



Harper Creek High School

Freshman Elective Classes

2023-2024 Course Selection Book

The Harper Creek Board of Education approved for the 2020-21 school year, all courses listed in the course catalogs as traditional/seated courses to be adapted for the delivery in a virtual format, as discussed and reviewed.

July 13, 2020

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2023-2024 Contacts

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Letter from Principal

Students and Families:

The Harper Creek High School Core Course Description Guide offers a comprehensive listing of our school's core course offerings which have been designed as a varied and challenging academic curriculum. Careful planning and selection of courses are important to the successful growth and achievement of academic goals throughout a student's high school career.

All students will need to successfully meet the requirements for graduation listed hereafter. It is important for students to develop a multi-year plan for their courses developed around, and consistent with, their Educational Development Plan (EDP). This plan is first developed in middle school and should be reviewed and revised each year prior to selecting courses.

Harper Creek High School's primary goal is to provide our students with the skills and competencies needed to be successful citizens and workers in a technological, multi-cultural and dynamic society. This goal can best be achieved through a collaborative partnership with students and families in rigorous pursuit of high levels of achievement. To do this, students must pass courses in which they are enrolled so that all course options are available to them in each of the following years. Families can support this need by monitoring that students are regularly attending all classes and completing assigned tasks. Successful passing of courses leads to more elective options, including Advanced Placement (AP) courses, advanced subject area courses, dual-enrollment, the Calhoun Area Career Center (CACC), the Battle Creek Area Mathematics and Science Center (BCAMSC), and more.

The elective courses that are taught each year are ultimately determined by how many students sign up to take them during the scheduling process. Due to staffing availability and class size limitations, it is essential that students select classes they intend to attend and complete. There should be no expectations that students can "try out" a class and expect to change it later.

Additionally, it is important for students and families to understand that a high school student cannot "drop" a class. Students are expected to be enrolled and attending a full schedule each semester of each year. If a student does not like a class or has lost the opportunity to earn credit in a class, it is the expectation that they are still required to attend and attempt their best effort.

The high school staff encourages thoughtful selection of courses that meets not only current interests, but prepares students for unknown opportunities and challenges in the future. While success in a rigorous high school curriculum cannot guarantee future success, it will most certainly enable opportunities beyond high school and help prepare our students for a future of their own choosing.

We look forward to the opportunity to partner with you in pursuit of your continued success, both individually and as a member of our learning community.

Ed Greenman, High School Principal

Graduation Requirements

[Regular Diploma](#)

Normally, a student will complete graduation requirements in four (4) years. In order to receive a diploma and graduate, a student will need to meet the school requirements for basic course work for their graduating class, and earn the total number of minimum credits. All seniors will be reclassified at the end of the first semester of their senior year.

A student enrolled in special education may be exempted from the State mandated-test. Such an exemption is made by the IEP Team. The student may still need to earn the required credits indicated by the IEP or in a personal curriculum. For more information about the different methods by which credits can be earned, refer to Policy 5460 in the Board Policy manual, a copy of which is accessible electronically at www.harpercreek.net.

Additionally, students will qualify for a diploma when they:

- meet the requirements for graduation through credits earned at HCHS in combination with those earned through the Battle Creek Math and Science Center, CACC or early college, if enrolled in these programs.
- Are in attendance full time at HCHS or enrolled in one of its combined programs.
- Have successfully completed 20 hours of community service. A student may begin accruing hours at the completion of their Junior year (June), not any earlier.

Subject Area

English 4 credits 2020 and after = 1 in last year

Social Studies 4 credits + 20 service hours

Science 3 credits

Math 4 credits 1 in last year

Physical Ed/Health (2 yrs Marching Band) 1 credit

Computers 1 credit

Fine Arts, Performing Arts, 1 credit

Vocational Education, Practical Arts

World Language Experience 2 credits

Electives- 11 credits Class of 2020

13 credits Class of 2021 and after

Total Credits to Graduate 31 class of 2020.

33 Class of 2021 and after

Any exceptions to the above must be approved by the principal. All graduation requirements cited are the minimum that will be accepted for eligibility for graduation. It is anticipated that most students will exceed these minimums.

Certificate of Achievement

Certificate of Achievement

Any student who has an IEP at the completion of his or her 12th grade year may receive a Certificate of Achievement in lieu of a diploma for successfully attending Harper Creek High School. While the criteria for earning the Certificate of Achievement are determined by the IEP, in consultation with teachers and parents, the following guidelines will apply:

English Language Arts 2-4 credits

Mathematics 2-4 credits

Science 2-3 credits

Social Studies 2-3 credits

Health & Physical Education 1 credit

Visual, Performing or Applied Arts 1 credit

World Language 0 credits

“On-line Learning Experience” 1 credit

Career Prep/Employability 1 credit

Grading Procedure/GPA

[Grades](#)

Harper Creek High School has a standard grading procedure, as well as additional notations that may indicate work in progress or incomplete work. The purpose of a grade is to indicate the extent to which the student has acquired the necessary learning. In general, students are assigned grades based upon test results, homework, projects, and classroom participation. Each teacher may place a different emphasis on these areas in determining a grade and will inform the students at the beginning of the course work. If a student is not sure how his/her grade will be determined, s/he should ask the teacher. The school uses the following grading system:

- A Outstanding 90%-100%
- B Above Average 80%-89%
- C Average 70%-79%
- D Below Average 60%-69%
- E Failing 0%-59%
- I Incomplete

Advanced Placement courses* are given the following additional weight provided students complete an AP course and AP exam. Students who complete Battle Creek Math & Science Center courses listed below, will also receive an extra grade point.

- A = 5.0
- B = 4.0
- C = 3.0
- D = 2.0
- E = 0

***This does not include AP support classes.**

Battle Creek Math & Science Center courses approved for 5.0 scale are:

- Analytical Chemistry
- Biotechnology 1 and 2
- Organic Chemistry
- Multivariate Calculus

Grade Point Average

To calculate a grade point average (GPA), assign a weighted point value to each course grade and divide by the total number of credits. For partial-credit courses use the fractional value of the grade. For example, a half credit course with an earned grade of C would be $.5 \times 2=1$. Then add this to the other grades earned for total points earned. This total is then divided by the total credits earned for the GPA. This can be done by grading period, semester, year, or for a series of school years.

