

HURON HIGH SCHOOL
COURSE DESCRIPTION
CATALOG



2023-2024

HURON HIGH SCHOOL



Megan O'Brien
Andrew Tomasek
Jake Shulaw
Lindsey Backhaus
Jason Pliska

High School Principal
High School Assistant Principal
Athletic Director
11-12 Counselor
College/Career Counselor

Main Office.....734-782-1436
Counseling Office.....734-782-5360
Athletic Office..... 734-782-1777

Huron High School
 32044 Huron River Drive
 New Boston, Michigan 48164
 P: (734) 782-1436 F: (734) 783-1534
 www.huronschools.org

Huron School District

Located in southwestern Wayne County, Michigan
 42 square miles

Rural/Agricultural, Residential, Parklands
 Huron High School, Grades 9-12
 Renton Middle School, Grades 6-8
 Brown and Miller Elementary Schools, Grades K-5

Huron High School

Public, Grades 9-12, Enrollment: 930 students
 School Year: 3 trimesters
 Accreditation: AdvancedEd-N.CA

Administration

(734) 782-2441 (Superintendent's Office)

Mr. Donovan Rowe, Superintendent

(734) 782-1436 (High School Office)

Ms. Megan O'Brien, Principal

Mr. Andrew Tomasek, Asst. Principal

(734) 782-1777 (Athletic Office)

Mr. Keith Shulaw, Athletic Director.

Guidance and Counseling

(734) 782-5360

Mr. Jason Pliska, Career/College Advisor

Ms. Lindsey Backhaus, Counselor

Special Education

(734) 379-6360 (Special Education Office)

Ms. Megan Colligan, Consortium Director

(734) 782-2441

Ms. Kelly Michael, District Coordinator

Mrs. Kimberly Waddell, Building Coordinator

Transportation

(734) 782-1418

Ms. Marleen Nowland, Transportation Director

Career Technical Consortium

(734) 782-3194 (Consortium Office)

Mr. John Nasarzewski, Consortium Director

Advanced Placement/Independent Study

Huron offers AP classes in the core curriculum. These classes are labeled *A.P.*

Dual Enrollment College Courses

Junior and senior students, having met certain criteria, may enroll in college courses to receive college and high school credit concurrently. These classes will be labeled as *college study*.

Grading System

All courses are used to determine GPA. Career GPA and Class Rank are computed and updated by trimester. A.P. courses are weighted (1.25X).

101 +	=	A+	=	4.33
100-93	=	A	=	4.0
92-90	=	A-	=	3.6
89-87	=	B+	=	3.33
86-83	=	B	=	3.0
82-80	=	B-	=	2.67
79-77	=	C+	=	2.33
76-73	=	C	=	2.0
72-70	=	C-	=	1.67
69-67	=	D+	=	1.33
66-63	=	D	=	1.0
62-60	=	D-	=	0.67
59-0	=	E	=	0.0

Miscellaneous grades:

F	Attendance failure, no credit
G	Passing work, credit
I	Incomplete, no credit
S	Passing work, no credit
U	Unsatisfactory, no credit
W	Withdraw, no credit

2023-2024 School Year Course Scheduling

The scheduling process at Huron High School consists of several well-defined steps. Students and parents alike would be well advised to become familiar with the scheduling procedures.

It is particularly important that students and parents do some preliminary reading, discussing, and planning before the student selects courses for the upcoming year. This will help prevent errors in the student's schedule, and give direction and purpose to their selections.

Step 1. Students in grades eight through eleven will review the online *Course Description Book* (found at Huron High School Counseling Google Classroom) CLASS CODE: *(wplun5g)* for the 2023-2024 school year. Parents and students will have several days to read the descriptions of the courses, discuss options, project four-year plans, and make tentative course selections for the next school year. Students should seek advice from their parents, teachers, mentors, counselors, and other students.

SCHEDULE CHANGES

Once signed schedule sheets have been submitted, no schedule changes will be made unless there is an academic basis for the change. Schedules will not be changed for students who have changed their mind about a class, want a different class, etc.

Students may adjust their schedule only due to the following reasons:

- Administrative or logistical error
- Failure of pre-requisite class
- Completion of summer school, correspondence or online credit recovery
- Changes to vocational schedules that are beyond the student's control
- Special Education adjustments
- Changes due to Work-Based Learning (approval required by Work Based Learning Coordinator)
- Teacher recommendation
- Rescheduling due to class failure

If it becomes absolutely necessary for a student to drop/change a class based on the above criteria, the following will apply;

- Parent approval is required
- Students will have the first three school days of the first trimester to request a schedule change, and the first two days of the second trimester and one day of the third trimester to request a schedule change.

HHS Delineation of Courses for VPAA, PE and a 4th year Math Credit

<u>Courses that count toward Visual, Performing and Applied Arts Credit</u>	<u>Courses that count toward Physical Education.</u>
Basic Art A and B	Personal Fitness
Drawing A and B	Aerobics
Advanced Art I and II	Weight Training
Cartooning	Girls Weight Training
Stagecraft	Team Sports
Advanced Stagecraft	Girls/Boys Basketball Tech
Theater Arts	Softball/Baseball Tech
Theater Arts Lab	Football Tech
Video Productions A and B	Volleyball Tech
Yearbook	Intro to Stem
Computer Apps A and B	
Computer Programing I and II	
Mobile Apps A and B	
Web Design A and B	
Robotics I and II	
AP Computer Science Principles	
Wood Carving	
Intro to Woodworking A and B	
Advanced Woodworking	
Drafting I A and B	
Drafting II A and B	
Choir	
Marching Band	
Concert Band A and B	
Instrument Studies	
Music Theory & Technology	
Bach to Rock (Music Appreciation)	
Marketing I A and B	
Engineering & Design A, B, C	
*Any APPROVED to meet VPAA requirements DCTC courses	

*As courses evolve or situations present themselves, we can review individual situations as needed.

<u>Courses that count toward 4th year math credit.</u>
<u>*Note must be taken in senior year for credit.</u>
AP Computer Science Principles
Finance A, B, and C
Math Reasoning A and B
Pre-Calculus
AP Calculus AB
AP Calculus BC
Calculus
Statistics
AP Statistics
Computer Programing I and II
*A majority of DCTC courses; please check with your counselor.

Graduation Requirements

In order to graduate and receive a high school diploma from Huron High School, a student must successfully complete all coursework for a total of 27.5 credits. Students must also take all three parts of the Michigan Merit Exam (MME) in 11th grade consisting of the SAT, ACT WorkKeys, and M STEP; or its equivalent as defined in their IEP.

CONTENT	MINIMUM CREDITS	SPECIFIC CLASSES
English	4	ENG 9, ENG 10, ENG 11, Public Speaking, English Elective (½ credit)
Math	4.5	Algebra I, Geometry, Algebra II, Senior year math or 2nd year vocational (CTE) class
Science	3	Biology, Physical Science, Chemistry or Physics
Social Studies	3	World History A & B, U.S History A & B, Government, Economics.
Physical Education	1/2	Any P.E course
Health	1/2	
Visual, Performing, & Applied Arts (VPA)	1	May be satisfied by courses as outlined in the Course Book
Language	2	The two (2) credits must be earned in the same Language.

Credit Description: .5 credit= one trimester; 1 credit = one year (2 classes)

Alternative Credit Options to Meet MMC (Michigan Merit Curriculum)

Mathematics

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

World Language

One (1) credit may be substituted with a state approved formal CTE program/curriculum.

Personal Curriculum

Public Act 141 allows modifications to high school graduation requirements through a Personal Curriculum (PC) plan. All students are entitled to a PC. For some students, a PC may offer the best opportunity to succeed in high school and achieve postsecondary goals. A parent may want to consider this option if his or her child has struggled with the middle or high school curriculums and will require extensive support to meet the requirements of the Michigan Merit Curriculum (MMC). State guidelines limit the conditions under which a PC may be developed and implemented.

Testing Out

Huron High School offers test-out exams per the Michigan Curriculum framework. Students must follow the guidelines in order to take the test-out exam. The test-out day for all subjects will be held on Martin Luther King Jr Day. The forms can be acquired in the counseling office and should be returned to the counseling office no later than Christmas break.

Grade Classification

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

Minimum Credits in "Good Standing"	End of School Year
Junior	19.5 credits or above.
Sophomore	12 or above.
Freshman	4.5 credits or above.
Total Credits Needed to Graduate	27.5

Career Pathway Exploration Resources

XELLO:

- Used for career and college exploration, and to update their EDP each year in school. Students can access this resource anytime from home with their individual login information.
- Students should access Xello through the Google Sign On located in the Xello app in their chromebook on the waffle menu.

O*Net:

- Additional career exploration resource with specific information on current career trends.
- www.onetonline.org

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

College Credit Opportunities:

Advanced Placement (AP) Coursework

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

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

- AP English Literature and Composition
- AP Macroeconomics and Microeconomics
- AP Psychology
- AP US Government and Politics
- AP US History
- AP Calculus
- AP Computer Science Principles
- AP Statistics
- AP Biology
- AP Pre-Calc
- AP Environmental Science
- AP Physics

Upon completion of the AP course, students are encouraged to take the AP exam in May (students will be asked to register for AP Exams in the fall). Please note there is a fee for this exam. Depending on the score earned and cutoff scores for each individual college, students can earn college credit and placement into more advanced

coursework upon entry into college. For more information, speak with your high school counselor or visit the College Board website: <https://ap.collegeboard.org/>

Dual Enrollment

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

In most cases, there is no cost to the student or family for tuition unless the tuition cost exceeds the maximum student allowance for a dual enrollment class. Families are responsible for textbook purchases, though textbook reimbursement may be available depending on the tuition cost for the course. Families are also responsible for tuition or fees associated with dropped or failed courses.

Eligibility for dual enrollment coursework is based on:

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

Other limitations to consider:

- College course schedule may not conflict with attendance at high school classes.
- An equivalent high school Advanced Placement (AP) course should be taken over a dual enrollment course, when available to the student.
- Dual enrollment courses must be academic in nature and not a hobby, craft, or recreational course.
- Dual enrollment courses may not be in a subject area of physical education, theology, divinity, or religious education Required paperwork and enrollment procedures.
- Dual enrollment involves a multi-step application and paperwork process that requires coordination between the high school and the college.

- Interested students are responsible for meeting any college deadlines for enrollment and turning in required paperwork to the high school in order for the school district to pay for the dual enrollment course.
- Most dual enrollment application, placement testing, and enrollment processes take place months before the start of a new semester at high school.

Interested students should speak with their high school counselor for more information on specific expectations and paperwork requirements.

COLLEGIATE TRANSITIONS COURSE:

This specific course is required during the students' junior year and is scheduled during the 2nd trimester. This course is aimed to help prepare students for the SAT, WorkKeys, and M-STEP Tests which includes study skills, test preparation, etc. to better prepare them for success on these tests. During this course, administrators and counselors will meet with students to discuss the importance of the assessment scores on these tests in which they receive their junior year.

ATHLETICS & NCAA:

Athletes who hope to attend college and play sports have special requirements that must be met. If you hope to play sports in college, you should plan to have a "B" average for your required classes. Talented athletes must also be able to show that they can do well in school. To be NCAA eligible to participate in college sports, you must meet certain eligibility requirements. These requirements change frequently, and it is important to keep informed. For the most up to date requirements, as well as registration information, visit the NCAA Eligibility center at: www.eligibilitycenter.org

Any student who is interested in becoming a college athlete should visit the above NCAA website as early as their freshman year. Familiarizing yourself with the requirements and eligibility process will assist you in choosing classes to ensure NCAA eligibility.

OPTIONAL TESTING:

PSAT/NMSQT:

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test will be given annually at Huron High School in October. The test is designed to help prepare students for the SAT examination, and serve as a qualifying test for a variety of scholarship programs. Students must register with the counseling office and pay a fee.

The fee varies every year based on the cost of the exam determined by the College Board.

