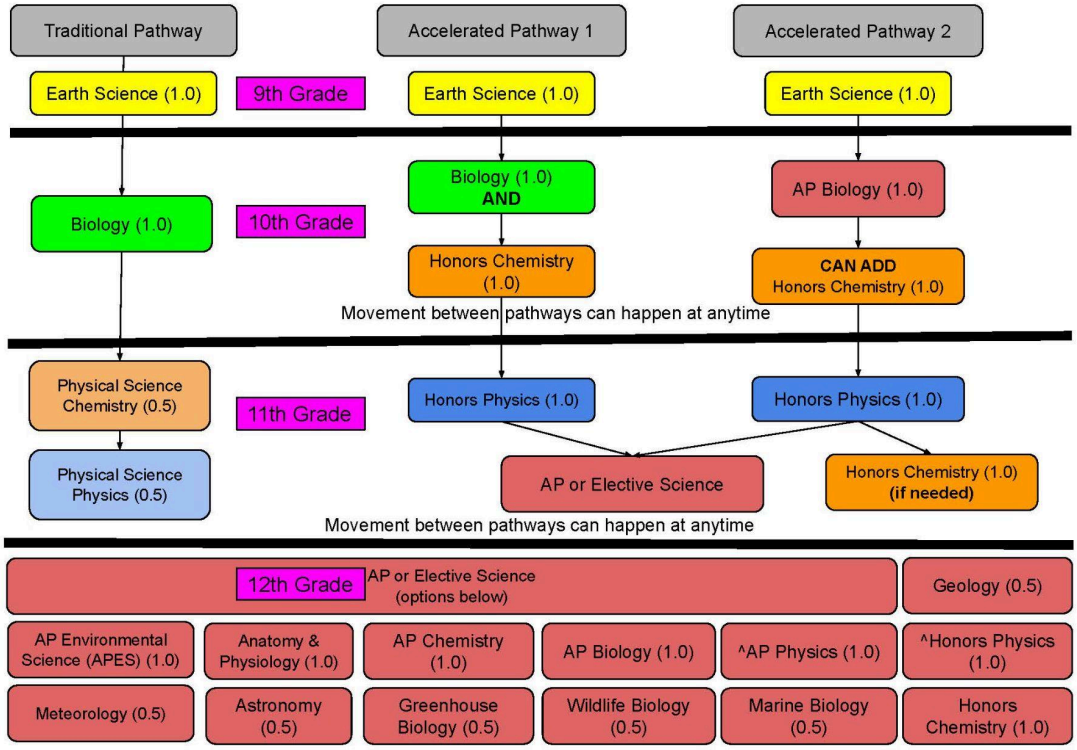
Science Graduation Requirements
3 Credits of Science including:
- 1.0 Earth Science
- 1.0 Biology
- 0.5 Chemistry
- 0.5 Physics

	9th Grade	10th Grade	11th Grade	12th Grade
Traditional Pathway	Earth Science (1.0)	Biology (1.0)	Physical Science Chemistry (0.5) **AND** Physical Science Physics (0.5)	Physical Science Courses (if needed) ^Science Electives &/or AP course(s)
Accelerated Pathway 1	Earth Science (1.0)	Biology (1.0) **AND** Honors Chemistry (1.0)	Honors Physics (1.0) **CAN ADD** Science Electives &/or AP course(s)	^Science Electives &/or AP course(s)
Accelerated Pathway 2	Earth Science (1.0)	AP Biology (1.0) **CAN ADD** Honors Chemistry (1.0)	Honors Physics (1.0) **CAN ADD** Honors Chemistry (1.0) if not already done **CAN ADD** Science Electives &/or AP course(s)	Honors Chemistry (1.0) if not already done ^Science Electives &/or AP course(s)

Movement between pathways can happen at anytime.

^Honors Physics & AP Physics can count as Senior Math credit when taken during Senior Year.

Grand Haven High School Science Course Map



^Honors Physics & AP Physics count as Senior Math credit when taken during Senior Year.

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Earth Science A/B	D24 A&B	9-12	Earth Science	Yes
Geology	D26	11-12	Elective	Yes
AP Environmental Science A/B	D28 A&B	9-12	Elective	Yes
Meteorology	D31	10-12	Elective	Yes
Biology A/B	D34 A&B	10-12	Biology	Yes
Greenhouse Biology	D42	10-12	Elective	Yes
Wildlife Biology	D43	10-12	Elective	Yes
Astronomy	D46	10-12	Elective	Yes
AP Biology A/B	D48 A&B	9-12	Biology/Elective	Yes
Anatomy & Physiology A/B	D49 A&B	11-12	Elective	Yes
Physical Science - Chemistry	D50	11-12	Chemistry	Yes
Honors Chemistry A/B	D55 A&B	11-12	Chemistry	Yes
AP Chemistry A/B	D57 A&B	9-12	Chemistry	Yes
Physical Science - Physics	D60	11-12	Physics	Yes
Honors Physics A/B	D66 A&B	11-12	Physics/Senior Math/Electives	Yes
AP Physics A/B	D68 A&B	9-12	Physics/Senior Math/Electives	Yes
Marine Biology	D85	11-12	Elective	Yes

Science Requirement for graduation: 3 credits

Courses labeled **Honors** meet and exceed the Michigan Course Content Expectations. These courses proceed at a faster pace and allow the student to delve deeper into the concepts taught. The student must have met the prerequisites. (See course selective information.)

A course labeled **AP (Advanced Placement)** meets the expectations set by the College Board and is equivalent to a freshman college course. *Students taking an Advanced Placement (AP) course may take the AP test for possible college credit.*

***NOTE:** Students are allowed to move between levels of course difficulty in different science courses (assuming prerequisites have been met).

D24 A & B Earth Science **1 credit**
Two Semesters, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

This course is designed to meet the NGSS/MSS curriculum content expectations for Earth Science. In this hands-on, activity-based course, students will study the make-up of the solid Earth and changes that occur on the Earth's surface. Specific areas of study for D24A include origins of the universe and solar system, life cycle of stars, earth's early history, plate tectonics, and geologic time. Students will also learn basic science skills, including scientific investigation, lab safety and procedures. D24B focuses on earth's water systems, including the hydrologic cycle, fresh surface and groundwater, oceans, atmosphere and climate, as well as human impact on these systems. (Meets Earth Science Requirement)

D26 Geology **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 11, 12

Explore the fundamental principles of geology. Rocks and minerals hands-on lab. Camping trip to Pictured Rocks. Student driven curriculum after the fundamentals are covered.
Prerequisite: Earth Science, Algebra 1

D28 A & B Advanced Placement Environmental Science **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10 11, 12
Two Semesters, Advanced level of difficulty

This elective course is primarily a senior level course (open to juniors and underclassmen if they feel confident to take an AP science course) and is designed for students anticipating a career/program in environmental science or other related biology/environmental careers. It is also designed to allow the student to gain a deeper knowledge in the interdisciplinary study that environmental science is. Students in this course will study a variety of topics including ecology, biology, pollution, populations, energy, land and water use, climate change, and much more. This class provides a world view of the state of the global and local environment and covers a variety of modern environmental issues. Learning will occur through in-class and flipped notes, class discussion, lectures, as well as hands-on activities, discussions, projects, and other classroom activities. Students will also utilize the online AP Classroom through the College Board. **Summer assignment required.**
Recommended: Earth Science, Biology & Chemistry (Chemistry may be taken concurrently).

D31 Meteorology **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 10, 11, 12

Meteorology will study the fundamental elements of weather and how weather predicting occurs. The class will investigate phenomena that occur in the atmosphere and why they occur. Class content includes reading weather maps, winds, air pressure, temperature, humidity, and technology used. Students will gain a better appreciation for the science of weather predicting.
Prerequisite: Earth Science

D34 A & B Biology **1 credit**
Two Semesters, Basic to Intermediate level of difficulty Grade: 10, 11, 12

Biology is a lab based course that will explore life science topics through the use of science investigations, discussions, modeling activities, projects, and presentations. This course is designed to meet the State of Michigan curriculum content expectations for Biology. Students will use NGSS science practices and develop data analysis skills during each instructional unit. Units of study in Biology A include ecology, biochemistry, cells, and energy. Units of study in Biology B include cell division, DNA/RNA structure and function, genetics, evolution, and study of human body systems. (*Meets Biology Requirement)*

D42 Greenhouse Biology **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 10, 11, 12

In this elective course, students will learn basic plant biology and how to grow plants under a variety of conditions (indoor/outdoor). Topics include soils and fertilizers; structure and function of plants; plant reproduction and cloning; houseplant care; gardening; landscape design and maintenance as well as identification of local trees and plants. The course is very hands-on and includes many outdoor projects and field trips. ***Offered second semester only.***

D43 Wildlife Biology **1/2 credit**
One Semester. Basic to Intermediate level of difficulty Grade: 10, 11, 12

In this elective course students will study the biology of fish, birds and mammals. Topics include wildlife/habitat management for common Michigan wildlife. Great Lakes ecology, fisheries management and environmental issues are also covered. Students will learn the anatomy, habits and adaptations of fish, birds and mammals. Students will also learn to identify common Michigan wildlife. The course also includes a unit on outdoor survival. Students will learn through a variety of hands-on projects, dissections, videos and labs.

D46 Astronomy **1/2 credit**
One semester. Basic to Intermediate level of difficulty Grade: 10, 11, 12

In this elective course, students will be exposed to astronomical concepts of space, including the birth and structure of the universe, galaxies, stellar evolution, constellations, tools of astronomy and observation, space exploration, and the search for extraterrestrial life.

D48 A & B Advanced Placement Biology **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters. Advanced level of difficulty

AP Biology is a challenging elective course that is equivalent to two semesters of college biology. It is the right choice for students who may want to pursue a science degree. College credit can be earned by students who attain a satisfactory score on the College Boards AP Biology exam that is offered each May. Units of study adhere to the College Board requirements and include ecology, chemistry of life, cell structure, cell energetics, cell communication, heredity, gene expression, and natural selection. Each unit of study offers students a chance to design and conduct investigations. The investigations often involve advanced techniques, equipment, and data analysis strategies that require group communication and collaboration. **A summer assignment is assigned and required**.
Recommendation: Biology A & B and Chemistry (may be taken concurrently).

D49 A & B Anatomy & Physiology **1 credit**
Two Semesters, Advanced level of difficulty Grade: 11, 12

This elective course is primarily a senior level course (open to juniors) and is designed for students who are anticipating a career/program in medicine or other related health field careers. It is also designed to allow the student to gain a deeper knowledge of the anatomy and physiology of the body as well as prepare the student for greater success in the more rigorous college level Biology courses. Students in this course will study the anatomy of the human body systems & tissues, explaining their relationships and how/why they work. Class time requires in-depth study and dissection of a cat and other mammalian body organs. Other topics discussed or performed throughout both semesters are organ donation, drug & disease awareness. Topics covered in this course are: Body Overview, Cells, Skin, Bones, Muscles, Blood, Circulation, Respiration, Brain, Digestion, Excretion, Reproduction & Pregnancy (growth & development).

D50 Physical Science-Chemistry **1/2 credit**
One Semester. Basic to Intermediate Level of Difficulty Grade: 11, 12

This course is designed to meet the State of Michigan curriculum content expectations for physical science with an emphasis on chemistry. Chemistry is the study of matter, its structure, properties, and the changes it undergoes. Students in Physical Science-Chemistry will study the structure of the atom, the periodic table, energy and bonds, changes in energy, electrical forces and matter, and interactions between particles. This course includes hands-on laboratory activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

(*Meets Chemistry Requirement*)
This class may be taken concurrently with other science courses. Taking this class does not prevent a student from taking the year-long Chemistry course in later semesters.
Prerequisites: Successful completion of Earth Science and Biology

D55 A & B Honors Chemistry **1 credit**
Two Semesters, Intermediate to Advanced level of difficulty Grade: 10, 11, 12

Honors Chemistry is for students who are interested in or planning a career in a STEM-related field such as Health Science, Medicine, Computer Sciences, Engineering and Design, Environmental or Agricultural Studies, Mathematics, and/or Statistical Analysis. The course is designed to meet and exceed the State of Michigan science standards for Chemistry. Honors Chemistry will provide learning opportunities that focus on the structure and properties of matter, energy, and chemical reactions. This course is more in-depth with greater expectations of students to do work outside of class than Introductory Chemistry. Honors Chemistry will help prepare students for future college level chemistry courses and/or careers.