Class Schedule Worksheet

To make your course selections for the next school year, select from the list of courses for which you qualify and those that align with your career pathway. Every student must be enrolled in five classes each semester. When making selections, pay attention to prerequisites and be sure to select enough classes to fill your school day for five blocks each semester. Most courses fill one block so

you would choose ten classes to fill your schedules. Starting with the class of 2020, all students must have an English credit during their senior year. Classes at the Calhoun Area Career Center and the Battle Creek Area Math and Science Center are equivalent to four blocks per school year. Begin by selecting your required courses and then fill in your electives.

9th Grade	10th Grade
English: English I	English: English II
Math: Algebra I	Math: Geometry
Science: Physical Science	Science: General Biology
Social Studies: American History/Geography	Social Studies: Civics/Econ
P.E.: Physical Education/Health OR Swim/Health	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Modified Block (40 minute):	Modified Block (40 minute):
Modified Block (40 minute):	Modified Block (40 minute):
11th Grade	12th Grade
English: English III/ Lit & Comp I	English: English IV/Lit & Comp II
Math: Algebra II	Math: Senior Math
Science: Physics or Chemistry or Material Chemistry	Social Studies: Senior Social Studies
Social Studies: World History/Geography	Elective:
Elective:	Elective:
Modified Block (40 minute):	Modified Block (40 minute):
Modified Block (40 minute):	Modified Block (40 minute):

Career Pathways

What are the Six Career Paths?

Might this Career Path be for you?

Arts and Communication:



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

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

Business, Management, Marketing and Technology:



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

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

Engineering/Manufacturing and Industrial Technology:



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

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

Health Sciences:



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

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

Human Services:



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

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

Natural Resources and Agriscience:



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

Are you a nature lover? Are you practical; curious about the physical world; interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in the environment? This may be the career path for you!

Career Pathways

Career Categories	Courses in School	Sample Careers
<p><u>Arts and Communication:</u></p> <p>Advertising Public Relations Creative Writing Film Production Foreign Languages Journalism Radio and TV Broadcasting</p>	<p>Journalism Language Arts Photography Communications Art Marketing Music</p>	<p>Public Relations Executive Dancer Film Producer Fashion Designer Journalist Radio and TV Broadcaster</p>
<p><u>Business, Management, Marketing and Technology:</u></p> <p>Accounting Office Admin. Entrepreneurship Economics Management Marketing Sales Finance Computer Support</p>	<p>Math Language Arts Computer science General Business Marketing Accounting</p>	<p>Loan Officer Economist Legal Secretary Hotel Manager Office Manager Salesperson Computer Programmer Travel Agent</p>
<p><u>Engineering/Manufacturing and Industrial Technology:</u></p> <p>Architecture Precision Production Construction Drafting Manufacturing Technology Mechanics and Repair Engineering</p>	<p>Physical Science Robotics Physics Engineering Math Engineering Design Architectural Design</p>	<p>Architect Plumber Electrician Geographer Air Traffic Controller Auto Mechanic Chemical Engineer Draftsman Surveyor</p>
<p><u>Health Sciences:</u></p> <p>Dentistry Medicine Nursing Nutrition and Fitness Therapy and Rehabilitation</p>	<p>Language Arts Math Science Physics Chemistry Nutrition Anatomy and Physiology</p>	<p>Dentist Dental Hygienist Doctor Nurse Respiratory Therapist Physical Therapist</p>
<p><u>Human Services:</u></p> <p>Education Child and Family Services Law and Legal Studies Law Enforcement Cosmetologist</p>	<p>History Language Arts Psychology Culinary Arts Parenting</p>	<p>Chef Teacher Lawyer Police Detective Social Worker Firefighter Cosmetologist</p>
<p><u>Natural Resources and Agriscience:</u></p> <p>Agriculture Horticulture Forestry Earth Sciences Life Sciences Environmental Science Animal Health Care Wildlife Management</p>	<p>Math Environmental Science Chemistry</p>	<p>Farmer Conservation Agent Oceanographer Chemist Landscaper Physicist Marine Biologist Forester</p>

Testing Out Policy

Testing Out

In accordance with Michigan State Law, Harper Creek Community Schools provides high school students with the opportunity to “test out” of Michigan Merit Curriculum required courses. Students who have demonstrated “Advanced” or “College Ready” designation on recognized MME assessments (see below) and then earn a qualifying score on a Harper Creek Community Schools Test-Out Assessment receive credit for the equivalent course. Credit earned through this route shall be designated on the student’s transcript solely as “T” – credit earned through testing out and shall not be included in a computation of grade point average nor counted toward the total required credits for graduation for any purpose. Likewise, students who attempt to test out of a course and do not earn a qualifying score will not receive credit for the course.

A score of 77% on the HCCS Test-Out Assessment is considered a passing grade. An unsuccessful attempt to test out of a course will not impact the student’s grade point average for any purpose and will not be noted on the student’s transcript. However, a student may not retake the test nor appeal the test results and will need to take the course in the traditional manner in order to receive credit for the course.

Students cannot take or enroll in a lower course sequence in the same CORE curriculum area as the course for which they “tested out”.

Testing Out applications are due to the Main Office by the first Wednesday of December for tests to be given the second week of December and the first Wednesday of May for tests to be given the second week of May.

Students who have been enrolled in a course shall also earn credit for a course in which they have demonstrated “Advanced” designation on recognized MME assessments (SAT, PSAT, MSTEP) and then earn a 77% score or higher on a final exam/assessment for the course. If the combined averages of the term grade and the exam/assessment grade do not exceed a passing grade of 60%, the student transcript will reflect the “E” grade and shall be used in computation for grade point average, however the credit earned shall be designated as a “T” – credit earned through testing out.