SAT:

The Scholastic Aptitude Test is an exam used for college admissions and scholarship purposes. It is not recommended that students take this exam prior to their junior year. Students can check with the counseling office or www.collegeboard.com/student for exact test dates and registration information. The SAT will be taken by all Huron High School Juniors as part of the required state testing for all juniors in April. This is graduation requirement.

Course Offerings by Department

- Arts
- Business Education
- English Language Arts
- Industrial Technology
- World Languages
- Mathematics
- Music
- Physical Education
- Science
- Social Studies
- Special Courses
- Career/Technical Courses (DCTC)

THE ARTS

011 BASIC ART A – ELEMENTS OF DESIGN

Grades 9, 10, 11, 12

Prerequisite: None

This is intended to be the first trimester of the two trimester basic art class. This class is an introduction to the visual arts. It will include drawing, design, painting and a variety of media. Students will have the opportunity to explore creative potential and develop skills. This class includes bookwork and requires weekly homework.

012 BASIC ART B – PRINCIPLES OF DESIGN

Grades 9, 10, 11, 12

Prerequisite: Basic Art A

This is the second trimester of basic art that is an introduction to the visual arts. It will include drawing, design, painting and a variety of media including ceramics. Students will have the opportunity to explore creative potential and develop skills. This class includes bookwork and requires weekly homework.

021 DRAWING A--ELEMENTS OF DESIGN

Grades 9, 10, 11, 12

Prerequisite: None

This is intended to be the first trimester of the two trimester Drawing class. For the hobbyist or beginner, this one trimester class takes a closer look at the fundamentals of drawing. Aimed at improving skill and knowledge, this class is for those who can concentrate on tasks. This course includes bookwork and requires weekly homework.

022 DRAWING B – PRINCIPLES OF DESIGN

Grades 9, 10, 11, 12

Prerequisite: Drawing A

This is the second trimester of Drawing that takes a closer look at the fundamentals of drawing. Aimed at improving skill and knowledge, this class is for those who can concentrate on tasks. This course includes bookwork and requires weekly homework.

031 ADVANCED ART 1: DRAWING, DESIGN AND CONTEMPORARY CRAFT

Grades 10, 11, 12

Prerequisite: Basic Art A & B or Drawing A & B

This class offers a specialized independent structure for experienced students who wish to continue in Art. Utilizing a variety of media in two and three-dimensional projects, each student spends time working on group and individual projects. This course requires some research and homework.

032 ADVANCED ART 2: PORTFOLIO BUILDING

Grades 10, 11, 12

Prerequisite: Advanced Art 1

Provides students the opportunity to continue building their portfolio and further develop their ability. This class offers a specialized independent structure for experienced students who wish to continue beyond Advanced Art 1. Utilizing a variety of media in two and three-dimensional projects, each student spends time working on group and individual projects. This course requires some research and homework.

10025 CARTOONING & CHARACTER DEVELOPMENT

Grades: 9, 10, 11, 12

Prerequisite: Drawing A or Basic Art A

Advanced students will design and develop a unique character over a process of weeks. Students will be required to create a sketchbook of notes and images that archive their creative process through each stage. Each student will leave with a better understanding of the creative process surrounding animation by analyzing cartoon trends by studying aspects of Cartoon Character development, dissecting styles in printed media, video, media and online publication. Bookwork, independent research, portfolio and labs (Sketchbook) will be included in the final assessment.

041 VIDEO PRODUCTION A

Grades 10, 11, 12

Prerequisite: Sophomore status

Students will begin this course by learning all of the equipment, and then move into completing one or two teacher directed projects with the equipment. Students will have hands-on opportunities to use cameras, editing equipment, duplicating equipment and basic video equipment. However, this course is designed to teach the essentials of video production and the Video Production B course is designed to use the skills learned here to complete projects.

042 VIDEO PRODUCTION B

Grades 9, 10, 11, 12

Prerequisite: Video Production with a "C" or higher.

Students will have daily hands-on opportunities to use cameras, editing equipment, duplicating equipment and basic studio equipment. They will create a variety of projects (including: interview, instructional, sports, PSA, news program, drama and music video) using the skills they learned in Video A.

051 INTRODUCTION TO THEATRE ARTS

Grades 9, 10, 11, 12

Prerequisite: None

This one trimester course is an introduction to the theatre: acting, technical, and critical. It is achieved through introductory means of acting and improvisational scenes within the classroom, observation of other plays and performances, and many other in-class assignments dealing with the technical areas such as improvisation, movement, costumes, makeup, etc. Students will learn the basic terms and concepts through vocabulary and practical study. Participation in some form of a presentation will be required on a regular basis, but students begin slowly to build up their confidence before a larger performance will be assessed. It is a wonderful class as a precursor to Public Speaking, or for anyone who plans on going into a job that requires time in front of an audience. This class utilizes some time outside of the assigned class hour for rehearsals, memorization, and obtaining materials for use in the classroom setting. Time will be devoted to the development of acting and performance skills, technical theatre, theatre etiquette, overcoming stage fright, monologue development, and group acting techniques.

Can be taken for one, two, or three trimesters per year, but most students would be most interested in moving on to the Theatre Arts Lab after the introductory class has been taken once for further exploration of the craft.

052 THEATRE ARTS LAB/MUSICAL THEATRE

Grades 9, 10, 11, 12

Prerequisite: Introduction to Theatre Arts with a "C" or better and/or pre-approval from Director

This one trimester course has been designed for the theatre student who has successfully completed the introductory theatre course, and would like to further explore the craft of acting and musical theatre for our school's live performance in the spring. This course will focus on the execution of the spring musical, including acting/line memorization, choreography, movement and vocal performance. After school commitments will be needed as we get closer to the actual production. Group and individual performance scores will be assessed throughout the trimester. In addition to the rehearsal and preparation for the musical, students will also study the history of drama, professional theatre acting techniques and terminology, monologue/audition preparation and musical theatre as an independent art form. Stage make-up, props and costuming will be highlighted as well. Performance analysis and critiques will be used as a learning tool whenever possible. This is an ideal and mandatory course for the student who is ready to commit to the large undertaking of our musical theatre performance production. All students will play a role in the show, but it is at the director's discretion what parts/roles will be delegated based on auditions and class commitment. Please see the instructor with any further questions or concerns.

**This class requires a mandatory performance and rehearsal commitment at the end of the trimester and will involve after school additional hours. See instructor for potential extra-curricular scheduling conflict resolutions.*

055 INTRODUCTION TO STAGECRAFT

Grades 9, 10, 11, 12

Prerequisite: None

This trimester course will allow the student an opportunity to become more aware of the technical complexities which surround a production. This includes the setting, scenic design, costuming, lights, and sound of a play or production. The roles of stage manager and technical crew will be studied, with opportunities for active participation. The student will have the chance to work predetermined hours per marking period outside the classroom assisting on technical application for productions in the auditorium, the theatre arts class, school plays, or events. The course begins with an overview of the theater and the backstage areas, types of theaters/sets, necessary terms/concepts/supplies, preparation for a production schedule, set renderings, and then concludes with *assisting* in building some type of real set. Each student will be encouraged to express themselves as an artist, with regard to, and consideration for the limitations of a production. Due to the nature of this course, students should be aware that hands-on building will not begin until they are enrolled in the lab, but many hands-on activities are used to learn the fundamental basics of construction and set design.

Members of the Auditorium Technical Crew are encouraged to enroll in this class. In order to build the sets, you must enroll in this course first before you can take the lab. It is highly recommended that this course is only taken once, and then you would progress to the next level.

056 ADVANCED STAGECRAFT

Grades 9, 10, 11, 12

Prerequisite: Introduction to Stagecraft with a "C" or better

This trimester course is designed for students who are interested in a hands-on opportunity for building, design, and construction of stage sets. Students will be expected to design set renderings and concepts for theatrical productions, and then utilize their time in class to build and construct the sets. They will be exposed to a variety of painting and creative building concepts. Students will be working with the drama club plays and other various performances from start to finish, including being responsible for play selection, advertisements, public relations, auditorium management, technical management, and striking of sets post-performance. *Please note that the lab may be taken as many times as you would like once you have taken the introductory course, but for practical purposes, the advanced course (part B), will only be offered during trimesters A and C. Anyone interested in pursuing an independent study during 2nd trimester in this discipline however, should see the instructor for special arrangements.*

BUSINESS EDUCATION

417 FINANCE AND FINANCIAL MANAGEMENT SERVICES

418

419

Grades 10, 11, 12

Prerequisite; None

This full-year program prepares students to plan for and evaluate a business' operations, financial and investing decisions, and how accounting systems gather and communicate financial information to internal and external decision makers. Topics include an introduction to accounting, the accounting cycles, accounting information systems, financial analysis, business law, and entrepreneurship.

This class counts as a fourth year math credit.

10492 AP COMPUTER SCIENCE PRINCIPLES

Grades 9, 10, 11, 12

Prerequisite: None

This year-long AP course with 3 Trimesters (A, B, and C) - no prerequisites are required and it's open to 9th -12th grade students. AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. This class counts as an art and/or fourth year math credit. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

421 COMPUTER APPLICATIONS A

Grades: 9, 10, 11, 12

Prerequisite: None

This course is designed to be taken as a two trimester course (Computer Applications A and B). It is best to take both parts of the course in the same year. This is a course that is designed to introduce students to programs included with a google account. Some of these programs are extensive work on Google Docs, as well as an introduction to Google Slides, Google Drawings, and Google Drive. Students will also learn about professional communication methods including email and business letters. Students will also learn about how business software has developed over the past few decades. This course counts as a .5 art credit towards graduation.

422 COMPUTER APPLICATIONS B

Grades 9, 10, 11, 12

Prerequisite: Computer Applications A

This course is a continuation of Computer Applications A. Students will expand their understanding of Google Slides and other Google programs. Students are also introduced to Google Sheets and the use of data in spreadsheets. Students continue their study of computers in the workplace. Finally, students are introduced to basic coding using HTML and create a customized webpage on an approved topic of their choice. This course counts as a .5 art credit towards graduation.

425 WEB DESIGN A

Grades: 10, 11, 12

Prerequisite: None

This course is designed to be taken as a two trimester course (Web Design A and B). It covers the fundamentals of designing informative, attractive, and efficient web pages. It includes issues of design techniques, color selection, and navigation. Topics to be discussed will include HTML, HTML editors and graphic animation. This course counts as a .5 art credit towards graduation.

426 WEB DESIGN B

Grades: 10, 11, 12

Prerequisite: None

This course is a continuation of Web Design A and is designed to be taken in the same year. Topics discussed will include more HTML editors, graphic animation, and graphic programs. It will continue to work on the fundamentals of designing informative, attractive, and efficient web pages. This course counts as a .5 art credit towards graduation.

428 COMPUTER PROGRAMMING A

Grades 10, 11, 12

Prerequisite: None

This course is designed to be taken as a two trimester course (Computer Programming A and B). This is an introductory course for learning to program with animation. Students create animation projects using Alice, a software package for creating animation in small virtual worlds using 3D models in Pixar and Disney animation style. The emphasis of this course is hands-on labs, with some lecture/presentation. This class counts as an art and/or fourth year math credit.

429 COMPUTER PROGRAMMING B

Grades: 10, 11, 12

Prerequisite: Computer Programming A

This course is a continuation of Computer Programming A and is designed to be taken in the same year. It includes an in-depth study of structured programming, logic constructs, and logic flow representation. It focuses on the design stage of computer program development, algorithm development and coding of programs using high-level language such as Java. Students will diagram solutions to a variety of computer problems using strategies for problem solving. These solutions will be coded, executed, and debugged. This class counts as an art and/or fourth year math credit.

423 MOBILE APPS DEVELOPMENT A

Grades 10, 11, 12

Prerequisite: Computer Applications B or Computer Programming B

Students in this course will learn to design apps for mobile devices and tablets. This course is project oriented, and examines the principles of mobile application design and development. Students will learn application development on different platforms. Students are expected to work on projects that produce a professional quality mobile application. This course is designed to be taken as a two trimester course with Application Development B. *Computer Programming A and B are recommended, but not required, prior to taking this class.* This course counts as a .5 art credit towards graduation.