Topics for Honors Chemistry A include significant figures in measurement, atomic structure, nuclear chemistry, the periodic table, electron configurations, bonding and geometry, writing chemical formulas, naming compounds, and chemical reactions. Learning in his course is supported with investigations, modeling, data analysis, and discussions. Topics for Honors Chemistry B include the states of matter (gases, liquids and solids) and their properties, energy of chemical reactions, solution chemistry, kinetics, acid-base chemistry, and equilibrium. This course includes hands-on investigations, data analysis, and discussions used to support learning in the classroom.

(Must take both A & B to meet Chemistry Requirement)
Students selecting Honors Chemistry A & B <u>may not take</u> Physical Science - Chemistry for credit as well.
Prerequisite: Successful completion of Earth Science A & B (B average or better recommended)

<u>D57 A & B Advanced Placement Chemistry</u> **1 credit**
Advanced Placement College Board Authorized Course Grade: 9, 10, 11, 12
Two Semesters. Advanced level of difficulty.

AP Chemistry is designed to prepare students who want to take the annual AP Chemistry test in May. AP Chemistry students must have taken Honors Chemistry A and Honors Chemistry B. AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This means the students in AP Chemistry must spend a great deal of time outside of class studying and working on problems on their own in order to fully understand the principles of chemistry.

For some students, this course enables them to undertake, in their first year of college, second-year work in the chemistry sequence at their institution, or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses.

AP Chemistry meets the objectives of a good college general chemistry course. Students in such a course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the ability to think clearly and to express ideas, orally and in writing, with clarity and logic.

The curriculum for this class includes study of the following six Big Ideas:

- Big Idea 1: The chemical elements are fundamental building materials of matter, and all matter can be understood in terms of arrangement of atoms. These atoms retain their identity in chemical reactions.
- Big Idea 2: Chemical and physical properties of materials can be explained by the structure and the arrangement of atoms, ions, or molecules and the forces between them.
- Big Idea 3: Changes in matter involve the rearrangement and/or reorganization of atoms and/or the transfer of electrons.
- Big Idea 4: Rates of chemical reactions are determined by the details of the molecular collisions.
- Big Idea 5: The laws of thermodynamics describe the essential role of energy and explain and predict the direction of changes in matter.
- Big Idea 6: Any bond or intermolecular attraction that can be formed can be broken. These two processes are in a dynamic competition, sensitive to initial conditions and external perturbations.

Recommendation: Successful completion of Honors Chemistry A & B (B average or better)

<u>D60 Physical Science-Physics</u> **1/2 credit**
One semester. Basic to Intermediate Level of Difficulty Grade: 11, 12

This course is designed to meet the State of Michigan curriculum content expectations for physical science with an emphasis on physics. Students in Physical Science-Physics will study the fundamental laws that govern all interactions between matter and energy, electric and electromagnetic energy, and forces, energy and motion. This course includes hands-on laboratory activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom. (*Meets Physics Requirement*)
This class may be taken concurrently with other science courses. Taking this class does not prevent a student from taking the year-long Physics course in later semesters.
Prerequisites: Successful completion of Earth Science and Biology

<u>D66 A & B Honors Physics</u> **1 credit**
Two semesters (A & B), Intermediate to Advanced level of difficulty Grade: 11, 12

For seniors, this course may count for your senior year math course. Honors Physics is for students who are interested in or planning a career in a STEM-related field, such as Health Science, Medicine, Computer Sciences, Engineering and Design, Environmental or Agricultural Studies, Mathematics and/or Statistical Analysis. Most any STEM related career

relies heavily on the understanding and application of fundamental physics concepts learned in this course. This course is designed to meet and exceed the State of Michigan science standards for Physics.

Honors Physics A is designed to cover the same topics as the 1 st semester of the AP Physics course. The only difference is that AP Physics is calculus based. This design affords the student unique opportunities to tailor their education to best meet their needs. For example, a student who is enrolled in AP Physics without having taken the Honors Physics course may, at the semester break, elect to, 1) continue studying AP Physics B and add the 2nd semester of Honors Physics (which covers topics not studied in AP Physics), or 2) switch from the study of AP Physics to that of Honors Physics allowing them to retain all the benefits (transcript, graduation requirements, etc) associated with a yearlong physics course. Please see the instructor for these courses if you have questions on how to best plan your path.

In Honors Physics A, students will study the following topics: **Kinematics**, (mathematical description of motion, including topics such as free fall and projectile motion); **Dynamics** (Forces and Interactions, Newton's Laws of Motion, Circular Motion); and **Conservation Laws** related to energy and momentum.

Honors Physics B will diverge from the AP Physics course at this point, covering topics such as **Mechanical Waves and Wave Properties**, the **Nature of Sound and Light** (including reflection, refraction and optics), basic **Electricity and Magnetism**, and, time permitting, **Nuclear Energy**. These essential physics topics are not part of the AP Physics curriculum.

(Must take both A & B to meet Physics Requirement)
Students selecting Honors Physics A & B may not take Physical Science-Physics for credit as well.
Prerequisite: Successful completion of Algebra IIA and Algebra IIB

D68 A & B Advanced Placement Physics C: Mechanics (Calculus Based) **1 credit**
Two semesters (A & B) Advanced level of difficulty Grade: 9, 10, 11, 12

For seniors, this course may count for your senior year math course. It is ideal for students who have already taken calculus and are looking for ways to apply their mathematical and science skills in ways that best prepare them for STEM related careers. You are permitted to take AP Physics without having taken the full year Honors Physics course, but this is discouraged. Such a pathway may lead to burn out due to the accelerated pace and large laboratory component associated with AP Physics. Please be certain to read through the Honors Physics course description (above) so that you can determine a path that works best for you.

The 1st semester of AP Physics covers exactly the same topics as those studied in Honors Physics A. The only difference is that calculus is relied upon to extend the essential physics knowledge gained in either course. In the 1st semester, students will study the following topics: **Kinematics**, (mathematical description of motion, including topics such as free fall and projectile motion); **Dynamics** (Forces and Interactions, Newton's Laws of Motion, Circular Motion); and **Conservation Laws** related to energy and momentum.

The 2nd semester of AP Physics explores advanced topics in Newtonian Mechanics, including **Center of Mass**, **Rotational Mechanics and Dynamics**, **Conservation of Angular Momentum**, **Simple Harmonic Motion**, and the **Universal Law of Gravity**. Topics such as these are more narrowly focused and most relevant only to students interested in advanced preparation for highly technical fields such as engineering and other physical science related careers.

Students electing to take AP Physics without having taken Honors Physics B will be required to complete some additional work related to essential physics content but not part of the AP Physics curriculum (i.e. phenomena related to waves and electricity and magnetism). Such study is relatively minor in amount and assigned after completion of the AP Physics exam.

D85 Marine Biology **1/2 credit**

One Semester. Intermediate Level of Difficulty Grade: 11, 12

This course is designed for the student interested in marine biology, and is not designed to meet the State of Michigan curriculum content expectations for Biology. This science course will cover the following topics: formation of the ocean, zones of the ocean, various types of marine organisms and their characteristics, mysteries of the ocean, peoples of the oceans, and interesting places near oceans. Dissection of specimens is an integral part of this course and includes dissection of a sea star, shark, squid, and horseshoe crab. The course also includes a field trip to Shedd Aquarium in Chicago.

Prerequisite: Biology A & B or AP Biology A & B

Mathematics

Mathematics Graduation Requirements

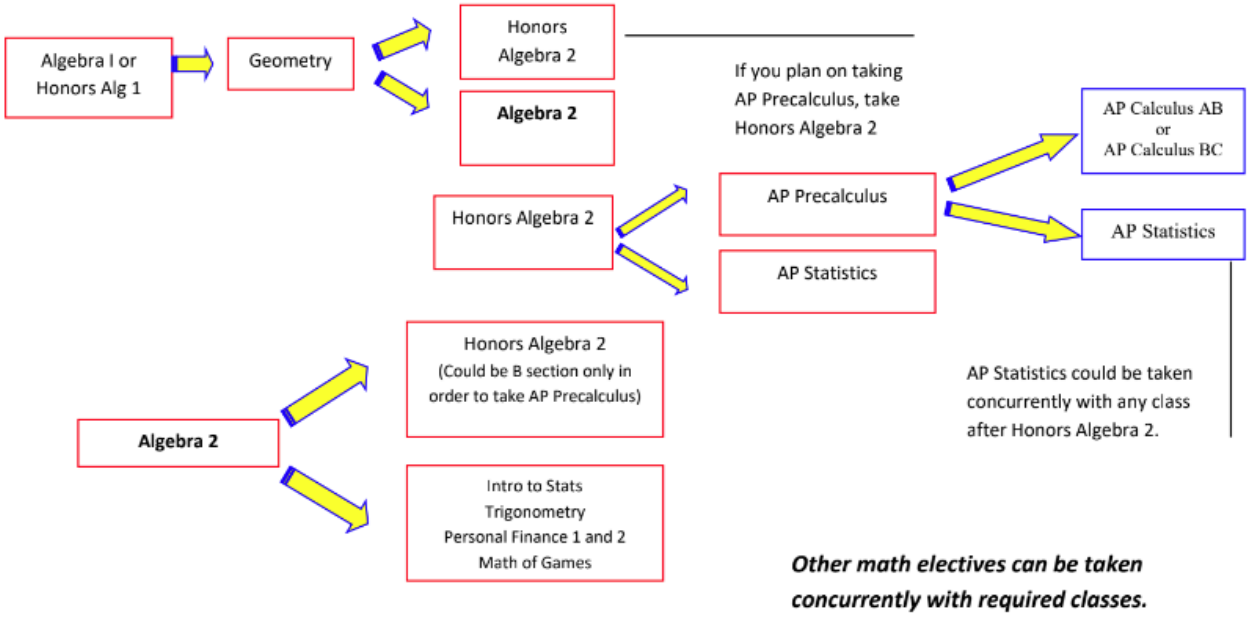
4 Credits of Math including:

- Algebra 1 (or Honors Algebra 1)
- Geometry
- Algebra 2 (or Honors Algebra 2)
- 1.0 Credit during Senior Year

All students must be enrolled in a math class until they have completed the state required Michigan Merit Examination (MME).

Ways to meet the requirements:

	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Traditional (>60% of students)	7th Grade Math	8th Grade math	Honors Algebra 1 or Algebra 1	Geometry	Honors Algebra 2	AP Precalculus
Excelled (30% of students)	7th Grade Math	Honors Algebra 1	Geometry	Honors Algebra 2	AP Precalculus	AP Calculus AB
Advanced (up to 5% of top students and motivated)	Honors Algebra 1	Geometry	Honors Algebra 2	AP Precalculus	AP Calculus AB or AP Calculus BC	AP Calculus BC
					and/or AP Statistics	
Alternate	7th Grade Math	8th Grade math	Algebra 1	Geometry	Algebra 2	Trig / Stats Per. Fin/Math of Games



Other math electives can be taken concurrently with required classes.