For purposes of all Test-Out options aforementioned, recognized MME assessments include the PSAT and SAT - the state assessments in English Language Arts and Math - and the MSTEP - the state assessments in Science and Social Studies. “Advanced” status shall be earned in the content specific to the course desiring to Test-Out of for Science or Social Studies on the MSTEP; or “College Ready” status on the Math PSAT/SAT for courses related to Math and Science; or “College Ready” status on the Evidenced-Based Reading and Writing for all other courses.

Postsecondary- Dual Enrollment Options

Postsecondary-Dual Enrollment Options

Any student in 9th, 10th, 11th, or 12th grade may enroll in a postsecondary (dual) enrollment program providing s/he meets the requirements established by law and by the District. Any interested student should contact his/her counselor to obtain the necessary information. Students are assisted in finding courses, completing applications, and looking up credit transfer information.

Harper Creek High School has included these required considerations to establish the following guidelines for students and for dual enrollment courses. These include, but are not limited to the following:

- Principal approval.
- The student is ready for a college experience.
- Students are responsible for their own transportation.
- Students are on track for attaining credits towards graduation as expected.
- Student attendance records do not indicate a history of truancy (more than 10 days).
- Students must have received a qualifying score on at least one of the following tests: MME, ACT, SAT, PSAT or Next Generation.

Additionally:

- Dual enrollment courses may not replace any courses required or offered by Harper Creek High School. An exception to this is if administration determines there is a scheduling conflict beyond the student's control.
- The dual enrollment course may not be in the subject area of physical education, theology, divinity, or religious education; hobby and recreational courses are prohibited as well.
- Students must take all state and district assessments during scheduled times. This includes, but is not limited to, the M-STEP, PSAT, SAT and final exams.
- If students have previously failed a dual enrolled course, the cost of the course must be paid back before you are eligible to take another.
- The HCHS schedule takes priority over dual enrolled courses. Should a dual enrolled course conflict with a HCHS schedule, it is the student's responsibility to adjust their dual enrolled courses. If students need assistance adjusting dual enrolled schedules, they must contact their college advisor. This also includes planning for post-secondary transferable credits.

There is an allotted amount that HC will pay for the dual enrolled course. Should your course exceed that amount, the student is responsible for the remaining balance. Students who fail to successfully complete their dual enrolled course, drop the class after the college deadline, or fail the class outright, will be responsible for the cost of all expenses related to the class. All students will be expected to return to Harper Creek any books or materials and supplies that the district paid for at the end of each class.

Any student wishing to dual enroll must complete a Harper Creek High School Dual-Enrollment form prior to taking any courses. It should be understood that the final grade will be determined by the post-secondary institution. Additional grading and other information is available on the Harper Creek High School Dual-Enrollment form.

Online/ Blended Learning Program

Online/Blended Learning Program

The Board of Education recognizes the need to provide alternative means by which students achieve the goals of the District.

An optional plan to meet the recognized educational needs of a student shall be approved by the Superintendent. The Superintendent shall prepare a plan of educational options for use in meeting special needs.

Such options may include, but not be limited to, tutorial programs, independent study, correspondence courses, educational travel, mentorship programs, summer school, early college entrance, internet, digital broadcasting, or satellite course work offered by the school or any regionally accredited college or Michigan Virtual High School (MiVHS).

Credit may be granted to the student upon complete evaluation of the program. The credit shall be placed on the student's transcript. The amount of credit counting toward graduation shall comply with the District graduation requirements.

The Superintendent shall establish administrative guidelines whereby each educational option is properly analyzed, planned, and implemented and complies with all applicable requirements of the State.

Harper Creek High School partners with Michigan Virtual High School to provide online-courses, offered in .5 credit and 1 credit lengths. Students interested in MiVHS classes should be self-motivated learners who are competent in computer/internet skills and able to manage their time well. MiVHS courses must be selected and scheduled the same time as other courses, and students are expected to maintain consistent communication and contact with their assigned HCHS staff member regarding their progress in the MiVHS coursework.

Battle Creek Mathematics and Science Center

[Battle Creek Area Mathematics and Science Center \(BCAMSC\)](#)

The Math/Science Center is located at 171 W. Michigan Avenue in Battle Creek. It provides programs (half-day schedule), to 9th and 10th grade students in the morning, and 11th and 12th students in the afternoon. Harper Creek High School students who are accepted may attend during each year of high school. Students who attend off-site classes need to abide by the off-site campus schedule and not Harper Creek's schedule except in cases as determined by Harper Creek administration, including state mandated testing. For more information, contact the Math and Science center directly at **269-965-9440**.

Address: 171 Michigan Ave, Battle Creek, MI 49017



Calhoun Area Career Center (CACC)

[Calhoun Area Career Center \(CACC\)](#)

The Calhoun Area Career Center is located at 475 E. Roosevelt in Battle Creek and is designed to be an extension of several area high schools. 11th and 12th grade students are eligible for the programs which predominately follow a half-day morning schedule and may run for a semester, a year, or two years. The CACC staff will provide information and tours to students in the 2nd semester of 10th grade. Bus transportation is provided to and from the Harper Creek High School.

Information on scheduling, openings, hours, and application procedures can be obtained from the Guidance Office, or by contacting the CACC at **269-968-2271**.

Address: 475 E Roosevelt Ave, Battle Creek, MI 49017



Academically Talented Youth Program

[ATYP—Academically Talented Youth Program WMU](#)

Students who participate in the ATYP at WMU are eligible for high school credits. Each student received 1 credit per semester for ATYP. Credits for ATYP taken in middle school are applied after the first semester of the 9th grade year. See your counselor for more information.

Michigan Seal of Biliteracy

[Michigan Seal of Biliteracy](#)

The Michigan Seal of Biliteracy is an award presented to students who have demonstrated proficiency in English and at least one other world language by high school graduation.