424 MOBILE APPS DEVELOPMENT B

Grades 9, 10, 11, 12

Prerequisite: Mobile Apps Development A

This course is a continuation of Mobile Apps Development A. Students will continue to learn the principles of mobile application and development on different platforms. This course counts as a .5 art credit towards graduation.

431 MARKETING I

Grades 11, 12

Prerequisite: Junior or Senior status

This two trimester course prepares individuals to perform marketing and management functions and tasks that can be applied broadly in any marketing environment. Principles, practices, and procedures are taught without particular identification with a specific kind of business, product, or service.

453 MARKETING II - SCHOOL STORE

Grades 11,12

Prerequisite: Marketing I; Senior status with Instructor approval

This course enables the student to apply and practice competencies introduced in Marketing I. The Marketing II "laboratory" is a student-operated school store, an actual business operation. Students operate and manage the store, which sells merchandise to students, faculty, and the general public. This could lead to Cooperative Employment, which is supervised part-time employment for school credit and pay.

460 WORK-BASED LEARNING / Co-op

Grades 11, 12

Prerequisite: Junior or Senior status with teacher and Counseling approval

This course is a work-based learning experience that offers students an opportunity to develop employment skills in an area of interest to the individual. Each student will find an employment placement in an area where the student's skills, interests, and educational training align with his or her future career goals. Work- Based Learning students may be released early from school to go to their job, or arrive at school later depending upon their employment schedule. Employers agree to train them in the field in which they are studying in school. Students are required to have transportation and must be able to work a minimum of 12 hours per week. Students must maintain good attendance, punctuality and grades while working and attending school.

ENGLISH

811 ENGLISH 9A

Grade: 9

Prerequisite: None

This course provides study in the areas of grammar, basic writing techniques, library skills, and literature. Special attention will be paid to spelling, grammar, and the study of various forms of literature including the short story, novel, and drama. Students will complete the reading of two novels and the play *Romeo and Juliet*. The major paper is a personal narrative.

812 ENGLISH 9B

Grade: 9

Prerequisite: English 9A

This course provides study in the areas of grammar, basic writing techniques, library skills, and literature. Special attention will be paid to spelling, grammar, and the study of various forms of literature including the short story, novel, and drama. Students will read the novel *Night* and the Epic Poem *The Odyssey*. The major writing is a research paper.

821 ENGLISH 10 A

Grade: 10

Prerequisite: Sophomore Status

This trimester course is designed to help students develop and improve their skills in English acquired in 9th grade. During this class, students will use reading, listening, speaking, and writing skills to analyze various types and styles of literature, study the techniques used by effective authors, and incorporate various writing techniques within their own work.

822 ENGLISH 10 B

Grade: 10

Prerequisite: Sophomore Status

This trimester course is designed to help students develop and improve their skills acquired in English 10A. During this class students will use reading, listening, speaking, and writing skills to analyze various types and styles of literature, study the techniques used by effective authors, and incorporate various writing techniques within their own work.

847 GREEK MYTHOLOGY

Grades 11, 12

Prerequisite: Junior or Senior Status

This trimester course is designed as an introduction to Greek Mythology. This course is for students who are interested in a thorough study of classical mythology and all of the ways it has influenced Western culture. Students will first become familiar with all of ancient Greece, major gods and goddesses, heroes and monsters of classical mythology, and then be able to apply the knowledge in the writing of a myth or play or the teaching of a group lesson. For Juniors, the course will count as an elective credit. For Seniors, the course may count toward the required English credits or be taken as an additional elective credit.

831 ENGLISH 11 A LITERATURE

Grade: 11

Prerequisite: Junior Status

This course is one of the two options juniors have to take as their required literature course. The class will largely focus on classic literature from a variety of time periods. Students will also be required to read additional genres of literature, will be assigned various writing assignments, and given creative projects related to the interpretation of the literature. Students must be prepared to read on a daily basis and come to class ready to discuss course materials.

832 ENGLISH 11 B COMPOSITION

Grade: 11

Prerequisite: Junior Status

The goal of this trimester course is to increase student competence in the area of writing. Several different genres of writing will be explored. Written pieces are viewed as the result of a process that can be quite unique for each student. This course will also address that writing must always have a clear purpose and specific audience, for this affects the style and tone of each piece. Finally, writing is something that can be creative and exciting when students are encouraged to use their own ideas and voices, and when they pursue topics that are of interest to them. Topics explored are: writing as a process, persuasive writing, expository writing, research skills, multi-genre writing, grammar and sentence structure, vocabulary.

*This class can be taken before English 11A Literature or Advanced British Literature.

844 ENGLISH 11 ADVANCED BRITISH LITERATURE

Grade: 11

Prerequisite: Junior Status

This course is one of the two options juniors have to take as their required literature course. This challenging trimester course is designed to provide an overview of British Literature. The course will focus on analysis of classic to contemporary pieces of British literature with special emphasis on historical context and analysis of literary devices and author style. We will read a variety of genres including the novel, short fiction, drama, poetry and non-fiction. Students will complete assignments to make modern connections to classic texts and study universal themes in literature. Writing in this course will consist primarily of literature-based assignments, with a focus on literary analysis. This fast-paced course will rely heavily on independent reading and in depth literary analysis. This course is recommended for students who are planning to take AP English Literature and Composition or for students seeking an advanced level course in preparation for college level work.

841 PUBLIC SPEAKING

Grade: 12

Prerequisite: Senior Status

REQUIRED FOR ALL SENIORS

This one trimester course is required of all seniors, and is designed to teach and increase the basic and advanced skills of modern-day public speaking, and audience interaction. Key objectives of the course are: verbal and non-verbal communication, awareness of differences of opinion within an audience, professional vs. casual speech, gaining confidence in presenting to the public, the advantages of using appropriate visual aids, developing strong messages and supporting them with detail, correct methods of delivering formal and informal speeches, making good uses of transitions, knowing your audience and keeping them engaged, the proper uses of outlines and note cards/versus the key elements of a memorized speech, and key tools in achieving success with speaking in the workplace and on the collegiate level.

845 CREATIVE WRITING & CONTEMPORARY LITERATURE

Grades: 10, 11, 12

Prerequisite: Sophomore, Junior or Senior status

The purpose of this one trimester course is twofold: first, to expose the student to contemporary fiction and non-fiction, and second, to give the student an opportunity to develop creative writing skills. Students will have the opportunity to choose their own reading as well as read selections with the rest of the class. A variety of genres will be studied, including short fiction, personal/memoir, and poetry. Since this is a creative writing course, it will rely heavily on peer response and sharing of work. All students will be expected to both share work of their own, and be supportive of the work of others.

825 CLASSIC NOVELS

Grades: 11, 12

Prerequisite: Junior or Senior status.

This trimester course is designed for college bound students who wish to supplement their exposure to classic novels beyond the established curriculum. The course will focus on classic novels from a variety of time periods and will also include various writing assignments and projects related to the interpretation of these novels. For students in grade 11, the course will count as elective credit. For seniors, the course may count toward the required English credits or be taken as an additional elective credit. This is also a recommended course for junior students planning on participating in AP English senior year.

846 SCIENCE FICTION

Grade: 12

Prerequisite: Senior status

This course explores the five themes of science fiction (dystopia, time travel, exploration, invasion, and creating a monster) through analysis of short stories, novels, film, and real-life technological innovation. We will read classics by H.G Wells, Douglas Adams, Ray Bradbury, and others, and the students will create a project based on a science fiction novel of their choosing. Strong reading and writing skills recommended.

828 YOUNG ADULT LITERATURE

Grades: 11,12

Prerequisite: Junior or Senior status

This trimester class is designed for students who enjoy reading young adult literature based on topics and issues that are related to teens and their lives. Novels will be studied as a class as well as in small groups and independently. Projects and writing assignments will be related to the literature studied. Grade level: 11-12. For students in grade 11, the course will count as an elective credit beyond the established requirements. For seniors the course may count toward the required senior English credits or be taken as additional elective credit. A permission slip is required for this course.

893 ADVANCED PLACEMENT ENGLISH

Grades: 12

Prerequisite: Senior status or having completed all Junior English requirements and signed the approval form turned in to the AP instructor.

This three trimester course is designed for seniors with advanced skills in the areas of literature and composition. Students will read and write extensively, as well as engage in dialogue with classmates about the texts studied. Public speaking will also be incorporated into the class to meet the senior requirement. A variety of critical approaches will be used in the analysis of challenging literature, and students will be expected to skillfully express the results of their analysis through class discussion, writing, and timed essay responses. The level of difficulty will be comparable to that of college level coursework, and students will be expected to complete a summer reading list in preparation for the course. Students will be admitted to the course upon teacher recommendation and will be expected to maintain the highest standards of academic discipline. While the primary focus of this rigorous course is to prepare students for success at the college level, they may, having improved their reading and writing skills, elect to take the Advanced Placement examination in May. Successful completion of the examination will allow students to earn college credit as accepted by their chosen college or university. For the 2023/24 school year, the preferred deadline to order your AP exam is October 2, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

850 JOURNALISM

Grades 10, 11, 12

Prerequisite: "C" or higher in prior English class.

This is a broad skills building course. Students will be exposed to the aspects of journalism through book work, interviews, newspapers, and computer use. Students will improve the quality of their reading, writing, listening, researching, problem solving, verbal and nonverbal communication skills. Students will use a combination of individual and group work in the class. Strong English skills are recommended.

860 YEARBOOK
Grades 9, 10, 11, 12
Prerequisite: None

This course is designed to teach the skills necessary to produce the school yearbook, which offers a complete record of an entire school year. The year begins by planning the coverage for the school year and designing a unifying theme for the book. Students will study journalism including layout and design techniques, writing and editing copy, headlines and picture captions. This course provides the study of and practice in gathering and analyzing information, interviewing, note taking and photography. Students will learn strategies of planning, marketing (ad sales) and distribution of the yearbook. Students will learn proofing strategies and work independently with photographers. At times, deadlines require that staff members work after school and/or on weekends. Students will learn good work habits and are responsible for all phases of yearbook publication.

861 YEARBOOK EDITING
Grade 12

Prerequisite: This class is only available to those who applied for, and were elected by faculty as Yearbook editors.

This course is specifically designed for the yearbook editors. The editors will work with the adviser to select the staff and help assign roles best suited to staffers' skills, issue assignments and make sure those assignments are completed on time. They will manage or delegate all aspects of theme/concept work, including selection, development, design and production of cover, end sheets, title page, opening, dividers, closing and other related details. Responsibilities include: Completion of the final check of all pages prior to submission and ensure timely, correct submission of all deadlines to the plant; Assist adviser with assessments of each staffer's participation and contribution following each deadline; Modify policies and procedures as the year progresses to improve the process and the product; Responsible for business aspects such as helping in running of fundraisers, book sales, ad sales, and making all deposits.

10851 SPORTS MEDIA
Grades 11, 12
Prerequisite: Junior or Senior status

Using their predetermined interest in athletics, students will complete projects and activities to improve their language and writing skills. They will also improve their understanding of academic discussion and rhetoric. Students will learn the intricacies of different genres of sports media, including data analysis, human interest pieces, beat reporting, and more. The workload will consist of research, essay writing, participation in discussion and academic enrichment both in and out of the classroom. Using the skills in this course, students will be better prepared for college level informational writing and to make meaning of the media that they often encounter through their passion for sports.

INDUSTRIAL TECHNOLOGY

Huron High School STEAM Program

The below 3 classes will be taught and applied to the three levels of STEAM (Engineering Courses) using a central theme focused on the design/engineering process described below.