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Algebra I A/B	E20 A&B	9-12	Algebra I	Yes
Honors Algebra I A/B	E21 A&B	9	Algebra I	Yes
Geometry A/B	E30 A&B	9-12	Geometry	Yes
Math of Games	E34	12	Senior Math/Elective	
Personal Finance & Investing	E35	12	Senior Math/Elective	
Personal Finance & Investing II	E36	12	Senior Math/Elective	
Data Analysis	E37	12	Senior Math/Elective	
Honors Algebra II A/B	E40 A&B	9-12	Algebra II	Yes
Math Workshop	E41	9-12	Elective	
Algebra II A/B	E45 A&B	11-12	Algebra II	Yes
Career and Consumer Mathematics	E47	12	Senior Math/Elective	
AP Pre-Calculus A/B	E48 A&B	9-12	Senior Math/Elective	Yes
Trigonometry	E53	9-12	Senior Math/Elective	Yes
Statistics	E56	10-12	Senior Math/Elective	Yes
AP Statistics A/B	E60 A&B	9-12	Senior Math/Elective	Yes
AP Calculus AB A/B	E70 A&B	9-12	Senior Math/Elective	Yes
AP Calculus BC A/B	E80 A&B	9-12	Senior Math/Elective	Yes

Mathematics Requirement for graduation: 4 credits

E20 A & B Algebra I **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Algebra 1A builds upon knowledge to recognize and solve mathematical and real-world problems involving linear relationships and to make sense of and move fluently between the graphic, numeric, symbolic, and verbal representations of these patterns. Algebra I A builds on the approach to the study of functions and representations begun in the middle grades. This is done by broadening the study of linear relationships to include absolute value equations, systems of equations with two unknowns, formalized function notation, and linear regression and correlation. Algebra I B builds upon knowledge of linear patterns of change and familiarity with nonlinear patterns such as exponential and quadratic. The knowledge of exponential and quadratic function families is extended and deepened by including topics such as rules of exponentiation, operations and factoring polynomials, and standard and vertex forms for quadratic equations. Students will also develop their knowledge of power functions and the applications they model. Finally, Algebra I B expands the number domain from real to complex numbers. ***Algebra I is a requirement for graduation and preparation for their high school math proficiency test.*** A scientific calculator (not graphing) is strongly recommended.

E21 A & B Honors Algebra I **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9 – teacher recommendation

Honors Algebra I is taught at an accelerated rate and depth of Algebra I. See descriptions above for topics covered in Algebra. **Students will be placed by teacher recommendation.**

E30 A & B Geometry **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 9, 10, 11, 12

Geometry is a two-semester course that is required for graduation. Geometry stresses the ability to reason logically and to think critically. Geometry A focuses on logical thinking and proof, foundations of Euclidean Geometry, parallel and perpendicular lines, transformations, and relationships and properties of triangles. Geometry B focuses on polygons and quadrilaterals, similarity, right triangles and Trigonometry, area and volume of two-dimensional and three-dimensional figures, circles, probability, and applications of Geometry. A scientific calculator is strongly recommended.
Prerequisite: Successful completion of Algebra I A and B or Honors Algebra I A and B.

E34 Math of Games **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 12

Students in this course will investigate the mathematical components of various traditional games (dice games, card games, board games, multicultural games, lotteries, television games, Rubik's cube, Sudoku, Scrabble, pool, miniature golf and more.) Concepts from Algebra, Geometry, and Discrete Math will be implemented to determine outcomes, probabilities, and most effective strategies.

E35 Personal Finance and Investing **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 12

This one semester class assists students in developing a personal strategy of money management and investment. The various topics covered include budgeting, wants vs. needs, credit card use and misuse, college costs, career earnings, financing a home, consumer loans, investment risk vs. reward, compound interest, stocks, bonds, mutual funds, retirement plans, real estate, insurance, and portfolio allocations. Throughout the course, guest speakers from a variety of financial disciplines may visit the classroom to lend their expertise. The class goal is to educate students so they may take control of their financial lives, and ultimately become financially secure and independent. This course includes the required State Financial Literacy Standards.
Prerequisite: Algebra I A and B

E36 Personal Finance and Investing II **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 12

This one semester class will cover the following financial topics: Job applications/resume/cover letters, interviews, consumer decisions/protection, renting/leasing, taxes, home equity, present value analysis, options, futures, wills/trusts, exchange rates, budgeting, saving and investing (Stocks/Bonds/Mutual Funds/Real Estate, ETF's, FOREX), Insurance, Retirement, Automobile/Home Purchasing.
Prerequisite: Successful completion of Personal Finance & Investing with a grade of "B" or higher.

E37 Data Analysis **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 12

This course will keep students active by recording temperatures of coffee, heights of bouncing balls, times of falling objects, revenue of movies, intensity of light and much more to create mathematical models which could be used to extrapolate the data. Students will learn various ways of organizing and displaying the collected data. Class content will focus on the theory of conceptual ideas and the applications of math. Students will review content from Algebra using manipulatives and activities and learn the basics of statistics including the normal curve.
Prerequisite: Successful completion of Geometry A & B

E40 A & B Honors Algebra II **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

Honors Algebra II will help in a critical understanding of algebraic processes, practices, and procedures. Among the areas to be considered are: organization and understanding of a mathematical system and the critical factors used in solving problems involving applications. The course is designed to help students increase their familiarity with the nature of algebra. In the first semester there is an emphasis on solving and graphing equations, systems of equations, quadratics, properties of exponents, logarithms, and rational expressions. Honors Algebra IIB is the second semester Honors Algebra II class. In this semester there is an emphasis on sequences and series, probability and statistics, and trigonometry. A graphing calculator is strongly recommended.
Honors Algebra II must be taken if a student plans on taking Pre-calculus.
Prerequisite: Successful completion of Honors Algebra I A &B and Geometry A & B

E41 Math Workshop **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This class is designed for students wishing to improve their basic math skills. Instruction is focused on bringing each student further in his or her development of skills and encouraging the basic math skills necessary for academic success. Particular emphasis is placed on the master of pre-algebraic skills and the traits of a good math student. A variety of

methods and support will aid the student in their other academic classes. Class participation in all activities is essential for each student in the course. Discretion of the teacher to be released for replacement with an elective course after Workshop A. **Teacher recommendation required for selected students only.**

E45 A & B Algebra II **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 11, 12

Algebra II A provides those students encountering difficulties understanding algebraic concepts a less vigorously paced course of algebraic processes, practices, and procedures. **Those students who plan on enrolling in Pre-Calculus in the following year should not take Algebra II or will need to additionally enroll in Trigonometry with this course**. . A graphing calculator is strongly recommended. Part A will review concepts taught in Algebra I and build skills to solve systems of equations with two or more variables. Part B will focus on functions: power, inverse, logarithmic, and rational. We will also work with rational expressions and conics.
Prerequisite: Successful completion of Geometry A and B

E47 Career and Consumer Mathematics **1/2 credit**
One Semester, Basic level of difficulty Grade: 12

This course is a senior level course and is both career and math focused. The two main objectives in this course are to 1) explore various career pathways, the skills associated with finding and maintaining a successful career, and the mathematics skills involved with these careers and 2) learn useful and relevant mathematics skills that will help the everyday consumer make wise decisions. Topics explored in this course include but are not limited to percentages, unit conversions, data, table and graph making and interpretation, and other relevant career and consumer mathematics skills.

E48 A & B AP Pre-Calculus **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

In AP Precalculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. AP Precalculus prepares students for other higher-level mathematics and science courses. AP Precalculus A course content and skills include a deep conceptual understanding of functions including polynomial functions, rational functions, exponential functions, logarithmic functions, and trigonometric functions through multiple representations. AP Precalculus B content includes vectors, systems and matrices, sequences and series, probability, conic sections, polar functions, parametric functions, and limits. ulus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

This course meets all the requirements of the Advanced Placement Program and will prepare students to qualify for the advanced placement statistics examination, as administered by The College Board. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college algebra course. A graphing calculator is strongly recommended.

E53 Trigonometry **1/2 credit**
One Semester, Advanced level of difficulty Grade: 9, 10, 11, 12

This is a one semester class presenting the trigonometric functions first from the unit circle approach and then by using right triangles. In addition to trigonometric functions and their graphs, emphasis is placed on the law of cosines, the law of sines, and applications of trigonometry. A graphing calculator is strongly recommended.
Prerequisite: Successful completion of Honors Algebra II A & B or Algebra II A & B

E56 Statistics **1/2 credit**
One Semester, Basic to intermediate level of difficulty Grade: 10, 11, 12

This is a one semester class focusing on the ability to use statistical methods to interpret real-life data from newspapers, magazines, and other sources. Covers probability theory, the binomial probability distribution, normal distributions, sampling distributions, estimation, hypothesis testing, regression and correlation. A graphing calculator is strongly recommended.
Prerequisite: Successful completion of Honors Algebra II A & B or Algebra II A & B

E60 A & B Advanced Placement Statistics **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

The Advanced Placement Statistics course is an excellent option for any student who has successfully completed a second year course in algebra, and is planning on attending college, regardless of intended college major. In college, at least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, and business. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Observing patterns and departures from patterns
- Planning a Study - Deciding what and how to measure
- Anticipating Patterns - Producing models using probability and simulation
- Statistical Inference - Confirming models

This course meets all the requirements of the Advanced Placement Program and will prepare students to qualify for the advanced placement statistics examination, as administered by The College Board. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. A graphing calculator is strongly recommended.
Prerequisite: Successful completion of Honors Algebra II A & B

E70 A & B Advanced Placement Calculus AB **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

This course involves the study of the calculus of a single variable. It begins with an intuitive treatment of differential and integral calculus in reference to trigonometric, algebraic, inverse and logarithmic functions. Applications to analytic geometry, maxima and minima, area and volume and other physical phenomena are studied. The course meets the requirements established by the College Entrance Examination Board and successful students are encouraged to take the Advanced Placement Calculus AB test in May. **Successful completion of the AB test will replace the FIRST semester of college calculus.** A graphing calculator is strongly recommended.
Prerequisite: Successful completion of Pre-Calculus

E80 A & B Advanced Placement Calculus BC **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

A.P. Calculus BC is a fast-paced alternative for our most advanced math students seeking to maximize their Advance Placement opportunities. This is a year-long class that contains all of the material covered in A.P. Calculus AB plus the calculus of polar equations, parametric equations, differential equations and series. Material will be covered at an accelerated rate in order to prepare students for the BC Calculus Exam in May. **Successful completion of the BC test will replace the FIRST TWO semesters of college calculus**. (Note: a subscore of this test is automatically given to judge the qualification of a student for just the first semester of college calculus topics, those covered in A.P. Calculus AB). A graphing calculator is strongly recommended.
Prerequisite: A.P. Calculus AB or a strong Precalculus student
Teacher recommendation required.

World Languages

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Spanish I A/B	F36 A&B	9-12	World Language/Elective	Yes
Spanish II A/B	F46 A&B	9-12	World Language/Elective	Yes
Spanish III A/B	F56 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
Spanish IV A/B	F66 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
AP Spanish A/B	F68 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
German I A/B	F34 A&B	9-12	World Language/Elective	Yes
German II A/B	F44 A&B	9-12	World Language/Elective	Yes
German III A/B	F54 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
German IV A/B	F64 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
German V A/B	F74 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
AP German A/B	F94 A&B	9-12	World Language/Visual Performing Arts/Elective	Yes
English as a Second Language-Directed Study	ESL-DS	Teacher Recommended	Elective	

World Language Requirement for graduation: 2 credits – two years of <u>one</u> language are required to graduate

<u>F36 A & B Spanish I</u> **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Students will learn the four basic language skills: listening, speaking, reading, and writing. In basic social and cultural situations, students will learn how to use the language appropriately, focusing on topics such as expressing likes and dislikes, personality traits, classroom items, and locations in a school. These situations will form the focal point for developing skills through the study of vocabulary, grammar, dialogues, readings, hands-on activities, food and beverages, health, leisure activities, feelings and accepting or declining invitations.
Cultural materials emphasize geography and the way of life of the Spanish-speaking world.