Mission Statement

The mission of Harper Creek High School is to develop respectful, responsible and reasonable citizens who are life long learners.

Program Selection and Parent Involvement

The staff and administration of Harper Creek High School encourage parents to work with their student to develop a four-year plan for high school that will help the student attain his/her educational and career goals. The world that our students will enter is very different from the one we entered as high school graduates and we must strive to educate, empower and equip our students for a future that is dynamic and ever-changing. Although the traditional four-year college education is required for about a fifth of the jobs in the current labor market, labor statistics indicate that more than half of the available 21st century jobs will require training beyond high school. Our students must be prepared to succeed in post-secondary training.

Good planning in high school is an important aspect of that preparation.

Standardized Tests

The **PSAT/NMSQT** (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test) is administered to 10th and 11th grade students each fall. 9th grade students also take the PSAT 8/9 for additional practice. The tests are given in October and again in April to monitor student growth and academic achievement. All students will conclude their Michigan Merit Examination in their 11th grade year by completing the SAT and the M-STEP.

The state-mandated **M-STEP** summative assessment, also taken in the spring of 11th grade, consists of English Language Arts, Mathematics, Science and Social Studies. This test is required for graduation.

The **NWEA** offers state-aligned, computerized adaptive tests, called Measure of Academic Progress (MAP). These tests accurately reflect the instructional level of each student and measure growth over time. NWEA offers MAP tests in the subjects of Mathematics, Reading, Language Arts and Science. The NWEA test is administered three times per school year, fall, winter and spring.

Art

Art education encourages students to think spatially, be observant, recognize patterns, and communicate through visual representation. Involvement in art is exciting, creative, and enjoyable. Understanding and participating in the art process is the beginning of cultivating a life long appreciation and interest in viewing, producing, and analyzing visual art. The careers and new technology impacting the art field are reflected in everyday life. It is Expression!

Art I

This course is designed for the beginning student as an introduction to the technical aspects of art. Students will develop skills in drawing techniques, various painting and color approaches, sculpture, printmaking and evaluation. Aesthetic awareness will be introduced through the study of American artists and the different elements of art will be developed through two and three dimensional work.

Prerequisite: None

Art II

This course is designed for the beginning student as an introduction to the technical aspects of art. Students will develop skills in drawing techniques, various painting and color approaches, sculpture, printmaking and evaluation. Aesthetic awareness will be introduced through the study of American artists and the different elements of art will be developed through two and three dimensional work.

Prerequisite: None

Three Dimensional Art

This class is designed to introduce students to a cultural and historical approach to various 3 dimensional art and resources. Exploring areas in ceramics, papermaché, metal tooling and textile arts will emphasize craftsmanship, design and color. These units are constructed to develop knowledge of various tool techniques and materials associated with each individual project. There may be an art/supply fee.

Prerequisite: Art I

Art Appreciation/History - *if interested please talk to your counselor.

This course is designed to provide an overview of art through the ages. Students will develop a historical view of art and an appreciation for different artistic styles and movements. This course will include 3 museum field trips, 3 exploratory projects and 3 or more reports on artists, styles, and historical significance.

Prerequisite: Art I

Business

Courses in the business department give students the opportunity to learn correct keyboarding skills, learn the principles of business law, acquire a working knowledge of accounting principles, and explore the world of work. Students can explore or prepare to enter the job market.

Accounting I

(counts as senior year math-related class)

This course introduces basic accounting principles for a business. Topics include the complete accounting cycle with end-of-period statements, bank reconciliation, payrolls and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization. The use of accounting software and business communication will also be introduced. This course is a must take for anyone interested in majoring in business or marketing in college. **Prerequisite: None**

General Business

(counts as senior year math related class)

General Business is an elective course utilizing a common text, cooperative learning, and group presentations to give both college-bound and non-college bound students a general understanding of the American business system.

Prerequisite: None

Personal Business Law- **if interested please talk to your counselor.*

This course will give students basic knowledge of the principles of business law as they relate to one's personal affairs and to the business world. Course content includes: legal system, contracts, employment laws, insurance, and property ownership. Students are expected to keep a notebook.

Prerequisite: None

Computers

Computers and computerized technology permeate our society at work, at home, and at leisure. In order to help students become more comfortable with technology, the district requires one credit in computers for graduation. Currently students can earn that credit by successfully completing computer literacy, computer usage, or the technology credit available through enrollment at the Battle Creek Area Math and Science Center.

Computer Literacy

(1 computer credit required, may be used for computer credit)

This course is designed to introduce students to computer applications (Access, Excel, Internet, Movie Maker, Photoshop, Publisher, PowerPoint, Word Processing), Along with these we cover terminology, functions, the historic development of computerized equipment and its impact on society. This course is required for graduation.

Prerequisite: None

Computer Usage

(1 computer credit required, may be used for computer credit)

This course is designed for slower typing students and students who have had little to no computer experience. This course is designed to introduce students to computer applications (Access, Excel, Internet, Movie Maker, Photoshop, Publisher, PowerPoint, Word Processing), Along with these we cover terminology, functions, the historic development of computerized equipment and its impact on society. This course is required for graduation.

Prerequisite: None

Cybersecurity

This course is designed to increase the awareness of cybersecurity by delivering a basic cybersecurity education in a competitive format that enhances leadership, communication, and cooperation skills among its students. Students will have the opportunity to participate in the CyberPatriot competition created by the United State Air Force. CyberPatriot is the National Youth Cyber Education Program created by the Air Force Association (AFA) to inspire students toward careers critical to our nation's future.

Prerequisite: None

Exploring Computer Science (ECS)

(1 computer credit required, this course may be used for computer credit)

This course is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. *Topics include—Human and computer interaction, problem solving, web design, introduction to programming, computing and data analysis, and robotics.*

Prerequisite: None

Computers

Digital Multimedia and Publishing

This course is an introduction to graphic design, digital photography, web design, video production, multimedia presentations, animation and audio production. The software covered in class includes the Adobe CC suite (Photoshop, Illustrator, Premiere Pro, After Effects, Animate, Dreamweaver and InDesign). Also the Apple digital media tools are covered (iMovie, Photos, GarageBand and Keynote).