- *Identifying Need/Problem
- *Research Solution
- *Brainstorm/Imagine
- *Design and Plan
- *Create Prototype
- *Test Prototype
- *Reflect and Redesign based on data from Prototype testing

10727 ENGINEERING & DESIGN A

Grades: 9, 10, 11, 12

Prerequisite: None

During this course students will work individually and develop their understanding of the process outlined above. Students would be taught each of the steps in the process in which they will then apply the process using class prescribed projects to evaluate and reflect on results. Students would design in AutoCAD as well as drafting boards and produce in woods, plastics, and metals.

10728 ENGINEERING & DESIGN B

Grades: 9, 10, 11, 12

Prerequisite: Engineering & Design A

During this course students work in collaborative teams and apply the understanding of the process outlined above and learned in Engineering A. Students have more input and development of the problem and process. Students would design in AutoCAD as well as drafting boards and produce in woods, plastics, and metals. Engineering A required as a prerequisite.

10729 ENGINEERING & DESIGN C

Grades: 9, 10, 11, 12

Prerequisites: Engineering & Design A and B

This course is where students are charged with demonstrating the process throughout the course with the teacher as a support guide. Students are individually responsible for the process from beginning to end. Students have the option of working individually or in a collaborative group. Prior to admission to the course, students will submit their problem with suggested solutions to the course instructor for review. Engineering A and B required as prerequisites. Can be taken more than once. *Ideally this course could expand to cross-curricular projects with our auto class and involve marketing as well. Also look to industries for project ideas.

721 WOODWORKING A & B

Grades: 9, 10, 11, 12

Prerequisite: None

The purpose of this two trimester class is to introduce students to basic woodworking skills. Safety and quality will be stressed as integral parts of the woodworking experience. Students will also be expected to meet the high expectations set forth in this class. Students will learn basic woodworking skills by the completion of actual projects. Students must pay for all projects to be taken home. Specific objectives of the class include: safety and the safe operation of machines, measurement to plan and lay out woodworking projects, properties and characteristics of common wood species, different types of joinery and the uses/advantages of each, proper uses of different chemical and mechanical bonding methods, proper material preparation and finishing techniques, and proper construction methods.

725 ADVANCED WOODWORKING

Grades 10, 11, 12

Prerequisite: Woodworking A & B

The purpose of this class is for students to continue to improve their woodworking skills learned in previous classes. Safety and quality will be stressed as integral parts of the woodworking experience. In order to succeed, students will be expected to meet the high expectations set forth in this class. All students will be given the opportunity to produce projects of their own choice, and are expected to do so. Advanced Woodworking Lab students will design advanced projects, draw them to scale, and plan methods of construction and finishing using pre-made plans. Students must pay for all projects to be taken home.

This one trimester class can be taken repeatedly.

723 WOOD CARVING

Grades 9, 10, 11, 12

Prerequisite: None

This class will introduce students to the art of carving wood. Emphasis will be placed on the safe and proper use of wood carving tools. These tools include extremely sharp knives and gouges. Areas of study will be relief carving, chip carving, figure carving (carving in the round), sculpture and power carving. The type of carving will depend upon the maturity and skill level of each student. All students will be expected to work in a safe manner with maturity in order to participate in wood carving. There is some financial responsibility with this class, as students will need to purchase materials for their carving projects.

WORLD LANGUAGE

611 SPANISH I
Grades 9, 10, 11
Prerequisite: None

This two trimester course involves systematic development of basic conversation and grammar skills used in a variety of circumstances to develop elementary fluency. Students will learn to appreciate the prominent position of Spanish among world languages and especially its importance as a second language in the United States.

621 SPANISH II
Grades 10, 11, 12
Prerequisite: Spanish I

This two trimester course is a continuation of first year Spanish and is designed for those students who wish to increase their knowledge and appreciation for the Spanish language and Hispanic culture. Special emphasis is placed on expanding vocabulary and grammatical functions. During the first trimester, an emphasis will be put on current events in Hispanic countries with reports; and in the second trimester a journal in Spanish will be kept. Class will be conducted, as much as possible, in Spanish; and small groups will be used frequently to work on dialogues, skits, and projects which promote speaking.

631 SPANISH III
Grades 10, 11, 12
Prerequisite: Spanish II

Spanish III will emphasize the practice of Spanish as the classroom language with greater fluency than in the previous year, while teaching upper level grammar as a continuation of the Spanish II text. In addition, students will have the opportunity to appreciate Spanish and Latin American culture. This is a two trimester course.

641 SPANISH IV
Grades: 11, 12
Prerequisite: Spanish III

In addition to the continued development of accurate grammatical production, this course will be centered on the development of communicative competence. Students will be evaluated on their use of oral Spanish in the classroom. Students will also continue to be evaluated on projects, journal entries, writing assignments and tests, as in the Spanish III curriculum. This is a two trimester course.

615 FRENCH I

Grades 9, 10, 11, 12

Prerequisite: None

This two trimester course will focus on developing skills in the four areas of language acquisition: reading, writing, listening, and speaking. Students will learn basic grammar structures concentrating on vocabulary, verbs, and sentence structure. Furthermore, students will gain a cultural appreciation for contemporary France and understand the importance of Francophone culture in today's global society.

625 FRENCH II

Grades 9, 10, 11, 12

Prerequisite: French I

This two trimester course is a continuation of French I, allowing students to further improve their reading, writing, speaking, and listening skills. Students will explore more advanced grammatical structures such as the past tense and future tense of verbs. Structures of French I will also be revisited. Culturally, this course will focus more specifically on the city of Paris, its monuments, museums and contribution to French society. In addition, the impressionist artistic movement will be studied in depth.

635 FRENCH III

Grades 10, 11, 12

Prerequisite: French II

French III will emphasize the practice of French as the classroom language with greater fluency than in the previous year, while teaching upper level grammar as a continuation of the French II text. French history, culture and civilization will be taught using contemporary French films. This is a two trimester course.

645 FRENCH IV

Grades 11, 12

Prerequisite: French III

This two trimester course is based on independent study with teacher guidance. Students will develop advanced grammatical skills in the language and continue improving in the area of writing, including the writing of a weekly journal. In addition, students will be required to research and present "exposes", short presentations in PowerPoint, regarding any topic of interest related to French civilization.

MATHEMATICS

211 ALGEBRA I

Grade 9

Prerequisite: None

This is a three trimester course designed for students who are proficient in all of the basic math skills. It will introduce students to algebraic terms, concepts, procedures, applications, and graphing. As a foundation course, it prepares students for Algebra II, Geometry, and higher levels of science.

210 MATH LAB

Grades 9,10

Prerequisite: Taken concurrently with Geometry-This class is available by district placement & cannot be taken otherwise.

This three trimester class will provide additional support to students in their effort to meet the standards of more rigorous and relevant mathematics courses. This course will be taught concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

218 ALGEBRA II

Grades 10, 11

Prerequisite: Algebra I

This class prepares students for Pre-Calculus. This three trimester course follows the content of Algebra I. This course extends the topics first seen in Algebra I and provides advanced skills in algebraic operations. Additionally, linear and quadratic functions and relations, exponential and logarithmic functions, graphing, and sequences and series will be explored. This class prepares students for Pre-calculus and high levels of science such as Physics and Chemistry.

228 ADVANCED ALGEBRA II

Grades 9, 10, 11

Suggested Prerequisites: NWEA math score of 251 or higher, PSAT math score 480 or higher, possible teacher recommendation, Algebra 1 credit and preferred Geometry credit. Students not meeting these suggestions can qualify with a signed waiver.

This three trimester class prepares students for Advanced Pre-Calculus. This course extends the topics first seen in Algebra I and provides advanced skills in algebraic operations. Additionally, linear and quadratic functions and relations, exponential and logarithmic functions, and graphing will be explored. Further study will include trigonometric ratios and functions, and conic sections. Deeper understanding of concepts will be explored through math modeling. This class prepares students for Advanced Pre-Calculus and high levels of science such as Physics and Chemistry.

225 GEOMETRY

Grades 9, 10,11

Prerequisite: Algebra I

This class prepares students for Algebra II. This three trimester course will introduce students to geometric terms and concepts. This course develops a structured mathematical system employing both deductive and inductive reasoning. It includes plane, spatial, coordinate, and transformational geometry. Algebraic methods are used to solve problems involving geometric principles. This course requires a high degree of logical thinking to perform rigorous geometric proofs.

231 PRE-CALCULUS

Grades 11,12

Prerequisite: Algebra II & Geometry credit, teacher recommendation

This three trimester course is intended for students who have completed Algebra 1, Geometry, and Algebra II and would like a solid preparation for college mathematics. Topics covered include families of functions, such as; a study of polynomial, rational, exponential, logarithmic and trigonometric functions, as well as the conics.

10237 AP PRE-CALC

Grades 11, 12

Prerequisite: Advanced Algebra II and Geometry credit, teacher recommendation

In this course, all topics will be covered that are in the AP Precalculus curriculum according to the College Board. All topics will require you to solve related problems graphically, numerically, analytically, and/or verbally. One of the main points of this class is to prepare each student for the AP Precalculus exam in May.

241 CALCULUS

Grades 11, 12

Prerequisite: Pre-Calculus credit & teacher recommendation

Calculus consists of two trimesters of work in introductory Calculus and related topics, comparable to courses in colleges and universities. This course is intended for students wishing to be exposed to Calculus concepts prior to entering college courses. It is not intended for those wishing to pursue AP course credit. The course covers limits, derivatives, indefinite and definite integrals. This course is intended for students who have a thorough knowledge of college preparatory mathematics, including Algebra, Geometry and Trigonometry.

293 AP CALCULUS 1 (AB)

Grades 11, 12

Prerequisite: Pre-Calculus credit and teacher recommendation

Advanced Placement Calculus consists of a full year of work in calculus and related topics, comparable to courses in colleges and universities. The course covers the concepts of limits, derivatives, curve sketching, definite and indefinite integrals, area, volume, transcendental functions, solid geometry and partial differentiation. This course is intended for students who have a thorough knowledge of college preparatory mathematics, including Algebra, Trigonometry, Analytic Geometry, and elementary functions. Students are required to have a graphing calculator. For the 2023/2024 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

297 AP CALCULUS 2 (BC)

Grades 11, 12

Prerequisite: AP Calculus AB

This is a college-level Calculus course designed to meet the Advanced Placement curricular requirements for Calculus BC (equivalent to one year of college Calculus). The major topics of this course are limits, derivatives, integrals, the Fundamental Theorem of Calculus, and series. We will investigate and analyze course topics using equations, graphs, tables, and words, with a particular emphasis on a conceptual understanding of Calculus. Applications, in particular to solid Geometry and Physics, will be studied where appropriate. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

251 STATISTICS

Grades 11, 12

Prerequisite: Algebra I, Geometry, and Algebra II

This two trimester course is an introduction to the study of probability, interpretation of data, and fundamental statistical problem solving. The course will cover basic statistical concepts that will prepare the student to take a college-level statistics course in the future. Students will explore and analyze data by observing patterns or the absence of patterns, interpret information from graphical and tabular displays, apply appropriate statistical models to infer information from data, and learn to use technology in solving statistical problems.

253 AP STATISTICS

Grades 11, 12

Prerequisite: B in Algebra II or Pre-Calculus

This course will be an introductory, non-calculus based course in statistics built around four main topics.

Exploring Data: Observing patterns and departures from patterns (interpreting graphical displays of distributions of univariate data, summarizing distributions of univariate data, comparing distributions of univariate data, exploring bivariate data and exploring categorical data).

Planning a Study: Deciding what and how to measure (Overviews of methods of data collection, planning and conducting surveys, planning and conducting experiments, and generalizability of results from observational studies, experimental studies and surveys).

Anticipating Patterns: Producing Models using probability theory and simulation (probability as relative frequency, combining independent random variables, the normal distribution, and sampling distribution).