<u>F46 A & B Spanish II</u> **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Students will expand upon the listening, speaking, reading, and writing skills in a practical and cultural setting utilizing vocabulary and complex grammar concepts. Spanish 2A will cover 3 chapters, including vocabulary relevant to family and festivities, describing people, ordering a meal, rooms and items in a house, household chores, clothing and shopping. Spanish 2B will cover 3 chapters, including vocabulary relevant to activities and vacation places, recycling and volunteer work, television shows and movie genres, computer and communication technology, classroom items and activities, and extracurricular activities.
Prerequisite: Successful completion of Spanish 1; a grade of C- or better is strongly recommended.

<u>F56 A & B Spanish III</u> **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 10, 11, 12

Students will review and expand upon the skills learned in Spanish 1A through 2B. They will review and expand on grammatical concepts, vocabulary, and expressions. Speaking and writing will be emphasized based on everyday situations and readings. Topics in Spanish 3A will include daily routines, getting ready for events, shopping, running errands, locations in a town, driving terms, modes of transportation, toys and childhood memories, holidays and family celebrations. Topics in Spanish 3B will include natural disasters, health and wellness, television programs, and cinema, cooking and items in a kitchen, camping and cookouts
Prerequisite: Successful completion of Spanish 2; a grade of C- or better is strongly recommended.

F66 A & B Spanish IV **1 Credit**
Two Semesters, Intermediate level of difficulty Grade: 11, 12

On an advanced level, students will review and expand upon the listening, speaking, reading, and writing skills learned in Spanish 1A through 3B. These skills will be presented in practical and cultural contexts. Topics in Spanish 4A will include traveling and tourist tips, professions and future plans, environmental issues, hiking and camping, weather, athletic events, and art and music. Topics in Spanish 4B will include health and wellness, exercise, personality traits and behaviors, jobs and volunteer work, professions and qualities of good employees, technology and inventions in the future. This course is primarily conducted in Spanish.
Prerequisite: Successful completion of Spanish 3; a grade of C- or better is strongly recommended.

F68 A & B Advanced Placement Spanish **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

The AP Spanish Language and Culture course emphasizes communication through interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness explored through 6 main themes (Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics). AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication but to facilitate comprehensible communication.

The course is taught in Spanish and engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). This course is recommended for students that have shown an ability to effectively communicate in the language and understand the culture from Spanish 4.
Prerequisite: Successful completion of Spanish 4; a grade of C- or better is strongly recommended.

F34 A & B German I **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

While acquiring German vocabulary and basic grammatical structures, students will learn how to function appropriately in basic social and cultural situations. Various situations such as shopping, travel, sports, restaurant visits, family, school, and home form the focal point for developing listening, speaking, reading, writing skills, clothing, shopping, helping at home, weather, free time, and food.

F44 A & B German II **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 1B. Students will study these skills in practical contexts such as getting around town, films, music, literature, holidays, and festivals, chores, gifts, photography and filming, architecture, travel accommodations, keeping fit, and healthy eating.
Prerequisite: Successful completion of German 1; a grade of C- or better is strongly recommended.

F54 A & B German III **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 10, 11, 12

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 2B. Students will study these skills in practical contexts such as personal health, injuries, towns, houses, vehicles, clothing, automobiles and driving, television, international cuisine, cooking, vacation resorts, food, personal injuries, and errands.
Prerequisite: Successful completion of German 2; a grade of C- or better is strongly recommended.

F64 A & B German IV **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 11, 12

Students will review and expand upon the listening, speaking, reading, and writing skills acquired through German 3B. Students will study these skills in practical contexts such as European and German geography, city sights, family, transportation, games, automobiles, hiking and free time, school, jobs, health and nutrition, and sports.
Prerequisite: Successful completion of German 3; a grade of C- or better is strongly recommended.

F74 A & B German V **1 credit**
Two Semesters, Advanced level of difficulty Grade: 12

On an advanced level, students will review and expand upon the skills learned in German 1A through 4B, including a significant increase in listening, speaking, reading, writing, and cultural activities. These skills will be presented in practical and cultural contexts. Topics will include interpersonal relationships, the media, the military and civil service, the environment, the arts, plans for the future, etc. This course is conducted primarily in German.
Prerequisite: Successful completion of German 4; a grade of C- or better is strongly recommended.

F94 A & B Advanced Placement German **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

At an advanced level, students will review and expand upon the skills learned in beginning through intermediate levels of German, including a significant increase in listening, speaking, reading, and writing. These skills will be presented in practical, historical and cultural contexts. Topics will include global challenges, science and technology, contemporary life, personal and public identities, family and communities, and beauty and aesthetics. This course is conducted primarily in German.
Prerequisite: Successful completion of German 3; a grade of C- or better is strongly recommended.

ESL-DS English As A Second Language-Directed Study **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

This is a course designed specifically for students whose first language is a language other than English. Students will acquire basic social and academic language skills through intensive grammatical, contextual, and cultural English instruction. Students will be exposed to a variety of listening, speaking, reading and writing exercises to enhance English Proficiency. Students will also receive support to ensure success in other academic areas.

Business

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Digital Productivity Masterclass	G25	9-12	Visual Performing Arts/Elective	
Digital Design	G38	10-12	Visual Performing Arts/Elective	
Digital Design II	G48	10-12	Visual Performing Arts/Elective	
AP Computer Science (JAVA) A/B	G58 A&B	9-12	Visual Performing Arts/Senior Math/Elective	
AP Computer Science Principles A/B	G59 A&B	9-12	Visual Performing Arts/Senior Math/Elective	
Sports & Entertainment Marketing A/B	G60 A&B	10-12	Visual Performing Arts/Elective	
Marketing/Sales A/B	G62 A&B	10-12	Visual Performing Arts/Elective	
Accounting I A/B	G84 A&B	10-12	Senior Math/Elective	
Accounting II A/B	G86 A&B	11-12	Senior Math/Elective	
iCreate A/B	G85 A&B	11-12	Visual Performing Arts/Senior Math/Elective	
Work-Based Learning A/B	V98 A&B	11-12	Elective	

Visual/Performing or Applied Art Requirement for graduation: 1 credit required
Senior Math Elective Requirement for graduation: 1 credit required

G25 Digital Productivity Masterclass **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

This semester-long course is open to all students 9-12. The course will provide students with essential and creative tools for both personal and professional use. Tools include Wix, Adobe (some programs NOT in Digital Design), Canva, Prezi, Google-related products and much more! This is a project-based course that will put digital tools in your toolbox!

G38 Digital Design **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 10, 11, 12

This course will introduce students to the world of design and media, including web design, graphic design concepts, video production, audio editing, drone operation, photography, and storyboarding. Students will use Adobe Creative Cloud (CC) products. Students will use this software suite to create real-world projects such as professional websites, logos, commercials, and their own YouTube channel featuring a variety of vlogs on topics of interest. Equipment used will include GoPro 5, DSLR cameras, drones, gimbals, external microphones and more! Student projects will include partnerships with local businesses and GHAPS.

G48 Digital Design II **1/2 credit**
One Semester, Intermediate to Advanced level of difficulty Grade: 10, 11 & 12

This course will focus on advanced techniques and concepts in design and media, including web design, graphic design concepts, video production, audio editing, drone operation, photography, and storyboarding. Students will continue to use Adobe Creative Cloud (CC) products, exploring them in greater depth. Equipment used will include GoPro 5, GoPro Fusion, DSLR cameras, a variety of drones, gimbals, external microphones and more! Student projects will include partnerships with local businesses and GHAPS, as well as several passion projects of their own. This course will also contribute to building their professional portfolio.

G58 A & B Advanced Placement Computer Science (JAVA) **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize

problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. This course will prepare students for the end-of-course AP Exam.

G59 A & B Advanced Placement Computer Science Principles **1 credit**
Two Semesters, Advances level of difficulty Grade: 9, 10, 11, 12

AP Computer Science Principles is a complete, full-year course developed in partnership with the University of Texas at Austin's UTeach Institute that focuses on the 7 "Big Ideas" in computer science using project-based approaches.
The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving.

- *Engaging Students New to Computer Science:* The course is designed to engage students from diverse backgrounds and those new to computing – and excite students with a curriculum that focuses on the core ideas that shape the landscape of computer science and its impact on our society.
- *Project-Based and Collaborative Learning Approach:* Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned - to become creators, instead of merely consumers, of the technology all around them.

This course will prepare students for the end-of-course AP Exam.

G60 A & B Sports & Entertainment Marketing **1 credit**
Two Semesters, Basic to Intermediate level of difficulty Grade: 10, 11, 12

This class is designed as an introduction to the fields of Marketing and Management with an emphasis on Sports and Entertainment and Hospitality and Tourism. After a review of the essentials of economics, students will be introduced to the principles of selling, advertising, customer relations, marketing research, and sports marketing. In addition to learning these concepts, students will have a chance to apply their knowledge in practical situations. Students will have the opportunity to be involved in the DECA Club. This class is highly recommended for college-bound students considering a major in business.

G62 A & B Marketing/Sales **1 credit**
Two Semesters, Intermediate to Advanced level of difficulty Grade: 10, 11 & 12

This class will consist of an advanced study of Marketing and Management. Students will be involved in the day-to-day operations of the school store, "The Buc Stop." This would include sales, inventory control, accounting, financial responsibilities, and distribution activities. Pricing and mathematical skills will also be covered. Students will have the opportunity to be involved in the DECA Club. This class is highly recommended for college-bound students considering a major in business.

G84 A & B Accounting I **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 10, 11 & 12

If you are considering a career in the business world or owning your own business, this is the course for you. Accounting I introduces students to the financial end of running a business. Students will study accounting principles and theory and cover the basic procedures in the accounting cycle. On-line working papers are used which allow for immediate feedback on work. Students will also be exposed to automated accounting through computer use on a daily basis. This course satisfies the senior math requirement.

G86 A & B Accounting II **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 11, 12

A continuation in the study of accounting principles and theory. Some topics covered are depreciation, inventory control, and allowance for uncollectible accounts. Automated accounting projects are also included. This course satisfies the senior math requirement.
Prerequisite: Accounting IA and IB

G85 A & B iCreate **1 credit**
Two Semesters, Intermediate-Advanced level of difficulty Grade: 11, 12

Classroom, lab and online blended learning through three fields of study: Marketing, Accounting, and Product Design. During this year-long course, each week students rotate through the three subject areas with two days designed for off site learning via field trips to local businesses and online learning at home. Each team of students presents a business plan that includes: Branding, creative marketing campaign, website/blog, finance, and product build.

V98 A & B Work-based Learning (Co-op or Internship) **1 credit**
One Semester, Basic level of difficulty Grade: 11, 12

CREDIT AND TIME:

1. One Semester / 2 hours
2. May be taken each Semester for credit

Work-based Learning (Co-op) Students who are employed in the community can earn H.S. credit for their work experience. Students need to work an average of 15 hours per week to receive credit and must take and pass a related vocational course (Accounting, Marketing, Computer Applications, Web Design, or a Careerline Tech Center course) each semester they are enrolled in Work-based Learning

Work-based Learning (Internship) The purpose of this program is to give students exposure to an area they will be interested in as a career. Students need to report (usually non-paid) to their placement 10 hours per week. They must also complete a semester project that reflects what they have learned throughout the course. A "Community Teacher" supervises students in these positions. Placements are available in most career interest areas. Students must have a cumulative G.P.A. of 2.0 to apply for this program.

Technology

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Product Design A/B	I17 A&B	9-12	Visual Performing Arts/Senior Math/Elective	
Engineering Design A/B	I18 A&B	10-12	Visual Performing Arts/Senior Math/Elective	
Mechatronics & Robotics A/B	I19 A&B	11-12	Visual Performing Arts/Senior Math/Elective	
Architectural Design A/B	I40 A&B	10-12	Visual Performing Arts/Senior Math/Elective	

Visual/Performing or Applied Art Requirement for graduation: 1 credit required
Senior Math Elective Requirement for graduation: 1 credit required

Credit may be earned in any one category of arts. This requirement may be replaced by an additional language arts, world language, math, or science course.