Prerequisite: Computer Literacy or approved equivalent.

Web Graphics and Design

This course will cover web site design, creating web graphics, and various topics related to planning, building and using web sites. The Adobe CC (Dreamweaver, Photoshop, Illustrator, Animate, etc.) software will be covered and used in this class. Some of the topics that will be covered include HTML5 and CSS3, making web graphics, digital photo editing, web site planning, web animation, web video, web audio, ethical and legal issues relating to web sites, and sharing web sites online.

Prerequisites: Computer Literacy and approved equivalent.

Digital Video Production

This course will cover digital video production in-depth. Topics will include digital video editing using the iMovie and Adobe Premiere Pro software, multimedia projects, planning and writing for video production, audio production, microphone skills, tripod skills, videography, photo and graphics editing for video, lighting skills, studio skills, video for the web, green screen and special effects, and legal issues related to video production. The course will utilize the Mac multimedia lab and the Broadcast Studio. Student projects may include commercials, Public Service Announcements, educational videos, sports videos, school highlight videos, HCTV news productions, and other school videos.

Prerequisites: Computer Literacy or approved equivalent along with the approval of the instructor.

Intro to Programming and Coding

Computers have transformed both the world and the workforce in many ways. In order for students to be prepared for careers in the 21st century, students must have a clear understanding of the principles and practices of computer science. This course will introduce the fundamental concepts of computer science, computational thinking and problem solving. An introduction to coding using languages such as, HTML, CSS, JavaScript and Python will be presented. Students will use their coding skills to create animations, stories, games, apps, webpages, and videos.

Family and Consumer Sciences

Family and Consumer Science Education is workforce education which focuses on the quality of life for families and their individual members. It assists students in developing transferable skills that assure success in family, work settings, and the community. Students are prepared for balancing the multiple roles of family members, worker, and citizen.

Culinary Arts- *if interested please talk to your counselor.

(counts as senior year math related class)

This class is designed for the student interested in the food industry as a career, or interested in developing food preparation skills. Students will learn the fundamentals of measuring, basic preparation techniques, equipment and utensil usage, recipe modifications, and employability skills. You must be a senior to receive math credit.

Prerequisite: None

Family Living

Family Living will teach students communication skills in a family setting, analyze dating practices which might lead to long term commitments, marriage customs, traditions, and family challenges. Students will be introduced to community resources which can help in everyday problems. Students will develop a family newspaper and scrapbook with information from each chapter reflecting the student's background and heritage.

Prerequisite: None

Life Skills- *if interested please talk to your counselor.

This class focuses on developing personality, character, self-esteem and working relationships. The importance of health and wellness, as well as employability skills will also be examined.

Prerequisite: None

Nutrition

This course assists students in understanding how their environment, food availability, technology, time, and lifestyle affect their food choices. Students will practice comparisons of recipes to incorporate healthier options. Emphasis is placed on helping students understand dietary needs throughout life. This course is vital in giving students the nutritional information and chemical composition of foods and how that relates to wellness.

Prerequisite: None

Parenting

This class is devoted to learning the techniques of child care. Students will study the life of a child from the prenatal stage through the adolescent years in terms of physical, mental, social, and emotional development. A two week unit is included on reproduction and contraceptive methods. Parents will be notified prior to this and will have the option of excluding their student from this unit. A preschool observation is planned, set up, and carried out by students for children in the community. Students will work with elementary children in the community to develop an understanding of their abilities and needs.

Prerequisite: None

Family and Consumer Sciences

Future Educator Exploration

This course is designed to introduce and encourage Harper Creek students, beginning early in high school, to look toward a future in the educational field through study, as well as through practical classroom experience and cadet teaching, all with a certified teacher in attendance. Curriculum resources and virtual course units from the Michigan Department of Education will be used to keep the experience current and relevant to today's educator workforce needs and requirements. Youth will be encouraged to explore classrooms and instruction prior to attending Career Education Academy and/or college courses for teachers. **Prerequisite: None**

Foreign Language

Students are encouraged to study at least two years of a single foreign language in high school. Please note that passing the middle school proficiency test does not fulfill college entrance requirements.

French I

Students should have an interest in understanding, speaking, reading, and writing French, and learning about francophone cultures. Students should have good English skills (grammar) and be willing to participate with a positive attitude. Homework and practice outside of class are required every day. Some projects may be done in French.

Prerequisite: None

French II

French II is a continuation of French grammar and vocabulary development in the four skills: reading, writing, speaking, and listening. French cultures are studied. Some projects may be done in French. Students learn some of the nuances of language and culture. The goal of this class is communication in French. Nightly practice is recommended.

Prerequisite: C or higher in French 1

French III

French III is a continuation of French grammar and vocabulary development in the four skills: reading, writing, speaking, and listening. French cultures are studied. Some themes, speeches, plays, and projects may be done in French. The goal of this class is communication exclusively in French.

Prerequisite: C or higher in French II

Foreign Language

Spanish I

Students should have an interest in understanding, speaking, reading and writing Spanish, and learning about Hispanic cultures. Students should have good English skills (grammar) and be willing to participate with a positive attitude. Homework and practice outside of class are required every day. Some projects may be done in Spanish.

Prerequisite: None

Spanish II

Spanish II is a continuation of Spanish grammar and vocabulary development in the four skills: reading, writing, speaking, and listening. Hispanic cultures are studied. Some projects may be done in Spanish. Students learn some of the nuances of language and culture. The goal of this class is communication in Spanish. Nightly practice is required.

Prerequisite: C or higher in Spanish I

Spanish III

Spanish III is a continuation of Spanish grammar and vocabulary development in the four skills: reading, writing, speaking, and listening. Hispanic cultures are studied. The second half of this class is conducted exclusively in Spanish. The goal of this class is communication in Spanish.