Statistical Inference: Confirming Models (Confidence intervals, tests of significance, and special cases of normally distributed data). For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

207 MATH REASONING A & B

Grade 11, 12

Prerequisite: Senior status or teacher recommendation

This two trimester course introduces topics in math reasoning, problem solving and theory. Topics in part 1 include: Problem Solving & Critical Thinking, Set Theory, Logic, Sequences & Series and Mathematical Reasoning. Topics in part 2 include: Personal Finance, Counting Methods & Probability Theory, Statistics, and Graph Theory. Reasoning from known facts to reach a logical conclusion is central to mathematics and is essential for successful problem solving in almost all aspects of life.

10433 INTRO TO STEM

Grades: 9,10,11,12

This one trimester course teaches students how to design and implement computer-based solutions to problems, implement commonly used algorithms, code fluently using the programming language Java, and includes a structured lab component composed of a minimum of 20 hours of hands-on lab experiences.

261 ROBOTICS I
Grades 9, 10, 11, 12
Prerequisite: None

This one trimester course provides an introduction to robotics for students with no programming background using NXT kits. Students will learn to construct, control, and program these robots through investigative and exploration activities. Research projects will expose the students to the engineering process. This is not a math credit. This course counts as a .5 art credit towards graduation.

262 ROBOTICS II
Grades 9, 10, 11, 12
Prerequisite: Robotics I

This one trimester course provides a continuation of Robotics I using NXT kits. Students will construct, control and program robots through investigative and exploration activities. Research projects will expose students to the engineering process. This is not a math credit. This course counts as a .5 art credit towards graduation.

NOTE: IT IS RECOMMENDED THAT ALL STUDENTS TAKING A MATH CLASS HAVE THEIR OWN GRAPHING CALCULATOR.

MUSIC

080 MARCHING BAND (1st Trimester)

Grades 9, 10, 11, 12

Prerequisites: Previous musical experience and attendance at all summer/after school rehearsals.

The marching band is a performing ensemble of winds, percussion and color guard. As a member of the marching band, group effort and cooperating is necessary to a successful program. The marching band provides halftime entertainment at all home varsity football games, performs in various parades and performs at local marching festivals. Students get the opportunity to attend marching band camp during the month of August. In this course each student is expected to show both technical and musical growth throughout the season.

088/89 CONCERT BAND (2ND & 3RD Trimester)

Grades 9, 10, 11, 12

Prerequisites: Previous musical experience and audition or placement into ensemble.

This two-trimester ensemble will focus on playing with expression and technical accuracy, as well as exploration of solo and small ensemble literature. A wide variety of musical compositions will be utilized as students study the practices common across different genres of music. Students will learn how to gain information about the dynamics, style, and technical demands of a piece from how a musical phrase is constructed, as well as the technical vocabulary most often used by composers. Students will learn to portray feelings and emotions to an audience through their performance. They will also become familiar with and learn to read a score of four or more parts. Students will explore the wide variety of careers available in the field of music, as well as study contemporary popular music to discover how to produce the sounds that make this genre so recognizable. Activities for this ensemble will include performing at various concerts, festivals, and venues throughout the duration of the course.

084 Instrument Studies

Grades 9, 10, 11, 12

This instrumental studies course is designed for students seeking to learn an instrument for the first time or advance current musical study on an instrument. During the course students will be given both hands-on instruction and personal practice to develop and fine-tune musical skills on their chosen instrument. The purpose of this course is to prepare students to perform as a soloist or to participate in performance based ensembles. The course is open to all instrumental levels and instrumentation. Students will document weekly goals, receive instruction, and have one formal performance at the end of the trimester.

071 CHOIR

Grades 9, 10, 11, 12

Prerequisite: None

In this course, students will become familiar with and learn the basics of vocal music. Students will explore a variety of vocal literature that is representative of all styles of music. Students will learn how to develop the clarity and flexibility of their voice. Students will learn how to sing in two to four-part harmony as a member of an ensemble, both with and without accompaniment. Solo literature will be utilized to explore the ability of the voice to produce a variety of musical textures, sonorities, and expressive qualities.

Activities for this course include a multitude of performances such as singing the national anthem at sporting events, festivals as well as concerts.

073 FROM BACH TO ROCK (Music Appreciation)

Grades 9, 10, 11, 12

Prerequisite: None

This class is designed to give students a basic understanding of music and to inspire an appreciation for music from a variety of genres and cultures. We will apply the elements of music to our favorite music, learn how to read and apply rhythmic notation, and investigate how music has changed throughout history. Students will demonstrate their knowledge through various hands-on activities, including presentations on artists and composers of their choice, and bucket drumming.

076 MUSIC THEORY & TECHNOLOGY

Grades 9, 10, 11, 12

Prerequisite: None

The purpose of this course is to enhance the student's understanding of the underlying principles of music. The course covers topics ranging from basic rhythm, pitches, note reading to basic song/composition writing. Students will also explore music software and online resources throughout the class.

01977 JAZZ

Grades: 9, 10, 11, 12

The purpose of this course is to play jazz through a variety of different styles of jazz music. These styles are blues, shuffle, ballad, samba, and rock. Student will play and improve upon improvisation through chordal and alternative forms, including rhythm changes, and blues form. Finally, the members of the jazz ensemble will prepare for performances, festivals, and contests.

PHYSICAL EDUCATION AND HEALTH EDUCATION

901 PERSONAL FITNESS

Grades 9, 10

Prerequisite: This class should be taken in freshman or sophomore year.

This one trimester course is intended to focus on fitness and muscular strength as well as exposure to individual and team sports (basketball, volleyball, softball, football, etc.). This class may not be repeated once passed.

904 TEAM SPORTS

Grades 9, 10, 11, 12

Prerequisite: None

This trimester class will do skill work at the beginning of the trimester and lead into tournaments. Students will play various team sports, including basketball, volleyball, softball, team handball, soccer and football. This class may be repeated.

906 AEROBICS

Grades 9, 10, 11, 12

Prerequisite: None

This fun filled class helps students get in shape and keep fit. Activities include: aerobics, dance aerobics, body sculpting, and working with weights in the weight room. This class may be repeated.

902 WEIGHT TRAINING

Grades 9, 10, 11, 12

Prerequisite: None

Students will learn weight room safety, lifting techniques, as well as common and anatomical muscles. Students will follow and chart a required lifting program on specific days. On non-lifting days, students will be required to participate in a team sport activity. This class may be repeated.

903 GIRLS' WEIGHT TRAINING

Grades 9, 10, 11, 12

Prerequisite: None

Girls' Weight Training is a one-trimester class designed to enhance a student's basic skill level in weight training as well as her strength and conditioning. Students will work on basic techniques in weight training which will include proper lifting techniques, spotting techniques, and muscles targeted by movement. Students will also work on core conditioning using ladders, jump ropes, Plyometric boxes, Vertimax, ring jumps, push-ups, sit-ups and form run.

911 FOOTBALL TECH

Grades 9, 10, 11

Prerequisite: Department/Instructor Permission

This is the most intense physical education class offered at H.H.S. It will involve extensive weightlifting workouts as well as physically intense plyometric (muscle reaction/explosiveness training) workouts. There will also be study of sports video and testing of knowledge of certain varsity sports. This is a class that is designed for only the most serious of varsity athletes.

912 SOFTBALL /BASEBALL TECH

Grades 9, 10, 11, 12

Prerequisite: Background in Softball/Baseball

Softball/Baseball Tech is a one-trimester class designed to enhance a student's basic skill level in the sport, as well as the strength and conditioning needed to compete. Students will balance skills, including hitting, fielding and throwing, and situations and plays with conditioning, including core conditioning and weight lifting. This class will prepare students for Softball/Baseball try-outs at various levels.

914 BASKETBALL TECH

Grades 9, 10, 11, 12

Prerequisite: Background in Basketball

Basketball Tech is a one-trimester class designed to enhance a student's basic skill level in the sport as well as the strength and conditioning needed to compete. Students will balance skills, including shooting, defense, and situations and plays, with conditioning, including core conditioning and weight lifting. This class will prepare students for Basketball try-outs at various levels.

916 VOLLEYBALL TECH

Grades 9, 10, 11

Prerequisite: Volleyball Knowledge

Volleyball Tech is a one trimester class designed to enhance a student's basic skill level in the sports as well as the strength and conditioning needed to compete. Students will balance skills, including passing, setting, spiking, blocking, serving, plays and coverage with conditioning which includes core and weight training. The class will prepare students for volleyball try-outs at various levels.

917 HEALTH

Grade 9

Prerequisite: Graduation Requirement

This course describes the basic components of emotional and physical wellness. Topics included are conflict and violence prevention; advocacy against alcohol, tobacco, and other drugs; character education; sexual and reproductive education; physical health and nutrition.

NOTE: The following may be taken to fulfill the Physical Education requirement for graduation:

901	Physical Education	902	Weight Training
904	Team Sports	911	Sports Tech
906	Aerobics/Weight Training	914	Basketball Tech
912	Softball/Baseball Tech		

SCIENCE

301 BIOLOGY

Grade 9

Prerequisite: None

This is a required course. It is a thorough study of the characteristics of life, cellular biology, genetics, evolution of organisms and ecology. Classroom activities include hands-on lab activities, problem solving skills, application of the scientific method, and relating biology to everyday experiences. Successful completion of Biology is a prerequisite for Physical Science, AP Biology, Anatomy & Physiology, Ecology, Environmental Science, and Zoology. This class is two trimesters long.

387 AP BIOLOGY

Grades 11, 12

Prerequisites: C+ in Physical Science and Biology, Pre/Co Requisite Chemistry or Accelerated Chemistry and teacher recommendation.

This full year class is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs and inquiry during class time. The College Board redesigned the curriculum in 2013, and although the amount of material has been reduced, the emphasis on scientific thinking and analytical thinking has increased. The course has been structured differently to allow for more class time for inquiry based labs and discussions. The new AP Biology curriculum encompasses 4 "Big Ideas", with Essential Knowledge and Process Skills that support each one. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

311 PHYSICAL SCIENCE

Grade 10

Prerequisite: Sophomore status, completion of Biology

This two trimester course covers the two main branches of physical science; physics and chemistry. Chemistry is the study of matter and its changes. Physics is the study of physical phenomena as described in terms of two fundamental concepts; matter and energy. Classroom activities include hands-on lab activities, problem solving skills, application of the scientific method, and relating physical science to everyday experiences. *In order to move on to Chemistry and Physics, students must either successfully complete Physical Science, or test out of Physical Science at the end of the 9th grade year. One test-out time will be scheduled during the school year, at a pre-announced date; students will need to score 80% or higher on both halves of the test to successfully test out.*

341 ANATOMY AND PHYSIOLOGY 1

Grades 10, 11, 12

Prerequisites: successful completion of Biology with recommended "C" grade, sophomore and teacher recommendation.

The purpose of this two trimester course is to provide a technical background to those persons seeking careers in the medical field or related areas. Classroom activities include hands-on lab activities, such as dissections, problem solving skills, application of the scientific method, and relating anatomy to everyday experiences and careers. In addition, the course provides a thorough understanding of the structure and function of the human body. This course is sequential, so students must complete the first trimester before taking the second.

343 ANATOMY AND PHYSIOLOGY 2

Grades 11, 12

Prerequisites: successful completion of Anatomy and Physiology 1 A and B

This one trimester course is an extension of Anatomy and Physiology 1 A and B. Some topics covered will include: Review of anatomical positions and body regions, Immunology with the study of diseases, their symptoms, causes and cures, as well as a unit on medical terminology. The course will include a unit on the different medical professions and what the job requirements are for each, as well as a review of all systems to prepare students for the collegiate level. There may be some additional dissection as well.

321 CHEMISTRY

Grades 11, 12

Prerequisite: completion or test-out of Physical Science.

Chemistry is a study of the composition of matter and possible changes it might undergo. Emphasis is placed on atoms, elements, compounds, molecules, and chemical reactions. Laboratory activities are designed to reinforce or clarify classroom work. Both lectures and laboratories are included. This is an introductory course which fulfills all State of Michigan required standards for Chemistry. This class is two trimesters long.