SME PRIME® – *(Partnership Response In Manufacturing Education)* is designed to bring together organizations, businesses, and high schools in a community-based partnered approach to advanced manufacturing/STEM education. Shape Corp is proud to be supporting PRIME at Grand Haven High School. In each community, SME PRIME works with a team of educators, manufacturers, and civic leaders to develop a strategic framework reflecting their community's unique workforce knowledge and skills needed. SME PRIME deploys an entire network of partners to leverage the latest technology, industry vetted curricula as well as all the supporting resources for the school, instructors and students.

I17 A & B Product Design **1 Credit**
Two Semesters, Intermediate Level of Difficulty Grade: 9, 10, 11, 12

Students use 3D solid modeling CAD software to generate: 3D models, assemblies, and 2D layout drawings. Students study design concepts and use Additive Manufacturing to translate conceptual design into reproducible products. This course is supported in partnership with SME PRIME.

I18 A & B Engineering Design **1 Credit**
Two Semesters, Intermediate Level of Difficulty Grade: 10, 11 & 12

Project based class where students learn how to design and build engineered solutions to design problems using 3D Solid Modeling CAD software and advanced manufacturing equipment. Students receive Industry-Recognized Credentials. Engineering design process reinforced through design challenges. Design for manufacturing and assembly concepts introduced. This course is supported in partnership with SME PRIME.
Prerequisite: Product Design or Design & Manufacturing I

I19 A & B Mechatronics & Robotics **1 Credit**
Two Semesters, Intermediate Level of Difficulty Grade: 11, 12

Students learn various disciplines in robotics through hands-on learning, computer-based lessons, use of high-tech trainers and equipment. Student-created capstone projects that apply learning and allow students to develop solutions to design challenges. This course is supported in partnership with SME PRIME.
Prerequisite: Product Design or Design & Manufacturing I

I40 A & B Architectural Design **1 Credit**
Two Semesters, Intermediate Level of Difficulty Grade: 10, 11 & 12

Students learn the process of designing a residential building from initial sketches to design development using Revit, SketchUp, and AutoCAD. Sustainable design incorporated into design. Architectural model making introduced.

Music

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Wind Ensemble A/B	J44 A&B	9-12	Visual Performing Arts/Elective	
Symphonic Band A/B	J46 A&B	9-12	Visual Performing Arts/Elective	
Color Guard	J48	9-12	Visual Performing Arts/Elective	
Percussion Studio	J49	9-12	Visual Performing Arts/Elective	
Concert Band A/B	J50 A&B	9-12	Visual Performing Arts/Elective	
Jazz Ensemble *(Zero hour)*	J52	9-12	Visual Performing Arts/Elective	
Concert Orchestra A/B	J54 A&B	9-12	Visual Performing Arts/Elective	
Symphony Orchestra A/B	J55 A&B	9-12	Visual Performing Arts/Elective	
Chamber Orchestra A/B	J56 A&B	10-12	Visual Performing Arts/Elective	
Chorale A/B	J64 A&B	9-12	Visual Performing Arts/Elective	
Bella Voce A/B	J65 A&B	9-12	Visual Performing Arts/Elective	
Buc Union A/B	J67 A&B	9-12	Visual Performing Arts/Elective	
Choral Ensemble A/B	J70 A&B	10-12	Visual Performing Arts/Elective	
Luminara A/B	J71 A&B	9-12	Visual Performing Arts/Elective	
Advanced Women's Ensemble A/B	J72 A&B	10-12	Visual Performing Arts/Elective	

Visual/Performing or Applied Art Requirement for graduation: 1 credit required

Credit may be earned in any one category of arts. This requirement may be replaced by an additional language arts, world language, math, or science course.

A uniform cleaning fee of $20 will be assessed per student.

Students who register for a music class during course registration will NOT be able to drop these classes after the last day of the current school year and are expected to remain in the course for the entire year. If due to extenuating circumstances a student needs to drop a music course after 1st semester, administrative approval will be required.

J44 A & B Wind Ensemble **1 credit**
Two Semesters, Advanced level of difficulty Grade: 9, 10, 11, 12

Open to those students with an advanced proficiency on a band instrument. Symphonic Band and Wind Ensemble members are expected to participate in marching band including: summer band camp, parade and show performances, as well as sectionals. After marching season, the marching band will divide and meet in a concert setting for the remainder of the school year. Objectives include the continuation of the development of correct playing habits, sight reading, performance standards, intonation and phrasing. This course will expect students to perform very challenging wind band literature. All bands participate in MSBOA festivals and other activities. In addition to traditional concerts, wind ensemble members will be required to participate with the symphony orchestra wind section as well as pep band at athletic events. Students will be placed at director discretion. New students will need to schedule an audition.
Private lessons are highly recommended.

J46 A & B Symphonic Band **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 9, 10, 11, 12

Open to those students with a reasonable to intermediate proficiency on a band instrument. Symphonic band members are expected to participate in marching band including: summer band camp, parade and show performances, as well as sectionals. After marching season, the marching band will divide and meet in a concert setting for the remainder of the school year. Objectives include the continuation of the development of correct playing habits, sight-reading, performance standards, intonation and phrasing. All bands participate in MSBOA festivals and other activities. In addition to

traditional concerts, concert band members will be required to participate with the pep band at athletic events. Students will be placed at director discretion. New students will need to schedule an audition.
Private lessons are highly recommended.

J48 Color Guard **1/2 credit**
One semester, Intermediate to Advanced level of difficulty Grade: 9, 10, 11, 12

Color Guard will be **offered first semester only** and is taken in conjunction with marching band. Extra rehearsals, outside of school, are required as well as participation at summer band camp. Members are selected by audition in the spring. Those students who are musicians and are signed up for band will continue in those courses after marching band.

J49 A & B Percussion Studio **1 credit**
Two Semesters, Intermediate to advanced level of difficulty Grade: 9, 10, 11, 12

This course provides an opportunity for percussion students to further technical skills through learning to play a variety of percussion instruments, including mallets, timpani, snare drum, and auxiliary percussion. This course focuses on developing both individual skills through practice and performance with larger ensembles including concert or marching bands, and musicianship through reading music and improving technique. Students can also expect to learn about instrument care and many participate in additional performance, competitions, or ensemble opportunities.

J50 A & B Concert Band **1 credit**
Two Semesters, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

Open to those students with a reasonable proficiency on a band instrument. Students will be in a concert setting throughout the year. Objectives include establishing good fundamentals and raising practice and performance standards. All bands participate in MSBOA festivals and other activities. In addition to traditional concerts, concert members will be required to participate with the school pep band at athletic events. Students placed at director discretion.

J52 A & B Jazz Ensemble *Zero Hour* **1 credit**
Two Semesters, Intermediate to Advanced level of difficulty Grade: 9, 10, 11, 12

Enrollment is audition based. Interested students must obtain audition materials. Objectives include the continuation of the development of correct playing habits, sight-reading, performance standards, intonation, and phrasing with emphasis on improvisation development. This course will provide students exposure to various literatures through performance, including but not limited to Big Band, Blues, and Jazz. Instructors will conduct spring auditions for fall placements.

J54 A & B Concert Orchestra **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 9, 10, 11, 12

All freshmen are required to be in the Concert Orchestra. Sophomores, juniors and seniors will be placed by auditions in the spring for fall placement.

Concert orchestra is in a traditional string orchestra setting throughout the year. Objectives include establishing good fundamentals, raising practice and performance standards, and learning good teamwork skills with a positive attitude to achieve excellence. Concerts include: Halloween, winter, Pre-Festival and spring, District/State Festival. Other activities include District/State Solo & Ensemble, special functions or concerts.

J55 A & B Symphony Orchestra **1 credit**
Two Semesters, Intermediate to Advanced level of difficulty Grade: 9, 10, 11, 12

Open, by audition or recommendation of director, to those students with advanced proficiency on any string instrument. Auditions take place in the spring for fall placement.

This orchestra performs very challenging music in a string and full orchestra setting. Objectives include the continuation of good technique, reading and performing music at an advanced level, using good teamwork and leadership skills with a positive attitude to achieve excellence. Concerts include: Halloween, winter, Pre-Festival, District/State Festival, and spring. Other activities include: District/State Solo & Ensemble, after school rehearsals with winds for full orchestra setting, sectionals, and any special functions or concerts.

J56 A & B Chamber Orchestra **1 credit**
Two Semesters, Advanced level of difficulty Grade: 10, 11, 12

Open, by audition, to those students with advanced proficiency on any string instrument. Auditions take place in the spring for fall placement. Private lessons are strongly recommended.

This orchestra performs professional grade literature in a string and full orchestra setting. Objectives include the continuation of good technique, reading and performing music at an advanced level, using good teamwork and leadership skills with a positive attitude to achieve excellence. Concerts include: Halloween, winter, Pre-Festival, District/State Festival, and spring. Other activities include: District/State Solo & Ensemble, after school rehearsals with winds for full orchestra setting, sectionals, special functions, concerts and competitions.

J64 A & B Chorale **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Chorale is a treble voice choir (Soprano, Alto). This choir will study and perform a variety of vocal music at concerts and festivals. Students will learn: healthy vocal technique, how to read music notation, music theory, cooperation skills, problem solving skills and goal setting to achieve high standards of excellence. No previous singing experience is necessary. Concert/Performances include: CCR, fall, winter, District/State Choral Festival, & spring.

J65 A & B Bella Voce **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 9, 10, 11, 12

Bella Voce is an auditioned treble voice choir (Soprano, Alto). This choir will study and perform a variety of vocal music at concerts and festivals. Students will learn: healthy vocal technique, how to read music notation, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. After school and evening performances may be scheduled. Admittance is by audition. Concert/Performances include: CCR, fall, winter, District/State Choral Festival, & spring.

J67 A & B Buc Union **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Buc Union is a non-auditioned tenor/bass ensemble. This group will study and perform a variety of vocal music. Students will learn: healthy vocal technique, how to read music notation, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. Concert/Performances include: CCR, Fall, Winter and possibly Holiday Spectacular, District/State Choral Festival, Festival of Choirs & Spring.