Industrial Technology

Many of today's jobs and future jobs are going to require technological skills. The Industrial Technology Department prepares students for careers, 1, 2, or 4 year degrees. We teach students current applications and skills in the technological field. We also teach them how to plan, organize, find technical information, and to learn and develop skills which are currently needed in our technological society.

Basic Auto Care

This course is for any students who intend to increase their: ability, knowledge, and skill in caring for and/or operating a motor vehicle. No previous experience with tools or vehicles is necessary. Students will be given vehicle life prolonging tips as well as minor repair and preventative maintenance techniques. This is a "hands-on" class. **Prerequisite: None**

Advanced Auto Care-*if interested please talk to your counselor.

This course is for those students who have successfully completed the Basic Auto Care class with C+ grade or higher. Theory, diagnosis and repair of a conventional brake system will be taught. Students are allowed to work on their personal vehicles if desired. This is a hands on class.

Prerequisite: Basic Auto Care

Design Exploration

Through hands-on, project-based learning, students will explore the design process and how it is used to solve engineering and architectural problems. Students will first be introduced to basic technical drawing techniques using a Computer Aided Drafting Design (CADD) program. Then students will gain basic architectural skills and create floor plans for residential structures. A team approach will be used to solve group design problems. This class prepares students for Engineering Design 1 and Architecture 1.

Prerequisite: None

Machine Woods

This class is part 1 of Woodlinks level 1. The class is an introduction into wood products manufacturing. The student will learn project planning, material estimating, safe use and application of hand tools, and use of stationary and portable power tools. The students will be required to do 3-4 required projects which will encompass various skills, processes, and techniques used in the construction, assembly and finishing of a product. The student will be introduced to CNC programming and the operation of a CNC router. This course is designed for the student who wants to learn basic woodworking skills, as well as those who are interested in pursuing a career in the wood products manufacturing.

Prerequisite: None

Language Arts

Drama and Theatre

This class provides students with a basic background in the theatre, as well as a chance to develop their performing and speaking/listening skills. Areas covered include history of theatre, improvisation, mime, characterization, monologues, group scenes, and analysis of drama. This class fulfills the fine and performing arts requirements, as well as readying students to participate in future theatrical experiences and Drama and Theatre II.

Prerequisite: None

Drama and Theatre II- **if interested please talk to your counselor.*

This class will allow students to apply theatre arts skills including performance and technical theatre. The class is entirely experiential. Students will be engaged in all facets of theatre arts and production.

Prerequisite: C or better in Drama and Theater or teacher approval.

Speech

This course will provide opportunities for students to develop their speaking and listening skills. Areas covered include interpersonal, interviewing, oral interpretation, and radio and television production in addition to formal speeches.

Prerequisite: None

Music

The Instrumental and Vocal Music Departments at Harper Creek offer opportunities for students to develop their skills and interest in music. Students will be exposed to many different styles of music ranging from pop to classical. Students are required to participate in all performances and festivals. The bands and choirs also travel from time to time to various festivals and performances. Past travel destinations have included Chicago, Toronto, Mackinaw Island, Cedar Point, and several other locations throughout the state of Michigan.

Marching Band

Members of the Marching Band must display dedication and respect to the overall goal of the program. This course requires attendance in co-curricular activities outside of the regular school day. These activities include, but are not limited to, public performances at all home football games, several marching band competitions and parades. Attendance at a weeklong band camp and evening rehearsals in August are also required. Students will perform in a regular concert band setting following the conclusion of the varsity football season.

9,10,11, 12 Prerequisites: Previous participation in band or audition

Concert Band

Concert Band is a band class designed for the developing instrumental musician. Admission open to any current band student or by audition and/or director's discretion. This course includes required public performances in concerts and MSBOA festivals. Students will perform a variety of genres of music from many different time periods. The ensemble will travel in the spring at the district and director's discretion; therefore fundraising is used to help defray the cost to the individual student. Students continued membership in the ensemble will be based on their performance, citizenship and attitude, as well as their participation in all classroom activities.

9,10,11, 12 Prerequisites: Previous participation in band or audition

Wind Ensemble

Wind ensemble is an audition only band available to any grade level. Admission will be based on instrumental skill, positive citizenship and a strong work ethic. The instructor may dismiss any student who does not demonstrate these qualities. This course includes required public performances in concerts and MSBOA festivals. Students will perform a variety of genres of music from many different time periods. The ensemble will travel in the spring at the district and director's discretion; therefore fundraising is used to help defray the cost to the individual student. Students continued membership in the ensemble will be based on their performance, citizenship and attitude, as well as their participation in all classroom activities.

9, 10, 11, 12 Prerequisites: Audition and/or Directors discretion

Music

Varsity Choir

This class is designed for students who enjoy singing and would like to have some exposure to public performance. Objectives for the class include learning to read music and developing vocal part singing abilities using a balance of sacred, secular, and popular music. A minimum of one concert will be performed each semester. Students are required to participate in all concerts scheduled by the director.

9, 10, 11, 12 Prerequisite: None

Jazz Pop Choir- *if interested please talk to your counselor.

The High School Jazz/Pop Choir is for high school students who wish to participate in a choir that focuses on jazz and pop music. The choir is audition only and students are expected to have a high level of dedication. Students will be expected to participate in concerts set by the director for various school and civic events. The class will teach you basic choral techniques and work to improve your ear and vocal abilities. Membership is by the director's discretion and students can be removed for not meeting the standards of the class. The choir will be taught basic music theory so that singers can understand what the music is asking them to do during performance. Students will not have after school rehearsals unless requested by the students.

9, 10, 11, 12 Prerequisite: None

Honors Choir

A student accepted into this class must demonstrate high levels of citizenship, positive attitude, and self-motivated study skills. The instructor may dismiss any student who does not demonstrate these qualities. Performances are required and will take place before, during, and after the regular school day. This ensemble will travel to a vocal competition every year at the district's and director's discretion. Fund raising is used to help defray the cost to the individual student. Therefore, students should plan to spend a significant amount of time outside of school to help the class reach its goals for the year.