325 ACCELERATED CHEMISTRY

Grades 11, 12

Prerequisite: Successful test-out or C+ or higher in Physical Science, a minimum "C+" average in the following courses: Algebra I, Physical Science, Biology. Additionally, Geometry, Pre-Calculus recommended.

Chemistry is a study of the composition of matter and possible changes it might undergo. Emphasis is placed on atoms, elements, compounds, molecules, and chemical reactions. Laboratory activities are designed to reinforce or clarify classroom work. Both lectures and laboratories are included. In addition to the State of Michigan required standards for Chemistry, this course includes recommended standards to prepare students for advanced college coursework in Chemistry. This class is two trimesters long.

334 AP PHYSICS 1

Grades 11, 12

Prerequisites: Successful test-out or C+ or higher in Physical Science, C+ or better in Algebra I and Geometry. Algebra II and/or Pre-Calculus is recommended, but may be taken in the same year.

AP Physics 1 consists of a full year of work in Physics, comparable to an introductory level university Physics course. General physics topics presented during the course closely follow those outlined by the College Board in the field of mechanics, as well as waves, sound and basic electrical circuits. Students will participate in inquiry-based laboratory explorations of these topics, as well as using physics formulas to solve mathematical problems in these areas. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

337 AP PHYSICS 2

Grades 11, 12

Prerequisite: successful completion of AP Physics 1

AP Physics 2 consists of a full year of work in Physics, comparable to a second-semester introductory level university Physics course. General Physics topics presented during the course closely follow those outlined by the College Board in fluids, thermodynamics, electromagnetism, optics and modern physics. Students will participate in inquiry-based laboratory explorations of these topics, as well as using physics formulas to solve mathematical problems in these areas. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

351 ENVIRONMENTAL SCIENCE A

Grades 10, 11, 12

Prerequisite: Successful completion of Biology with recommended of "C" or better.

This class takes an in-depth look at ecology and the role humans play in the world's environment. Topics include biodiversity, conservation, population ecology and urbanization. Students will do research and work on projects that are based on current events and basic ecological principles. Students interested in careers in science, natural resource management and the environment will benefit from the course. The course includes outdoor lab activities (field work). Can be taken independently of Environmental Science "B".

352 ENVIRONMENTAL SCIENCE B

Grades 10, 11, 12

Prerequisite: Successful completion of Biology with recommended of "C" or better.

This class will focus on the Earth's natural resources and the future of energy. Students will learn about the Forestry Service and forestry management, farming, mining and oil exploration, climate change and renewable energy. Long-term projects will be correlated to course topics. The course includes outdoor lab activities (field work). Can be taken independently of Environmental Science "A".

10320 ASTRONOMY

Grades: 9, 10, 11, 12

Prerequisite: None

This one trimester course is an elective science class that will cover many aspects of the known universe. Astronomy will cover topics such as the history of understanding the solar system and universe and planets and their moons.

361 ECOLOGY

Grades 10, 11, 12

Prerequisite: Successful completion of Biology.

This course is an overview of the history, administration and application of wildlife management in the United States. Topics include habitat restoration, invasive species ecology and wildlife biology. Research and projects focus on organisms in North America. Students interested in the outdoors, including possible outdoor careers, will benefit from this class. The course includes outdoor lab activities (field work).

371 ZOOLOGY A

Grades 10, 11, 12

Prerequisite: Biology with recommended "C" or better. This course is the anatomy and physiology of animals.

This course is a detailed study of the Animal Kingdom, form and function. Topics of study in this class include the Latin Classification System, anatomy, physiology, and diseases of invertebrates. Laboratory activities will include dissection. Topics will include: classification, organization of kingdoms, sponges, cnidarians, worms, mollusks, arthropods, insects, and echinoderms. Although both are recommended, this class can be taken independently of Zoology "B".

372 ZOOLOGY B

Grades 10, 11, 12

Prerequisite: Biology with recommended "C" or better. This course is the anatomy and physiology of animals.

This course is a detailed study of the Animal Kingdom, form and function. Topics of study in this class include the Latin Classification System, anatomy, physiology, and diseases of vertebrates. Laboratory activities will include dissection. Topics will include: classification, fish, amphibians, reptiles, birds, and mammals. Although both are recommended, this class can be taken independently of Zoology "A".

SOCIAL STUDIES

501 WORLD HISTORY A

Grade 9

Prerequisite: None

This trimester course will help students understand the history of different civilizations from the post-Roman era through the Enlightenment. The course concludes with events such as the French Revolution, as well as the study of the evolution of Western culture and society. Students should expect to not only gain knowledge of the facts of history, but also skills and experience in interpreting these facts. Students' development of these historical thinking skills will move them toward a more well-rounded understanding of the world today.

502 WORLD HISTORY B

Grade 9

Prerequisite: None

This trimester course will help students understand the history of the world from the Industrial Revolution and late-19th century Imperialism through the Cold War. The course includes events such as World War I and World War II, as well as the study of the evolution of culture and society during this modern era. Students should expect to not only gain knowledge of the facts of history, but also skills and experience in interpreting these facts. Students' development of these historical thinking skills will move them toward a more well-rounded understanding of the world today.

517 MILITARY HISTORY

Grades 9, 10, 11, 12

Prerequisite: None

The objective of Military History is for students to examine the role of military conflict in both the ancient and modern world. Students will research and analyze the strategic, technological, cultural, and political influence of warfare on human history and the development of civilizations and nation states from Ancient Mesopotamia to the U.S. War on Terror. Additionally, this course will debate the many reasons why military conquest has shaped governments, political boundaries, and future events. Current required history courses are filled with details regarding political, social, and cultural progression. As required, military conflict is something relevant and discussed in coordination with these components of the core classes. This course will utilize many of the same standards covered in the core history courses. Also, it will revisit core themes from prior grade levels. This one trimester Military History Course will expand greatly upon military history content discussed in both core classes, and will bridge the gap between the two by focusing on major World and United States wars and battles.

405 APP CONSUMER ECON

Grades 11, 12

Prerequisite: Juniors must have earned credit in World and U.S. History or Senior status.

The mission of Economics is to involve the student with purposeful activities that will provide the information and concepts essential for understanding the U.S. Economic system. Skills needed to succeed in career decision making, financial planning, and consumer spending are presented and practiced.

531 U.S. GOVERNMENT AND CIVICS

Grades 11, 12

Prerequisite: Required for graduation; Junior or Senior status

U.S. Government and Civics is a one trimester course that explores the workings of our government and the participatory skills needed for healthy American citizenship. Students will study the rights they enjoy as Americans found in the Bill of Rights, the different forms of government in the world today, and learn how, when, and where to apply civic knowledge in the many and varied roles of citizens.

593 AP GOVERNMENT

Grades 11, 12

Prerequisite: Junior or Senior by instructor permission only

AP Government and Politics is a highly structured, very demanding college-level course. Students are required not only to thoroughly read the college-level text but, also, to augment this material through research and reading of supplemental articles. Subsequent to that, students must critically apply the findings to the political nature of current governmental policies and analyze the ramifications of these policies. This year-long course is designed to enable students to develop a critical perspective of government and politics in the United States. The nature of the American political system, its development over the past two centuries, and how it works today are examined. Both general concepts and specific case studies are stressed. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

511 UNITED STATES HISTORY

Grades 10, 11,12

Prerequisite: Required for graduation; sophomore status

The mission of this two trimester class is to educate students about the country they live in and the people who have preceded them from 1865 to present. Using primary documents and historical chronology, students will analyze, synthesize, evaluate, compare, contrast, and argue this information. This purposeful information can be applied to today's challenges and help create a solid foundation for future study.

518 NATIVE AMERICAN CULTURE AND HISTORY

Grades 10, 11, 12

Prerequisite: Sophomore status and completion of World History A and B

Native American Culture and History is a one trimester course that focuses on the people and cultures present in Huron Township, Michigan, and America before European expansion. The class will use a variety of sources, including guest speakers, to understand the complex (and often strained) relationship between Native Tribes and the U.S. Government. Lastly, students will become stewards for Huron Schools by establishing and maintaining a dialogue between themselves and various tribes to better understand the current state of native people today. An emphasis on respect and appreciation of the people that came before us will be the hallmark of the course.

10526 ANCIENT HISTORY

Grades 10,11, 12

Prerequisite: Sophomore, Junior, or Senior status.

Ancient History is a one trimester course that spans from the dawn of humanity through the height of the Roman Empire. Students will study the Paleolithic and Neolithic eras, Ancient Egypt, Greece, the Viking tribes, and Rome. The class studies migration patterns, leadership roles, mythologies, and the creation of civilization. Assignments are largely project and research-based, with occasional tests and quizzes. Join us to learn about The Epic of Gilgamesh, Cleopatra, Erik the Red, Julius Ceasar, and more!

513 UNITED STATES MODERN HISTORY

Grades 11, 12

Prerequisite: Junior or Senior status. Sophomores with teacher recommendation, preferably after taking U.S. History A and B or currently enrolled in B

This one trimester course will cover the Post WWII era to the United States' role in the world after 9/11. Students will get an in-depth look at the origins of the Cold War to its end during the Reagan administration. Students will understand the domestic policy changes of the 1960s, including the Civil Rights Movement and women's rights. Finally, students will take a look at the 9/11 terrorist attacks and the U.S. response to terrorism through domestic and international policies.

597 AP U. S. HISTORY

Grades 10, 11, 12

Prerequisite: Sophomore, Junior or Senior status and teacher recommendation.

The year-long AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to that of a full-year introductory college course. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

521 LAW

Grades 11, 12

Prerequisite: Junior or Senior status with a 2.5 or higher grade point average

The ultimate goal of these trimester-long elective courses is to provide students with a sense of belonging in society through empowerment with knowledge of the law. Law A principally focuses upon the criminal justice system. Law B focuses upon the civil justice system and constitutional law. The curricula for both courses include case studies, simulations, mock trials, and the opportunity to participate in Teen Tribunal sessions with the 34th District Court.

545 HUMAN BEHAVIOR

Grades 11, 12

Prerequisite: Junior or Senior status

This trimester course is concerned with how people behave in groups and how group interaction shapes their behavior. It also studies the rules, organizations and value systems which enable humans to live together. Stress is placed on cultural differences in behavior. A major survey project must be completed.

541 PSYCHOLOGY

Grades 11, 12

Prerequisite: Junior or Senior status

This trimester course is an effort to introduce the student to an overall picture of psychology. This will incorporate the influences of biology and sociology. The class also includes a study of sensation, perception, remembering, language, motivation, emotion, personality, mental disorders, and therapies. A research paper and presentation must be completed.

542 PSYCHOLOGY II

Grades 11, 12

Prerequisite: Junior or Senior Status, B- or better in Psychology

This trimester class is designed to build upon the learning from the introductory psychology class. The class will involve more in-depth research into psychological concepts and theories. Along with note taking, homework assignments, quizzes and tests, students will be expected to do extensive research assignments as well as read psychology related novels. Video will be utilized extensively in this class for demonstrative purposes. Since this class will be run under the assumption that students will be required to have a full grasp of the knowledge from the introductory class, students will be required to have held at least a B- average in Psychology to enroll.

590 AP PSYCHOLOGY

Grades 11, 12

Prerequisite: Junior or Senior Status & teacher approval.

The purpose of AP Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and animals. Included is a consideration of the psychological fact, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. The goal of AP Psychology is to provide a learning experience equivalent to that obtained in most college introductory psychology courses. Through this college-level course and the subsequent exam, you can earn college credit and/or advanced placement. Summer work will be expected. For the 2023/24 school year, the preferred deadline to order your AP exam is October 1, 2023. The cost is \$96.00. There are rebates available for students that qualify for free & reduced lunch.

506 INTRODUCTION TO "THE 7 HABITS OF HIGHLY EFFECTIVE TEENS"

Grades 9, 10, 11, 12

Prerequisite: None

Introduction to "The 7 Habits of Highly Effective Teens" focuses on teaching students how "The 7 Habits of Highly Effective People" will help them practically apply personal leadership principles to daily choices. Focal points of this one trimester course include taking control of responsibilities, focusing on what is important, prioritizing tasks, working with others to communicate and find common ground, and the importance of continuous self-improvement and personal renewal.