J70 A & B Choral Ensemble **1 credit**
Two Semesters, Advanced level of difficulty Grade: 10, 11, 12

Choral Ensemble is a highly select mixed ensemble (Soprano, Alto, Tenor, Bass). Students learn advanced singing & performance techniques, to read music at an advanced level, historical music styles and techniques, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. After school and evening performances may be extensive. Concert/Performances include: CCR, fall, winter, District/State Solo & Ensemble Festival, spring, All-State Festival and additional community performances. Admittance is by audition.
Prerequisite: Two years of choir in grades 7-12

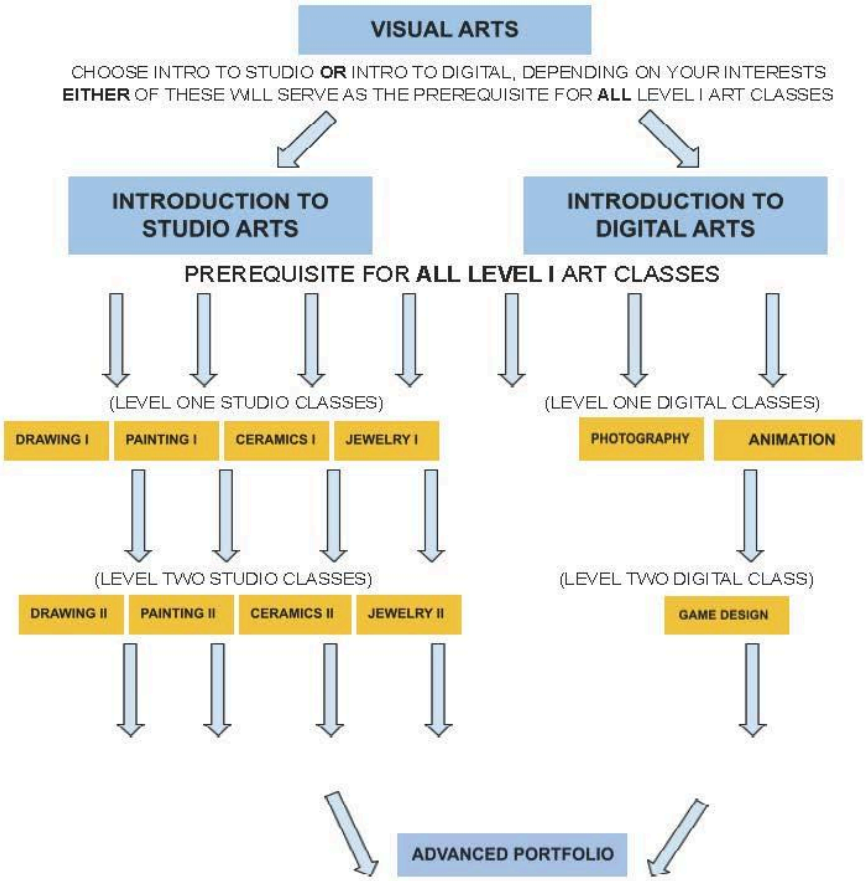
J71 A & B Luminara **1 credit**
Two Semesters, Intermediate level of difficulty Grade: 9, 10, 11, 12

Luminara is a select treble choir (Soprano, Alto). Students learn advanced singing & performance techniques, to read music at an intermediate level, historical music styles and techniques, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. After school and evening performances may be scheduled. Concert/Performances include: CCR, Fall, Winter, Holiday Spectacular, District/State Choral Festival, Festival of Choirs, Spring, and possible community performances. Admittance is by audition which will be held in the Spring.

J72 A & B Advanced Women's Ensemble **1 credit**
Two Semesters, Advanced level of difficulty Grade: 10, 11 & 12

Advanced Women's Ensemble is a highly select treble voice choir (Soprano, Alto). Students learn advanced singing & performance techniques, to read music at an advanced level, historical music styles and techniques, music theory, cooperation skills, problem solving skills and goal setting to achieve standards of excellence. After school and evening performances may be extensive. Concert/Performances include: CCR, fall, winter, District/State Solo/Ensemble Festival, spring, and additional community performances. Admittance is by audition.
Prerequisite: Two years of choir in grades 7-12

Art



Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Introduction to Studio Arts	L40	9-12	Visual Performing Arts/Electives	
Introduction to Digital Arts	L41	9-12	Visual Performing Arts/Electives	
Drawing I	L54	9-12	Visual Performing Arts/Electives	
Drawing II	L56	10-12	Visual Performing Arts/Electives	
Animation	L60	9-12	Visual Performing Arts/Electives	
Game Design	L61	10-12	Visual Performing Arts/Electives	
Jewelry I	L64	9-12	Visual Performing Arts/Electives	
Jewelry II	L65	10-12	Visual Performing Arts/Electives	
Ceramics I	L66	9-12	Visual Performing Arts/Electives	
Ceramics II	L69	10-12	Visual Performing Arts/Electives	
Painting I	L77	9-12	Visual Performing Arts/Electives	
Painting II	L78	10-12	Visual Performing Arts/Electives	
Digital Photography	L93	9-12	Visual Performing Arts/Electives	
Advanced Art Portfolio	L95	11-12	Visual Performing Arts/Electives	

Visual/Performing or Applied Art Requirement for graduation: 1 credit required

L40 Introduction to Studio Arts **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This class is an introductory studio art course and is the prerequisite for all other level 1 art courses offered at GHHS. This course is designed to take students from their current skill set to a more advanced level in terms of their technical and creative abilities in the visual arts. Students will have the opportunity to use a variety of media and a range of techniques to create finished works of art. Be creative and improve your artistic skills. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
****Prerequisite for all level 1 art classes - Choose either Intro to Studio Arts or Intro to Digital Arts****

L41 Introduction to Digital Arts **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This class is an introductory studio art course and can fulfill the prerequisite for all other level 1 art courses offered at GHHS. This course is designed to take students from their current skill set to a more advanced level in terms of their technical and creative abilities in digital art. Students will have the opportunity to learn the basics of illustrator and best practice for digital art creation for both print and digital media. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
****Prerequisite for all level 1 art courses - Choose either Intro to Studio Arts or Intro to Digital Arts****

L54 Drawing I **1/2 credit**
One Semester, Basic level of difficulty Grade: 10, 11, 12
9 (2nd semester after completing Introduction to Studio Arts or Introduction to Digital Arts)

Basic drawing techniques from observation and imagination will be presented. These will include but are not limited to gesture, contour, perspective, and portrait drawing. Students will work with a variety of drawing media and keep a sketchbook of individual drawings. Students will be expected to participate in critiques of their artwork. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
Prerequisite: Successful completion of one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L56 Drawing II **1/2 credit**
One semester, Intermediate level of difficulty Grade: 10, 11, 12

This course will emphasize technical ability, composition and experimental techniques in more advanced drawing assignments**.** Students will demonstrate ability in a variety of drawing mediums and participate in critiques. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$10 fee is due the first week of class.
Prerequisite: Successful completion of Drawing I and one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L60 Animation **1/2 credit**
One Semester, Basic level of difficulty Grade: 10, 11, 12
9 (2nd semester after completing Introduction to Studio Arts or Introduction to Digital Arts)

This course introduces students to both traditional and digital animation. Digital animation is taught with a video game workflow focus. Students learn about how to use the 12 principles of animation to create dynamic sequences. Both Illustrator and Photoshop will be used to create assets for students animating figures, objects and backgrounds. Unity is the primary software used for animating 2D objects in this course. Foundational skills that are taught through this class are storyboarding, frame by frame animation, motion tweens, camera angles, transitions and audio recording. Students will learn about the history of animation and learn techniques by watching select animated clips from films that have contributed to the field. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
Prerequisite: Successful completion of one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L61 Game Design **1/2 credit**
One Semester, Basic Level of Difficulty Grade: 10, 11, 12

This course builds on the Principles of Animation to create interactive art. Several tools will be utilized to create both physical and digital games. The course primarily focuses on prototyping, 2d asset creation, GDScript narrative and level design using the Godot game engine.
Prerequisite: Successful completion of Animation and one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L64 Jewelry I **1/2 credit**
One Semester, Advanced level of difficulty Grade: 10, 11, 12
9 (2nd semester after completing Introduction to Studio Arts or Introduction to Digital Arts)

Jewelry I offers students the opportunity to create original art products using advanced techniques in jewelry making. Each project will involve an in-depth study of design, art history and skill development with the medium being used. Projects may include wrap bracelets, beaded loom bracelets, wire and metal working. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$40 fee is due the first week of class.
Prerequisite: Successful completion of one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L65 Jewelry II **1/2 credit**
One semester, Advanced level of difficulty Grade: 10, 11, 12

Jewelry II is an advanced course for students who have an interest in creating original jewelry and are ready to take it to a higher level. Students will utilize more advanced construction techniques and develop their own. Students will apply these techniques in modern ways to make aesthetically pleasing, functional pieces, in a more in depth study. Original, well-planned projects with high craftsmanship, aesthetic consideration and attention to detail are required. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$40 fee is due the first week of class.
Prerequisite: Successful completion of Jewelry I and one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L66 Ceramics I **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 10, 11, 12
9 (2nd semester after completing Introduction to Studio Arts or Introduction to Digital Arts)

Ceramics I will include various traditional hand building methods. Surface techniques will vary for each project, including carving, stamping, underglaze design and glaze layering. Ceramic history and appreciation and vocabulary/terminology will also be included. Projects include stamp making, pinch pots, press plates, coffee mugs, lidded jars and solid / hollow animals. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$35 fee is due the first week of class.
Prerequisite: Successful completion of one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L69 Ceramics II **1/2 credit**
One Semester, Advanced level of difficulty Grade: 10, 11, 12

Class requirements include:
- Work on a potter's wheel
- Advanced level work in hand building techniques or combination of methods, creating both functional and sculptural art works.
- Advanced surfacing and glazing techniques
- Glaze chemistry
- Ceramic Appreciation and History

**Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$35 fee is due the first week of class.

Prerequisite: Successful completion of Ceramics I and one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L77 Painting I **1/2 Credit**
One Semester, Basic level of difficulty Grade: 10, 11, 12
9 (2nd semester after completing Introduction to Studio Arts or Introduction to Digital Arts)

Painting techniques will utilize acrylic paints and watercolors. Students will learn various brush techniques, how to properly care for brushes, paints, and papers. Subject matter will cover a sampling of realism, abstract and non-objective work. Color study and the history of painting will be included. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
Prerequisite: Successful completion of one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L78 Painting II **1/2 credit**
One semester, Intermediate level of difficulty Grade: 10, 11, 12

This course offers students the opportunity to focus on more advanced techniques in painting and painting history. Specific skills in acrylic and watercolor will be explored. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$25 fee is due the first week of class.
Prerequisite: Successful completion of Painting I and one of the following: Introduction to Studio Arts or Introduction to Digital Arts

L93 Digital Photography **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 10, 11, 12
9 (2nd semester after completing Introduction to Studio Arts or Introduction to Digital Arts)

This introductory class in photography will include instruction on the use of the digital camera, and photoshop. Students will learn how to enhance and manipulate photos using Adobe Photoshop. Emphasis will be on the composition of a variety of subjects including landscapes, portraits, action shots, photo restoration, abstraction, and still life. **Assignments must be completed during the art class period due to the supplies needed, demonstration of techniques and in-progress feedback.*
$25 fee due by the 2nd week of class for digital printing paper, ink cartridges, matt boards, card readers, flash drives, cables, and various supplies.
Prerequisite: Successful completion of one of the following: Introduction to Studio Arts or Introduction to Digital Arts - SLR camera

L95 Advanced Art Portfolio **1/2 credit**
One Semester, Advanced level of difficulty Grade: 11 (2nd semester only)
Materials fees will be discussed with individual plans of study. 12 (either semester)

This course is designed for the serious art student who has already taken a variety of art courses including: an Introductory class (digital or studio), all the levels offered in the ***specific medium in which they are applying to take Advanced Portfolio*** and at least ONE 2d course (if applying for a 3d medium) or at least ONE 3d course (if applying for a 2d medium). Students who are developing an art portfolio for college submissions will be given priority. As such, it is highly recommended to take this course in the 2nd semester of junior year or 1st semester of senior year. ***This course requires an Application and Art Department Approval prior to registration.***

Application and Approval Process:
Students must be granted Art Department Approval. For specific details and directions, students need to get an Application Packet from Mrs. Sipe.
The Approval process will include:

1. An application appointment with an art department committee for a review of the students' previous and current artworks.
2. A written Artist Statement and a detailed project proposal including visual references and a design plan.
3. Upon approval, an appointment with the course teacher for individualized course curriculum development.

Prerequisites:

1. A minimum of 4 previous **art courses** taken at GHHS (Introduction to Studio Arts or Introduction to Digital Arts) plus three (one 2d & one 3d) other art courses, including the completion of levels offered in a specific medium.
2. Completion of the Application requirements and Art Department Approval.