9, 10, 11, 12 Prerequisites: Audition and/or Directors discretion

Treble Choir

Treble Choir is an audition only choir available to any grade level. Admission will be based on vocal skill, positive citizenship and a strong work ethic. Students will sing a variety of genre's of music from many different time periods. Performances will be required and will take place both, during and after, the regular school day. While performances and participation are the major part of the required grade in this class, members will also be required to learn basic sight reading and theory. There will be periodic testing to evaluate the progress of the members, which will occur during class, and may be in front of the class at the director's discretion. Students continued membership will be based on their performance, citizenship and attitude, as well as their participation in all classroom activities. This class also has the possibility to travel to a festival/clinic. Fund-raising is required to participate in these activities and numerous opportunities will be offered to help the students reach their financial goals.

9,10,11,12 Prerequisites: Audition and/or Director's discretion

Physical Education

The intent of the Physical Education Department is to provide every student with a background in lifetime activities, while learning to improve and enjoy a total fitness program, with an emphasis on the cardio-vascular fitness. At the same time, students are encouraged to learn social skills that will enable them to become responsible citizens within the community. A student may only be enrolled in one physical education class per semester.

Physical Education I/Health (required)

This course alternates in the gym for Physical Education and the classroom for Health. Students must pass both components separately and both are required for graduation. The Health component is a classroom setting with reading of a textbook, class work, quizzes, and tests. Units covered are the health triangle, nutrition, fitness, risks to health, and human sexuality. The Physical Education component has daily flexibility activities and sports. The sport units include football, soccer, tennis, basketball, badminton, pickle ball, volleyball, and others.

Prerequisite: none

Swimming I/Health (required)

This course alternates in the pool for Swim I and the classroom for Health. Students must pass both components separately and both are required for graduation. The Health component is a classroom setting with reading of a textbook, class work, quizzes, and tests. Units covered are the health triangle, nutrition, fitness, risks to health, and human sexuality. The Swim I component has daily flexibility, warm ups, stroke instruction and skill practice. The strokes and skills include sidestroke, elementary backstroke, backstroke, breaststroke, freestyle, butterfly, starts, turns, and tuck jump from the diving board.

9,10,11,12 Prerequisite: None

Swimming II/Lifetime Fitness

Swimming II is for students who have experience in swimming like the swim team or lessons of level 5 or higher. This course can be taken first if the student is an experienced swimmer or can be taken after Swimming I. Students should already know some of the strokes. This course will work on improving strokes, learn the five components of fitness, and improve entries, turns and starts. In this course, there are also units on aquatic games, water polo, peer teaching and an introduction into life guarding. This class will require 1-2 swim suits to get through the semester. This course can be taken more than once.

9,10,11,12 Prerequisites: Swim experience or Swim I. Must be willing to swim daily

Beginning Weightlifting and Conditioning

This course is an introductory class to the Bigger, Faster, Stronger curriculum. It is an extensive concentration in weight training and physical conditioning. This class is performance graded using the 9 recognized areas set up in the BFS curriculum. This course is for second semester freshman and sophomores. This course is a prerequisite for Advance Weightlifting. Freshman or Sophomores wishing to take this course must get approval from the Physical Education Department.

9, 10 Prerequisites: PE I/Health or Swim 1/Health

Modified Block Schedule

Courses offered in the modified block will cover all fields of study and will allow students additional support and/or the ability to advance their studies. Courses in the block will be 40 minutes long each semester and students will receive a half credit for successful completion of each course.

Modified Block-Beginning Strings

Introductory strings would adhere to the national music standards for grades 9-12. This course creates a better musician through increased playing time and instruction in alternative music forms beyond the scope of the classroom concert band setting. The strings course contributes to developing a more independent individual through interaction with students from a variety of grade levels and backgrounds. The strings course develops a more well-rounded musician; as no other classes focus directly on string instruments. The strings class will require no new books or materials. The band room and the music we order every semester is already adequate along with online tools.

Modified Block-Business Math

Math Students will learn math skills for business success. Units will include: bank services, mark up and mark down, payroll, simple interest, taxes, insurance, purchasing merchandise, consumer credit, currency, and mortgages.

Prerequisite: None

Modified Block-Communications Project with Student Advisory Board

In this course students will become stakeholders in school and community issues by becoming part of the student advisory board. They will discuss and research situations, determine if a problem exists, propose solutions, and implement those solutions in their school. Emphasis will be on development of problem solving skills, an understanding of the individual's role in the community, and building student leadership. Application and approval of instructor and principal needed.

Prerequisite: Application and approval of instructor needed

Modified Block— Debate and Forensics

Forensics is a course that allows students to prepare and perform in interscholastic speaking competitions. Students will start with legislative and policy debate, and then move on to the 12 speaking categories of individual competition sponsored by the Michigan Interscholastic Forensic Association. Students electing this course should be prepared to participate on the Forensics and Debate Team.

Prerequisite:: Approval of the Teacher, Completion of English I with a grade of C or better

Modified Block-Fundamentals of Technology Education

Students will explore technological systems, ranging from information to physical technology as they relate to our world. Students will be involved in numerous hands-on activities such as Co2 powered vehicles, solar powered vehicles, basic drafting skills, bridge building, engineering skills, and aerospace.

Prerequisite: None

Modified Block Schedule

Modified Block-Fundamentals of Franchising- *if interested please talk to your counselor.

This is an on-line business course, using a mix of classroom instruction/discussion and on-line learning. Students will learn the basics of franchising, retailing, and personal finance, through the use of virtual business simulations. They will explore career pathways in the following fields: Restaurant Management, Sports Marketing, Retailing, and Finance.

Prerequisite: None

Modified Block-Health

This course is designed to inform students of issues in life-long health and wellness. The focus will be on Holistic Health areas including physical, mental, emotional, and social. Other topics will include tobacco, alcohol and drug usage, reproductive health, and HIV/AIDS prevention.