507 LIVING "THE 7 HABITS"

Grades 9, 10, 11, 12

Prerequisite: Passing grade in Introduction to "The 7 Habits of Highly Effective Teens".

Living "The 7 Habits" takes the information learned in the introduction prerequisite course and offers opportunities for students to apply them to life's current and future challenges. In this one trimester course, students will be presented with the obstacles associated with their everyday lives: academics, sports, clubs and organizations, friendships, work, college, etc. By analyzing these challenges and applying the techniques learned in "The 7 Habits", students will begin to accumulate the skills necessary to manage these encounters in the most effective and efficient ways.

SPECIAL COURSES

960 COLLEGE STUDY

Grades 9, 10, 11, 12

Prerequisites: Qualifying PLAN, PSAT, or MME test score and counselor approval

Students taking DUAL ENROLLMENT have the opportunity to earn both high school and college credit. Students will receive a "G" for college study credits which will not affect their high school GPA. Any college courses selected by students must meet all criteria set forth by the Michigan Department of Education, and be facilitated through the counselors. Students are responsible for completing the admissions and enrollment process with the college by the following deadlines:

Fall Semester (first & second trimester @ Huron HS)-May 10th, 2024

Winter Semester (second & third trimester @ Huron HS) - November 10th, 2023

Failure to complete this process by the above deadlines will result in being dropped from College Study/Dual Enrollment. No exceptions will be made.

10952 VIRTUAL ONLINE CLASS

Grades 9, 10, 11, 12

Prerequisite: None

Online class opportunities through Michigan Virtual (www.mivhs.org) are available to Huron High School students. See your counselor for more information. Certain documentation is required, and must be completed for all trimesters of the 2023-2024 school year by March 3, 2023. Exceptions to this deadline will be made only in the event of a scheduling conflict, or under certain extenuating circumstances as determined by Huron High School Administration.

CAREER /TECHNICAL EDUCATION

The objective of a career technical class is to provide a very sophisticated training experience for the student while still in high school, so upon graduation, one might directly enter the labor market or continue on for advanced training in the chosen career area. Toward this end, the career technical programs have adopted the curriculum developed by the State of Michigan, which provides for training that has been identified as necessary for each specific occupational area.

960GB- Cybersecurity I & II

Grades 11, 12

Location: Henry Ford College MTech Campus

Note: This is a two-year Dual Enrollment Program offered through Henry Ford College, supported by DCTC and Carlson High School

Students will earn up to 28 college credits in the program. Students are required to follow the Henry Ford College schedule for classes. Transportation for the first year is provided from a participating DCTC school to HFC. Second year students are required to provide their own transportation.

This course offers a mid-level understanding of the technological needs, threats, and vulnerabilities of hardware, software, operating systems, networks and the internet. Students will examine operating systems, networks, tools and protocols needed to navigate, use, and manage security technologies as well as gain insight into the legal, social, and political dynamics of the cyber universe. Designed for students who are interested in cyber defense.

460 RV- Heating, Ventilation and Cooling I & II (HVAC)

Grades: 11 - 12

Location: Henry Ford College Campus

Note: This is a two-year Dual Enrollment Program offered through Henry Ford College, supported by DCTC and Riverview High School

Prerequisite: Successful completion of a math class, any industrial arts class, and with instructor and counselor approval

Students will earn up to 24 college credits in the program. Students are required to follow the Henry Ford College schedule for classes. Transportation for the first year is provided from a participating DCTC school to HFC. Second year students are required to provide their own transportation.

Students learn fundamentals of refrigeration and air conditioning, and are introduced to temperature, pressure, and measurements. Students will learn the use of refrigeration hand

tools and equipment along with the operation of domestic refrigeration and air conditioning.

Students learn troubleshooting of all equipment, use of refrigerant recovery and recycling/reclaiming, service of commercial applications, and basic heating service and installation. Students are given the certification exam.

850HU-Manufacturing Engineering and CNC Technology I & II

Grades 11 - 12

Location: Henry Ford College MTech Campus

Note: This is a two-year Dual Enrollment Program offered through Henry Ford College, supported by DCTC and Huron High School

Students will earn approximately 18 college credits in the program. Students are required to follow the Henry Ford College schedule for classes. Transportation for the first year is provided from a participating DCTC school to HFC. Second year students are required to provide their own transportation.

This program provides students with the opportunity to obtain skills with Computer Numerical Controlled equipment as part of an Engineering curriculum. Students enrolled in the program will receive training on the latest equipment used in the modern manufacturing environment at Henry Ford College.

110AT AGRISCIENCE 1/ZOOLOGY

Grades 11, 12

Location: Airport HS

Prerequisite: Junior or Senior status.

This course will focus on plant parts, function, use, classification, and specific forms of plant production. Practical applications in forestry, landscaping, greenhouse production, pesticides, conservation and crop production will illustrate the need and use for plants in our society and environment. Major natural resources topics of study include: wildlife, forestry, soil, air, water, minerals and energy sources. This course will make students aware of career opportunities in the areas of plant science and production, natural resources and conservation. Agricultural business and marketing will also be explored.

112AT AGRISCIENCE 2/BOTANY

Grades 11, 12

Location: Airport HS

Prerequisite: Junior or Senior status

This course will focus on plant parts, function, use, classification, and specific forms of plant production. Practical applications in forestry, landscaping, greenhouse production, pesticides, conservation and crop production will illustrate the need and use for plants in our society and environment. Major natural resources topics of study include: wildlife, forestry, soil, air, water, minerals and energy sources. This course will make students aware of career opportunities in the areas of plant science and production, natural resources and conservation. Agricultural business and marketing will also be explored.

810AT ARCHITECTURAL DRAFTING I AND II

Grades 11, 12

Location: Airport HS

Prerequisite: Junior or Senior status.

The course serves as a solid foundation course for all students, especially for students interested in the engineering field. The course time is split between manual drawing and AutoCAD. Units of instruction include the use of drafting instruments, lettering technique, geometric construction, orthographic projection, pictorial drawing, and basic dimensioning. This course is designed to introduce drafting students to computer-aided drafting and design. The functions of the computer as an aid in drafting will be taught. Students will construct drawings with the computer and make copies with the printer and plotter. No previous computer experience is necessary. Drafting/CAD is a required course for the student with plans to pursue further study in CAD Technology.

210HU AUTO BODY I/COLLISION REPAIR I

Grades 10, 11

Location: Huron

Prerequisite: Metal/woods class if available, and instructor and counselor approval

Students will receive a thorough understanding of the auto collision trades, its working conditions, and requirements. Special emphasis will be placed on promoting a strong grasp of what it means to be a professional technician employed in the auto collision repair trade. Topics covered include:

- General shop safety ▪ Body repair hand and power tools
- Personal safety in the body shop ▪ Body fillers and abrasives
- Demonstrating lift equipment ▪ R & R Bolt-on components
- Identifying auto body parts ▪ MIG welding safety and set-up
- General hand tools ▪ Fiberglass repair
- Oxyacetylene safety and set up ▪ Repairing automotive plastics

- Oxyacetylene flame cutting ▪ Plasma cutting

212HU AUTO BODY II/ COLLISION REPAIR II

Grades 11, 12

Prerequisite: Junior or Senior status, Auto Body I

When a student returns to the Auto Collision program, the assumption is made that he or she is very serious about entering the auto body trade as a career. It is, therefore, extremely important that these students work especially hard to gain the skills that will make them competitive.

All returning students must review and pass all safety tests. Second-year students will receive training in the basics of refinishing automobiles. Topics covered include:

- Masking auto body parts ▪ Refinishing non-metal flexible parts
- Paint product and application safety
- Performing hands-on duties ▪ Identifying paint codes ▪ Mixing with intermix paint system ▪ Sanding auto body parts ▪ Types of rubbing compounds ▪ Spray booth orientation
- Types of spray guns ▪ Prepping new parts for finishing ▪ Paint Systems

Auto Body Collision Repair III - NATEF Certified – Work-based Learning

Grade 12

Location: Huron HS

Prerequisite: Successful completion of Auto Body Collision Repair I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing automotive collision repair as a career path and has successfully completed Auto Body Collision Repair I and II. Students in this class should have a placement in an approved auto body collision repair business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Auto Body Collision Repair III class one day per week to be determined by the instructor.

220HU- AUTO TECH I

Grades 10, 11

Location: Huron

Prerequisite: Sophomore, Junior status

This class is designed for the student who is considering automotive technology as a career path. This is the first in a series of two classes that spend a great deal of time working on tasks that will help toward that student becoming ASE certified after they have completed school. ASE requires two years of paid industry work experience for certification, and the skills students learn here will help them get that first job in the field. All areas of ASE certifiable repair will be discussed with emphasis on electrical and steering/suspension. Fifty percent of the class will be held in the lab and students will be expected to work on a daily basis. The remainder of the class will be held in the classroom, and students will continue to learn the theory and operation of more complex parts and systems. Students will be expected to wear proper attire in the shop, follow all safety rules, and participate in hands on work.

222HU- AUTO TECH II

Grades 11, 12

Location: Huron

Prerequisite: Junior or Senior status

This class is designed for the student who has chosen automotive technology as a career path. This is the second in a series of two classes that spend a great deal of time working on tasks that will help toward that student becoming ASE certified after they have completed school. ASE requires two years of paid industry work experience for certification, and the skills students learn here will help them get that first job in the field. All areas of ASE certifiable repair will be discussed with emphasis on electrical and steering/suspension. The best way to learn to diagnose and repair cars and light trucks is with repetition. Students will continue to practice and master the skills they began to work with in Automotive Service Technology II. Most of the class will be held in the lab and students will be expected to work on a daily basis. The remainder of the class will be held in the classroom, and students will continue to learn the theory and operation of the most complex parts and systems. Students will be expected to wear proper attire in the shop, follow all safety rules, and participate in hands on work.

Automotive Technology III – Work-based Learning

Grade 12

Prerequisite: Successful completion of Auto Technology I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

Location: Huron

Grade: 12

This class is designed for the student who is choosing automotive technology as a career path and has successfully completed Auto Technology I and II. Students in this class should have a placement in an approved auto technology business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Auto Technology III class one day per week to be determined by the instructor.

310GI *AVIATION I

Grades: 11

Location: MIAT (Michigan Institute of Aviation Technology) College of Technology in Canton

Prerequisite: Counselor approval. Algebra and/or related math are required. Good attendance and overall grades are examined. Students must be interviewed by MIAT personnel who will determine admission. Students must provide their own transportation.

Special note: The FAA regulates this program. Perfect attendance is required. Any missed time must be made up either on weekends, holidays, or after school. The FAA also requires a stricter grading scale. Any grade below 70% is failing.

This program prepares students to apply technical knowledge and skills to repair, service, and maintain all types of aircraft power plant and related systems. Instruction includes engine inspection and maintenance; lubrication and cooling; electrical and ignition systems; carburetion; fuels and fuel systems; and propeller and fan assemblies. Upon completion of Aviation Technology I and Aviation Technology II, the student is prepared and eligible to apply for licensing by the FAA as either an Airframe or Power Plant Technician.

312GI *AVIATION TECHNOLOGY II

Grade 12

Location: MIAT (Michigan Institute of Aviation Technology) College of Technology in Canton

Prerequisite: Aviation Technology I and instructor and counselor approval

In this course, students advance their understanding of aircraft engines. Most of the time spent on campus is in the lab (aircraft hangar) where students diagnose, trouble shoot, repair, and run piston and turbine aircraft engines. Completion of this year satisfies the FAA clock-hour requirement to test for the FAA power plant certificate.