Physical Education

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
Women's Fitness	M39	9-12	Physical Education/General Elective	
Introductory Physical Education	M43	9-12	Physical Education/General Elective	
Team Sports	M46	10-12	Physical Education/General Elective	
Weight Fitness – Zero Hour	M53	9-12	Physical Education/General Elective	
Fitness Training	M55	9-12	Physical Education/General Elective	
Yoga/Cardio Conditioning & Intro to PE	M58	9-12	Physical Education/General Elective	
Introduction to Physical Performance	M64	9-11	Physical Education/General Elective	
Athletic Performance	M65 A/B	9-12	Physical Education/General Elective	
Women's Strength Training	M67	10-12	Physical Education/General Elective	
Advanced Functional Conditioning & Training	M75F-Fall M75S-Spring	9-12	Physical Education/General Elective	
Outdoor Education	M80	12	Physical Education/General Elective	
Introduction to Self Defense	M85	9-12	Physical Education/General Elective	
Health	M95	9-12	Health/General Elective	

PE Academic Requirement for graduation: 1/2 PE Credit and 1/2 Health Credit

The aim of physical education is to give students the knowledge, skills, and confidence they need to continue improving their physical performance and fitness and to realize that attaining and maintaining good health is for a lifetime. Students will be asked to set their own short and long-term fitness goals and develop strategies for attaining those goals. These goals are: Physical Development, Social Development, Emotional Development, Recreational Development, and Intellectual Development.

All physical education classes (except Health) may be taken more than one semester for credit.

M39 Women's Fitness **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

This class is designed for women who are interested in participating in a variety of activities that will positively influence their health, well-being, and fitness levels. Many activities will focus on real world connections and lay the groundwork for future physical education classes and an active lifestyle beyond high school. Activities include: hiking, yoga, pickleball, tennis, badminton, volleyball, and soccer to name a few! Students will also have the opportunity to use the fitness center for weight training and body sculpting.

M43 Introductory Physical Education **1/2 credit**
One semester, Basic level of difficulty Grade: 9, 10, 11, 12

This course will meet the graduation requirements for all students. The purpose of this class is to expose all students to the wide variety of offerings in the Physical Education Department and to incorporate fitness activities into a lifelong commitment to fitness. Students will be introduced to many team sport activities such as pickleball, tennis, softball, air force football, ultimate frisbee, soccer, volleyball, badminton, floor hockey, and dodgeball. Students will have the opportunity to use the fitness center for weight training as well. This is a fun class that will get you a great workout and introduce you to several activities.

M46 Team Sports **1/2 credit**
One semester, Intermediate level of difficulty Grade: 10, 11, 12

This semester-long course consists of the following: pickleball, tennis, softball, air force football, ultimate frisbee, soccer, volleyball, badminton, basketball, floor hockey, and dodgeball. This class will allow the student the opportunity to

improve their skills, to maintain a moderate level of fitness, and to develop stress reduction techniques through the enjoyment of participating in sports with others.

M53 Zero Hour Weight Fitness **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This class is for the student that wishes to use weight training as the core to his/her personal fitness program. After an introduction to weight fitness, the student will develop a program that encourages balanced fitness while emphasizing the personal needs and wants of the student. This course will consist of four days of weight work and one day of speed & agility training.

M55 Fitness Training **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11, 12

This class is for the student that is hoping to learn about and participate in fitness training. Students will spend time training in a variety of ways (muscle endurance, muscle strength, and cardio). Students will have the opportunity to use the fitness center for weight training, spend time running both on the track and off road, and occasionally use sports as a way to train. If you are looking for a way to get a consistent workout during the school day - this class is for you.

M58 Yoga/Cardio Conditioning and Introduction to Physical Education **1/2 credit**
One semester, Intermediate to Advanced level of difficulty Grade: 9, 10, 11, 12

This class combines yoga, along with cardio workouts such as boot camp in the weight room, Insanity, P90X, T25, and other body sculpting activities. Students will benefit by strengthening core muscle groups and increasing flexibility, balance, and energy levels. This class will also introduce students to a variety of sports such as pickleball, tennis, soccer, volleyball, and badminton to name a few. If you are looking for a way to get in shape and have fun - this is the class for you.

M64 Introduction to Physical Performance **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 9, 10, 11

This is an introduction course to athletic and physical development. This training course is designed to educate the student on proper training techniques in the weight room (strength program) along with physical attributes in other areas of life such as running, jumping, sprinting, cutting, mobility and flexibility. This course can also be used to bridge the gap for student athletes between learning how to train, and the Athletic Performance course. Student responsibilities will include but not be limited to keeping a weight training log on a class specific app to monitor progress along with the ability to learn training methods and models and apply them with consistency throughout the course.

M65 A & B Athletic Performance **1/2 credit**
Two semesters, Advanced level of difficulty Grade: 10, 11, 12
*9th graders after 1st semester completion of Introduction to Physical Performance

This is an advanced level training course designed for students who are serious about their athletic performance and physical development over time. This course takes a deeper dive into strength training programs, understanding the reasoning behind them along with putting them into practice. This course will expose students to higher demands in the weight room, higher level plyometric training and more focused speed and agility development that can benefit students in any recreational activity they choose from sports to any other activity. Student responsibilities will include but not be limited to keeping a weight training log on a class specific app to monitor progress along with the ability to learn training methods and models and apply them with consistency throughout the course.
Prerequisite: Must have successfully completed Introduction to Physical Performance or Department Approval

M67 Women's Strength Training **1/2 credit**
One semester, Basic to Intermediate level of activity Grade: 10, 11, 12

This class will give sport specific strength training, pre-testing, agility-speed-plyometric-quickness-stretching programs and technical skill work. This class is designed to make the student-athlete the best she can be. The emphasis is maximum strength, cardiovascular, body control-efficiency and skill improvement for the individual student. The emphasis of the work areas will change as to whether the athlete is pre-season, in-season, or post-season and as to the

number of sports they participate in. Note: The workouts will be instructor controlled. This is NOT a Personal Fitness Class. This will be Athletic Training for Varsity Quality Athletes.

M75 Fall or Spring Advanced Functional Conditioning & Training **1/2 credit**
One semester (Fall or Spring), Advanced level of difficulty Grade: 9, 10, 11, 12

This semester-long course, taught by the Varsity Basketball Coaches, is designed to teach functional strength and conditioning to interested students. This course will be offered both in the fall, and spring of each school year. This course is designed for the serious student-athlete to improve their overall agility, cardiovascular endurance, quickness, balance, strength, injury prevention, and fitness. Exercises will be HIGH INTENSITY functional movements for various varsity athletics, including (but not limited to) on-court running, sprinting, lateral movement, medicine ball exercises, and weight lifting.
Prerequisite – Advanced approval signature from Katie Kowalczyk-Fulmer or Greg Immink

M80 Outdoor Education **1 credit**
One semester/2 consecutive class hours, Basic to Intermediate level of difficulty Grade: 12

Come experience a very unique approach to physical education as you challenge yourself physically and mentally. The majority of the course takes place off campus and will expose you to resources right here in the greater Grand Haven area. Topics of instruction may include: trust and team building activities, low and high ropes, land based kiteboarding, trail building, trail maintenance, mountain biking, hiking, backpacking, kayaking, canoeing, hunter's safety, paintball, orienteering, land navigation, rock climbing, scuba, cross country skiing, downhill skiing, sledding, First aid and CPR. Specific Outdoor Education activities will be dependent on which semester you are enrolled in. As an example, the fall semester will cover survival and self-sufficiency, the winter semester will focus as much as possible on snow and winter related activities. Students enrolled in Outdoor Education can expect to spend the majority of their time outside in all kinds of weather. The class continues through rain, snow and most precipitation in between. If you have further questions or concerns you are encouraged to speak with Mr. Warner to be sure you are a good fit for this course.
This course may be taken only ONE semester during a student's senior year.
Due to the costs of numerous field trips, an activity fee of $200 is required for enrollment.

M85 Introduction to Self Defense **1/2 credit**
One semester, Basic level of difficulty Grade: 9, 10, 11, 12

This course would focus on introducing the fundamentals of wrestling, Jiu Jitsu, non-contact boxing and possibly other martial art disciplines.

M95 Health **1/2 credit**
One Semester, Intermediate level of difficulty Grade: 9, 10, 11, 12

This course is designed to not only provide knowledge in various health areas, but also to guide students in mastering the skills **to use the knowledge they obtain**. Students will create personal meaning through practicing and applying essential life skills such as accessing valid information, decision making, analyzing influences, interpersonal communication, goal setting, and self-management. They will be encouraged to become critical consumers in Health, and to distinguish between reliable knowledge versus knowledge based on bias, misunderstanding, or desire for personal gain. To introduce concepts, students will first focus on essential life skills they will need to use in order to be contributing members of society and develop an overall well-being. In addition, students will study social/emotional/mental health, nutrition and physical activity, reproductive health and healthy relationships, and drugs and alcohol. Students will be trained in hands-only CPR as is required by the State of Michigan. Students will write, present ideas to the class, collaborate, set goals and advocates for themselves and a healthier community.

Miscellaneous

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
LINKS	N53	10-12	Elective	
Student Assistant Program	N54	11-12	Elective	

N53 LINKS **1/2 credit**
One semester, Basic to Intermediate level of difficulty Grade: 10, 11, 12
(9 grade POPS participants (with approval from POPS advisor)

LINKS is a course designed to give students hands-on experience, working with students with an Autism Spectrum Disorder (or in some cases another disability). A student enrolled in LINKS will be a mentor, role model, and friend to a student with ASD. He/She will assist the student in such things as being a meaningful member of a pair or group, appropriate classroom behavior, organization of assignments and supplies, and focusing on classroom instruction. The LINKS student will be with his/her assigned student every day in their assigned class to help them socially, academically, behaviourally and with independence skills. Students will be expected to complete assignments and readings outside of class to gain a greater understanding of Autism Spectrum Disorders and other disorders. Assignments and projects will be designed for application of that knowledge. The LINKS student will also attend case conferences to discuss the progress of his/her assigned student, and contribute ideas on how to more effectively help their student progress. Various activities and opportunities to socialize in and out of school will be planned for each semester. The LINKS class assists students in their consideration of a career in the Human Services Career Pathway. The course will count as a general elective.
Application and Approval required for enrollment. See Mrs. Nutt in Room 1106 to pick up an application packet.

N54 Student Assistant Program **1/2 credit**
One Semester, Basic to Intermediate level of difficulty Grade: 11, 12

Students enrolled in this course will receive instruction in teaching methods, classroom management, grading procedures and strategies used in the classroom. Then they will be sent out to work in classrooms at the elementary, middle school or high school level to put their knowledge to use. Students will be graded on class assignments, time spent at placements, and will be evaluated by a "Community Teacher."
Prerequisite: minimum 2.0 grade point average

Special Education

The Special Education Department offers programs and services for those students who qualify as having a handicapping condition under IDEA. Selection of courses is made by the student, parent, teacher, and guidance counselor. Students who are eligible, or who feel they may be eligible for special education service, should contact a special education teacher, guidance counselor, or administrator before making schedule decisions.

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement	NCAA Approved
LCCE Health	S30	9-12	Health/PE/Elective	
LCCE English Language Arts A/B	S31 A&B	9-12	Elective	
LCCE Social Studies	S33	9-12	Elective	
LCCE Science	S34	9-12	Elective	
LCCE Math A/B	S35 A&B	9-12	Elective	
Resource Language Arts 9 A/B	S41 A&B	9-12	English 9	Yes
Resource Language Arts 10 A/B	S42 A&B	10-12	English 10	Yes
Resource Language Arts 11 A/B	S43 A&B	11-12	English 11	Yes
Resource Algebra I A/B	S44 A&B	9-12	Algebra I	Yes
Resource Math Geometry A/B	S46 A&B	10-11	Geometry	Yes
Resource Consumer Math	S45	11-12	Math Elective	
Resource Directed Study – ASD	S49	9-12	Elective	
Resource Community Site Based Voc Training	S51 A&B	11-12	Elective	
Resource Directed Study	S54	9-12	Elective	
Resource Algebra II A/B	S56 A&B	11-12	Algebra II	Yes
Categorical Language Arts EI A/B	S60 A&B	9-12	English Elective	
Categorical Math EI A/B	S61 A&B	9-12	Math Elective	
Categorical Science EI A/B	S62 A&B	9-12	Elective	
Categorical Social Studies EI A/B	S63 A&B	9-12	Elective	
Categorical Directed Study EI	S64	9-12	Elective	
Targeted Instruction	S69	9-12	Elective	
Categorical Language Arts ASD A/B	S70 A&B	9-12	English Elective	
Categorical Math ASD A/B	S71 A&B	9-12	Math Elective	
Categorical Directed Study ASD	S74	9-12	Elective	
Categorical Independent Living A/B	S75 A&B	9-12	Elective	
Adaptive Physical Education	S69	9-12	PE/Elective	
Adaptive Exploratory Arts	S90	9-12	Visual Performing Arts/Elective	

S30 LCCE HEALTH **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This course provides units on nutrition, exercise, human reproduction, first aid, accident prevention, money management, job hunting, substance use and abuse. Students will experience direct instruction, group and individual activities, field trips, guest speakers, videos, and problem solving activities.