Prerequisite: None

Modified Block-Intro to Robotics- *if interested please talk to your counselor.

The robotics course is designed to introduce students to basic robotics through lectures and implementation of LEGO NXTs. Students will start with the LEGO NXT training missions, then move on to challenges, and finally a class competition. By the end of the class, students should be able to design, simulate, build, and program a robot.

Prerequisite: None

Modified Block-Introduction to Video Game Design- *if interested please talk to your counselor.

Are you ready to get in the game? Introduction to Video Game Design is a fun and engaging course that requires no previous knowledge of programming or game design. This course introduces students to the fundamentals of video game design and provides hands on experience using "The Games Factory 2" software. Students will create custom computer video games and applications and explore career opportunities in the video game design industry.

Prerequisite: Successful completion of Computer Literacy or Exploring Computer Science with 75% or higher, or teacher approval.

Is it Magic or is it Science?

In this class, students will investigate how phenomena is occurring through a science lens of discovery and evidence. Students who want to explore magic tricks and scientific phenomena with curious minds should take this class. This course will explore such concepts as the behaviors of solids, liquids and gasses and involve studying the composition properties, and reaction of substances. Students will be assessed on Physics and Chemistry NGSS standards.

Modified Block Schedule

Modified Block-Jazz Band

In Jazz band the students will learn new elements of music not commonly seen in the concert band setting. Students will learn to play more advanced techniques such as improvisation. Along with rehearsal elements of class, students will be taught about jazz as it's own genre of music and the contributions jazz has made to music as a whole. Students will be exposed to a variety of new musical venues that will further their own educational horizons .

Prerequisite: A minimum of two years musical experience in another band or choir program is required. Acceptance to the class is based off of a simple audition or director's approval.

Modified Block-Keyboarding and Word Processing

Students will learn proper keyboarding techniques, the formatting of business documents, and advanced Microsoft Word features.

Prerequisite: None

Modified Block-Latino Culture- **if interested please talk to your counselor.*

Students will learn about Latino diversity and the impact of politics on Latino art by analyzing a variety of works of art. *Students will be required to attend a field trip to the Detroit Institute of Arts in Detroit, MI to contrast the Rivera Court with works by the master in the Spanish collection.* Course will be taught in English. **Prerequisite: None**

Modified Block-Latino Culture in the United States

Students will study the influence of Latino cultures on the U.S. and the influence of the U. S. culture on Latino immigrants, examining the key cultural elements for different Latino immigrant groups. Course will be taught in English.

Prerequisite: None

Modified Block-Life Skills

This class focuses on developing personality, character, self-esteem and working relationships. The importance of health and wellness, as well as employability skills will also be examined.

Prerequisite: None

Modified Block-Newspaper- **if interested please talk to your counselor.*

The main purpose of this course is to produce a quality newspaper according to current journalism standards. Students will manage all operations in regards to the publication process in the online student newspaper, *Out of the Blue.* Students will write stories, create the design, take photos, and more.

Prerequisite: English I; in grades 10, 11, or 12

Modified Block Schedule

Modified Block- Science of Fitness

In this class, students will dive into the science of exercise, exploring the biomechanics of exercise, the importance of strength and conditioning, and the proper nutrition and recovery methods. We will explore the physiology of exercise, or the way the body operates while exercising. In addition to this physiological approach, students will explore their limits and maximize their performance with the discussion of SMART goal setting for their fitness. For example, students may develop training plans to help them achieve these goals properly.

Modified Block-Science of Literature

In this class, students focus on various non-fiction writing that allows for a more in-depth view of a scientific topic. We will explore topics such as ethics of science, the human impact of scientific discoveries, how technology drives science, how science shapes society, and how society shapes science. The focus is to inform students of topics in science beyond traditional topics covered in state standards. It is also to expose students to the scientific literature that features in-depth discussions of deeper scientific ideas and other non-fiction. Students will also practice ELA skills of reading content for deeper understanding and writing to analyze/review an author's work.

Modified Block-Sports Literature- *if interested please talk to your counselor.

Sports Literature is an elective course based on the study of sports literature and sports writing. Reading, writing, film, and discussion of current and historical sports events will be use to analyze the element of sports in our culture.

Prerequisite: None

Modified Block-The Science of Food

What keeps food from spoiling? How does bread rise? How do new foods get developed? Can taste buds be fooled? These questions and many more will be explored in this course as we study the science behind the foods you eat and how they are prepared. There is a lab component to this course. In addition, this course will provide students with an introduction to food science careers.

Disclaimer: This is not cooking class, it is a lab science course.

Prerequisite: None

Modified Block-Technical Theater- *if interested please talk to your counselor.

This course is for students who enjoy working with technical equipment related to stage and theatre. It will provide students with a basic understanding of the aesthetics and practical application of all phases of technical production. This may include the study of all visual aesthetics, the physical theater, scenic design, scenery construction and painting, property construction and design, costuming, makeup, lighting, and sound engineering. Students will learn how to research and design scenery to build sets and concentrate on the major areas of theater technology, production, and performance.

Prerequisites: Approval of Instructor

Modified Block Schedule

Modified Block-Visual Journaling

Students will be introduced to, the use of Visual Journaling. Students will learn a variety of techniques and tools. This list will include painting, drawing, stenciling and collage. Students will also learn how to create doors, openings and layers for further visual interest. Students will use the visual journal to respond to and explore a variety of topics including personal experience and thoughts, world events and hot topics. **Prerequisite: None**

Modified Block-Western Civilization I

This is a half-credit elective course designed to introduce students to the early history of the world. Students will use historical, political, social, and economic perspectives to better understand early and classical civilizations. Major areas of study will include the Paleolithic & Neolithic Ages, the Ancient Civilizations of Mesopotamia, India, and China, as well as the Classical Civilizations of Greece and Rome.

Prerequisites: Must have passed both American History and Civics/Econ. (Students may not take this course if they have already taken Origins of Western Civilization)