S31 LCCE English Language Arts A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Through the LCCE Language Arts curriculum students will understand their responsibilities in communicating with others by effectively developing their reading and writing skills.

S33 LCCE Social Studies – Geography **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This is a special education geography course designed to give students life skills for living in Grand Haven and surrounding communities

S34 LCCE Science **1/2 Credit**
One Semester, Basic Level of Difficulty Grade: 9, 10, 11, 12

This course is designed to provide students with real-life applications in the sciences. Students will gain a basic understanding of the scientific method and how we use it in our day to day lives. They will study topics spanning Life Science, Earth Science, and Physical Science.

S35 LCCE Math A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

This is a special education math class that teaches math skills through daily living activities.

S50 Resource Work Experience **1/2 credit**
One Semester, up to one year, Basic level of difficulty Grade: 11, 12

This course is for students who benefit from a non-traditional classroom setting. It is also to gain volunteer work experience within the school setting. Students are working with maintenance staff in the cafeteria following lunches. Students clean, break down, and prepare the cafeteria for the following day.

S51 Resource Community Site Based Vocational Training A & B **1 credit**
One Semester**,** up to one year, Basic level of difficulty Grade: 11, 12

Students are placed at a variety of local businesses to be trained in specific job skills and to learn employability skills. Student trainees are regularly supervised by school personnel.

S41 Resource Language Arts 9 A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

This course is comparable to English 9 A & B. The focus of this course is writing and literature. Students can expect to read and write short stories, read a novel and develop MLA research skills. Students can also expect to read The Odyssey, Romeo and Juliet, and informational text as well as analyze various forms of poetry and contemporary novels. Video and audio tapes will also be used.

S42 Resource Language Arts 10 A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 10, 11, 12

This course is comparable to American Literature and Composition A & B, in which students develop skills in reading and literature interpretation, as well as skills in organizing and writing well-constructed essays. The students will become familiar with common themes in American literature such as the individual's role in relation to the government, integrity, equality, dreams and visions. Contemporary novels, reading informational text, and video/audio tapes will be used.
Prerequisite: Must have passed Resource Room Language Arts 9

S43 Resource Language Arts 11 A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 11, 12

This course is comparable to World Literature and Composition A & B. The focus of this course is on contemporary issues through literature in Asia, Africa, Europe, and South America. Contemporary novels, reading informational text, and video/audio tapes will be used**.** Graduation Requirement Code B11
Prerequisite: Must have passed Resource Language Arts 9 and 10

S44 Resource Algebra I A & B (Applications, Equations and Graphs) **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12 per IEPC

This course involves math in real-life applications. Students will make connections to Algebra, learn properties of real numbers, solve and graph linear equations and functions as well as write, solve and graph linear inequalities in Section A. Section B provides opportunities to write, solve and graph systems of equations and inequalities, work with exponents and functions, and factor polynomials. This is a required course for high school graduation and is for Special Education students only.

S46 Resource Math Geometry A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 10, 11

This course involves math in real-life applications. Students will learn basic geometry using reasoning and proofs with properties of lines, triangles and quadrilaterals in Section A. Section B covers transformation of shapes, similarities in shapes, trigonometry functions, area, surface area and volume of 3 dimensional objects. This is a required course for high school graduation and is for Special Education students only. **Prerequisite: Successful complete of Algebra A & B**

S56A Resource Algebra II A **1/2 credit**
One Semester, Basic level of difficulty Grade: 11, 12 per IEPC

This is an individualized Special Education course that will cover the Power Expectations of Algebra II at a slower pace. Part A will review concepts taught in Algebra I and build skills to solve systems of equations with two or more variables.
Prerequisite: Successful completion of Algebra I & Geometry

S56B Resource Algebra II B **1/2 credit**
One Semester, basic level of difficulty Grade: 11, 12 per IEPC

This course will be a combination of algebraic processes and practices, organizing and displaying data through projects and developing a personal strategy of money management and investment.
Prerequisite: Successful completion of Algebra I, Geometry & Algebra IIA

S49 Resource Directed Study – ASD **1/2 credit**

S54 Resource Directed Study **1/2 credit**
One Semester, up to one year, Basic level of difficulty Grade: 9, 10, 11, 12

Individualized instruction may be given in some of the following areas:

- study techniques -composition and editing skills
- organizational skills -report writing (including citing of works, time management and bibliographical entries)
- reading comprehension -mathematics instruction
- prewriting -social skills
- problem solving -goal setting
- proficiency test preparation -transition

Students **will be** required to keep an assignment book and get weekly progress reports.

S60 Categorical Language Arts EI A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Individualized Language Arts class is designed to improve student's abilities in the areas of reading, writing, comprehension, oral language, and grammar. The course offers a wide variety of activities and many opportunities to work alone and in a variety of group sizes. The goal of this class is to offer support while students work at their own pace and choose from an assortment of activities that interest them. The students will be reading novels, writing a variety of stories and reports, and working on the parts of speech along with the writing mechanics. This course will hopefully encourage students to read and write for enjoyment.

S61 Categorical Math EI A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

The instruction in this class begins at the instructional level of the student. The teacher determines this level at the beginning of the school year. Each student determines the pace of the class based on their mastery of the subject. Topics taught include Pre-Algebra, Algebra I, and Geometry.

S64 Categorical Directed Study – EI **1/2 credit**
One Semester, up to one year, Basic level of difficulty Grade: 9, 10, 11, 12

Individualized instruction may be given in some of the following areas:

- study techniques -composition and editing skills
- organizational skills -report writing (including citing of works, time management and bibliographical entries)
- reading comprehension -mathematics instruction
- prewriting -social skills
- problem solving -goal setting
- proficiency test preparation –transition

Students **will be** required to keep an assignment book and get weekly progress reports.

S70 Categorical Language Arts ASD A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

Individualized Language Arts class is designed to improve student's abilities in the areas of reading, writing, comprehension, oral language, and grammar. The course offers a wide variety of activities and many opportunities to work alone and in a variety of group sizes. The goal of this class is to offer support while students work at their own pace and choose from an assortment of activities that interest them. The students will be reading novels, writing a variety of stories and reports, and working on the parts of speech along with the writing mechanics. This course will hopefully encourage students to read and write for enjoyment.

S71 Categorical Math ASD A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

The instruction in this class begins at the instructional level of the student. The teacher determines this level at the beginning of the school year. Each student determines the pace of the class based on their mastery of the subject. Topics taught include Pre-Algebra, Algebra I, and Geometry.

S74 Categorical Directed Study ASD **1/2 credit**
One Semester, up to one year, Basic level of difficulty Grade: 9, 10, 11, 12

Individualized instruction may be given in some of the following areas:

- study techniques -composition and editing skills
- organizational skills -report writing (including citing of works, time management and bibliographical entries)
- reading comprehension -mathematics instruction
- prewriting -social skills
- problem solving -goal setting
- proficiency test preparation -transition

Students **will be** required to keep an assignment book and get weekly progress reports.

S75 Categorical Independent Living A & B **1 credit**
Two Semesters, Basic level of difficulty Grade: 9, 10, 11, 12

This classroom offers five major areas of learning: independent living, vocational skills, community integration, and cognitive skills. The overall objective is to increase independence for the student in his/current and future living environment. This includes personal health care, housekeeping, shopping, cooking, and job skills.

S69 Targeted Instruction **1/2 Credit**
One Semester, up to one year, Basic Level of Difficulty Grade: 9, 10, 11, 12

This course is designed to utilize small group and individualized instruction to work on specific IEP goals and objectives. It is completely individualized based on the needs of the students in the class.

S89 Adaptive Physical Education **1/2 credit**
One Semester, Basic Level of Difficulty
Grade: 9, 10, 11, 12

This is a Physical Education class for special education students who are earning a certificate of completion.

S90 Adaptive Exploratory Arts **1/2 credit**
One Semester, Basic level of difficulty Grade: 9, 10, 11, 12

This course is a combination of Art and Culinary Arts.
It provides opportunities for students to explore different areas of artistic expression such as cultural art, different art movements throughout history, and individual artists. It will also provide instruction to help students to independently prepare simple meals by following a recipe, learn kitchen safety and sanitation, different food groups, and explore careers in this area. Students will experience direct instruction, group and individual activities, field trips, and guest speakers when appropriate, videos, and problem solving.

Careerline Tech Center

Graduation Requirement Code: Varies based on the program chosen, check with your counselor. **3 Credits**
One year, Intermediate level of difficulty
Grade: 11, 12

Careerline Tech Center (CTC) provides career education to juniors and seniors in high school and offers the opportunity for students to gain skills and/or prepare for post-secondary education in one of 31 programs. Tech Center classes are free. Programs are offered Monday through Friday and students attend for a half-day either in the morning or the afternoon. Interested students and parents can get more information on Careerline Tech Center by visiting the website at www.oaisd.org/ctc.

Each year, CTC has an open house in October and again in February for parents and potential students to visit the programs and talk with instructors. CTC has articulation agreements with area colleges and universities. Those agreements give students the chance to earn college credit while still in high school. Direct college credit may be an option for some students. Early college options allow students to enroll, while at CTC, as a college student. All work is completed at CTC and is part of the standard curriculum. College credit is earned and placed on a transcript to follow students to the college of their choice upon high school graduation.

While Tech Center credit is earned as electives, most Tech Center programs offer students the opportunity to receive other core required credits. All academic credits may not be available in all programs. Check with your high school counselor.

Careerline Tech Center's 31 programs are organized by pathways, broad groupings of careers that share similar characteristics and whose employment/education requirements call for many common interests, strengths, and competencies.

APPLICATION PROCEDURE:

- Fill out a Careerline Tech Center application with your parent/guardian. Application available online.
- Discuss a program choice with parents and obtain parent/guardian signature.
- Turn in the application to Student Services.
- It is strongly recommended that students attend a tour of the Careerline Tech Center.
- Selection for a program will depend on a number of factors including: date application is submitted, attendance and academic readiness, level of interest and whether student is on track for graduation.

CAREERLINE TECH CENTER PROGRAMS

Advance Healthcare
Agriculture/Animal Science
Auto Body Repair
Automotive Technology
Business Management
Construction
Cosmetology
Culinary Arts
Dental Careers
Diesel/Heavy Equipment Mechanics
Electrical/Alternative Energy
Emergency Medical Services
Engineering Design & Machine Technologies
Entrepreneurship & Global Business
Fire and Rescue
Graphic Design A
Graphic Design B
Health Careers/Certified Nurse Aide
Health Careers/Patient Care Tech
Health Careers/Phlebotomy
HVAC
IT: Network Security
Mechatronics/Robotics
Media Communications
Environmental Field Studies
Pastry Arts & Baking
Plumbing & Water Systems
Public Safety & Security Services
Software & Game Development
Teacher Academy
Welding

The Careerline Tech Center offers many opportunities for additional experiences:
https://www.careerlinetech.org/programs/pathways.