Avionics Technology I

Grade 11

Location: MIAT (Michigan Institute of Aviation Technology) College of Technology in Canton

Prerequisite: Counselor approval. Algebra and/or related math are required. Good attendance and overall grades are examined. Students must be interviewed by MIAT personnel who will determine admission. Students must provide their own transportation to this program located at Willow Run Airport in Belleville.

Special note: The FAA regulates this program. Perfect attendance is required. Any missed time must be made up either on weekends, holidays, or after school. The FAA also requires a stricter grading scale. Any grade below 70% is failing.

Students gain the fundamental knowledge to begin their aviation career. The year is spent in classroom and lab activities learning basic aircraft history, aircraft weight and balance, fluid lines and fittings, electronics, and much more. Students learn a solid foundation to continue in the second year.

Avionics Technology II

Grade 12

Location: MIAT (Michigan Institute of Aviation Technology) College of Technology in Canton

Prerequisite: Avionics Technology I and instructor and counselor approval

This program prepares students to technical knowledge and skills to repair, service and maintain electronics aboard an aircraft as well as the wiring that connects to the electrical system. Through the close coordination of power plant and electronics curriculum, the student is prepared to enter aviation and non-aviation industry at an entry level. Upon completion of Avionics I and Avionics II, the student is prepared and eligible to apply for licensing by the FAA as a certified Powerplant Technician.

730TN CABINET AND FURNITURE MAKING I & II

Grades 11, 12

Location: Trenton

Prerequisite: Junior or Senior status

This woodworking program is designed to acquaint students with the sources, uses, and limitations of wood products, and to learn how humans have applied modern technology to this basic natural material to mold it to meet their needs. This program includes laboratory experiences with an emphasis on correct usage and personal safety while using both hands and power equipment focusing on selecting materials. The students will progressively gain knowledge in the use of hand tools, portable tools, the table saw and router.

Topics include wood technology and joinery as it pertains to panel construction in freestanding furniture casework. Focus is on the design and fabrication of a solid wood casework featuring a door, drawer and mortise and technology joinery, and the utilization of modern cabinetmaking equipment. Additionally, students will also learn about machine anatomy, set up, and fundamental operations. Students will demonstrate their skills of the design and fabrication of a solid wood table using leg and apron construction including a drawer.

This program is one of the most advanced woodworking labs in Michigan. Students also will learn about wood processing, the physical properties of wood, and career opportunities in the forest products industry. These full year courses provide entry-level and upgrade training in kitchen cabinet/furniture construction and provide students with a broad-based set of skills that are required by the wood products manufacturing industry and are directly transferable to the manufacturing sector in general. Students are introduced to the valuable skills necessary for entry-level employment or to enter post-secondary wood programs. This program also includes state-of-the-art cabinet making equipment where students will learn how to operate machines to perform the necessary tasks safely, efficiently and with a high degree of quality. This course stresses safety as the number one requirement to proper machine operation. Safe operating conditions will be described. Students are provided with entry-level and upgrade training in cabinet and furniture construction skills for making traditional face frame and European (32 mm) cabinet systems. Study includes cabinet analysis and design with the development of process route sheets, estimating and bill of materials commonly used in modern industry. Special emphasis is placed on specifications of state-of-the-art woodworking machinery, theory and lab machine safety.

Cabinetry II

Grade 12

Location: Trenton HS

Prerequisite: Successful completion of year one of Cabinetry/Woodworking and permission of instructor

This course provides entry-level and upgrade training in kitchen cabinet/furniture construction and provides students with a broad-based set of skills that is required by the wood products manufacturing industry and that is directly transferable to the manufacturing sector in general. Students are introduced to the valuable skills necessary for entry-level employment or enter post-secondary wood programs. The program also includes state of the art cabinetmaking equipment where students will learn how to operate machines to perform the necessary tasks safely and efficiently with a high degree of quality. This course stresses safety as the number one requirement to proper machine operation. The student is provided with entry-level and upgrade training in cabinet and furniture construction skills for making traditional face frame and European (32 mm) cabinet systems. This course includes cabinet analysis and design with the development of process route sheets, estimating, and bill of materials commonly used in modern industry. Special emphasis is placed on specifications of state-of-the-art woodworking machinery, theory, and lab machine safety.

Students are expected to perfect and hone woodworking skills. Students will have laboratory experience using high performance woodworking machines. Emphasis will be placed on the student becoming more qualified to make individual machine set-ups, and produce high quality work accurately and efficiently. It is intended that this program will better prepare students for direct entry into the wood products industry after graduation or for a smooth transition to post-secondary education and training programs. The mandate of this program is to ensure that students are knowledgeable about the wood industry and the exciting, high growth potential careers it offers.

Computer Information Technology I and II

Grades 11 - 12

Location: Airport HS

Note: This is a two-year Dual Enrollment Program offered through Schoolcraft Community College, supported by DCTC and Airport High School

This is a two-year program which consists of a sequence of courses that prepares the student for entry-level positions supporting users of microcomputer components of the operating system. During the first year, students take Introduction to Computer Based Systems and Software Applications, Microsoft Windows, Introduction to Programming Logic, and Visual Basic Net. During these courses, students will explore the features of the latest desktop operating systems, learn the fundamentals of program logic, and design as well as acquire the knowledge and skills to develop applications in Microsoft Visual Basic Net for the Microsoft Net platform.

During the second year, students take additional IT courses; Database Management Systems and Introduction to Networking. These courses cover in depth Microsoft Access, provide a solid instruction to networking fundamentals, and prepare students for direct entry into the IT industry after graduation or for a solid foundation for additional training.

710GB CONSTRUCTION TRADES I & II
Grades 11, 12
Locations: Southgate or Carlson HS

Prerequisite: Students should have a good math foundation and be comfortable using math and measurements extensively. Counselor and instructor approval is required for admittance to Construction Trades I. A grade of "C" or better in Construction Trades I and instructor approval is required for Construction Trades II.

This two-year class is designed to give the student in-depth instruction in problem solving, critical thinking, safety procedures and various construction skills. The following topics will be covered:

- Proper usage and identification of tools in all areas
- Safety procedures/OSHA
- Residential and industrial blueprint reading
- Blueprint drawing and interpretation
- Applied math

Specific areas of construction that will be covered include:

- Electrical - basic house wiring, electrical codes, proper terminology, electrical symbol identification, identifying a series/parallel circuit, fixing electrical equipment, and conduit bending
- Plumbing - welding and cutting with a torch, sweat soldering/brazing, basic pneumatics, basic refrigeration, basic heating, plumbing codes, plumbing symbols identification, and drawing
- Carpentry - inspection of material, drywall techniques, nailing techniques, and miter box use
- Masonry - mixing concrete and mortar, construct cinder block wall, and calculating measurement of concrete to be used
- Painting - preparing different surfaces, use of different paint types, proper cleaning of equipment, applying stains

Construction Trades III – Work-based Learning

Grade 12

Locations: Gibraltar Carlson HS OR Southgate Anderson HS

Prerequisite: Successful completion of Construction Trades I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing construction trades as a career path and has successfully completed Construction Trades I and II. Students in this class should have a placement in an approved construction business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Construction Trades III class one day per week to be determined by the instructor.

990 COSMETOLOGY I & II

Grades 11-12

Location: Riverview School of Cosmetology

Prerequisite: Students must complete an application process that will determine admission. Good attendance and overall grades are examined.

Students may be able to access transportation to their program when the DCTC bus hub is operating. Students are required to provide their own transportation from the Riverview School of Cosmetology and when the bus hub is not operating.

This two-year program prepares students for the field of cosmetology with study and hands-on experience under the direction of licensed hair care professionals. It needs to be understood that the program requires a solid commitment and long hours. The students are expected to earn the state required hours in the field of cosmetology. One accepted into the program, students are trained by licensed cosmetology educators in a hands-on environment conducive with salon reality.

Due to the state requirements, this program demands excellent attendance, strong commitment, and some monetary funding from both student and parent/guardian. The schedule is subject to change and may include the summer months and Saturday attendance. The program is structured based on state requirements. The first 350 hours will cover the basics of cosmetology. After 350 hours, the students will be able to work hands on with real guests while they continue to complete their required 1500 hours.

The successful program completer will have the necessary skills and training to sit for the State of Michigan Cosmetology licensing examination.

920WH DENTAL OCCUPATIONS I- Woodhaven

Grade 11

Location: Woodhaven HS

Prerequisite: Biology, speech, and computer experience is suggested. Approval of counselor and instructor required.

This course is designed for students who are interested in pursuing a career in some area of dentistry. Students will explore different dental occupations such as dental assisting, dental hygiene, dental laboratory technician, dentistry, dental sales, chair-side dental assisting, and dental office administrative procedures.

The entry level position a student could obtain after completion of the course sequence would be in dental assisting or dental office administrative assisting. The student will receive knowledge of dental instruments, work with dental materials, and carry out selected dental laboratory work. A unit of OSHA standards for infection control procedures and OSHA blood borne pathogens standards will be taught. Advanced placement credit through Wayne County Community College District is possible. Students will be encouraged to participate in HOSA, a student organization in Health Sciences.

922WH DENTAL OCCUPATIONS II

Grade 12

Location: Woodhaven HS

Prerequisite: Successful completion of Dental Science I and Instructor approval

This course will be a continuation of Dental Science I. Training will concentrate on radiography techniques, administrative dental office skills, dental specialties, and laboratory procedures. A unit that is substantially equivalent to an American Dental Association accredited course in radiography will be taught. The student will identify anatomical structures associated with dental radiography, process dental radiographs, and practice safety precautions when working with dental radiography equipment. The unit on dental office administrative assisting includes using a computer to process patient business and insurance forms. A unit on dental office emergencies will offer the student a chance to obtain a CPR card. Advanced placement credit through Wayne County Community College District is possible. Students will be encouraged to participate in HOSA, a student organization in Health Sciences.

Dental Science III – Work-based Learning

Grade 12

Location: Woodhaven HS

Prerequisite: Successful completion of Dental Occupations I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing an area of dentistry as a career path and has successfully completed Dental Science I and II. Students in this class should have a placement in an approved dental business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Dental Science III class one day per week to be determined by the instructor.

950GB- DIGITAL MEDIA & FILM I & II

Grades 11-12

Location: Carlson HS

This program is a study of techniques and styles in television production with an emphasis on digital cameras and digital editing. Students will do projects such as a mini movie as a group and individually. DVD creation and Adobe Photoshop will be introduced. Quizzes and tests will be given throughout. Students should be able to shoot and edit at an intermediate level by the end of the program. The objectives are to learn iMovie and Final Cut Pro software and professional video shooting techniques. Assessment is based on projects, tests, and quizzes. Students should have an entry-level understanding of computers. Students will be required to have interaction on camera and behind the camera, and they will also need to purchase media for class purposes.

The advanced level of the program is a study of advanced techniques and styles in television production with an emphasis on digital cameras and digital editing. Students will continue to do projects such as a mini movie as a group and individually. Quizzes and tests will be given throughout the second year as well. Students should be able to shoot and edit videos at an advanced level by the end of this program and will be required to show strong editing and shooting skills. A certificate of completion will be awarded at the end of this program. The objectives of the program is to master Final Cut Pro software and professional video shooting techniques. Assessment is based on projects, tests, and quizzes. Students should have a good understanding of computers. Students will be required to have a number of interactions on camera and behind the camera and they will also need to purchase media for class purposes.

Digital Multimedia/Radio & TV III – Work-based Learning

Grade 12

Location: Gibraltar Carlson HS

Prerequisite: Successful completion of Digital Multimedia/Radio & TV I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing an area of digital multimedia as a career path and has successfully completed Digital Multimedia/Radio & TV I and II. Students in this class should have a placement in an approved dental business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Digital Multimedia/Radio & TV III class one day per week to be determined by the instructor.

931TN CRIMINAL JUSTICE I & II

Grades 11, 12

Location: Trenton HS

Note: This is a two-year Dual Enrollment Program offered through Wayne County Community College

Overview of criminal justice system, including historical development, present status, and suggested reforms. Includes detailed descriptions of the duties and functions of actors in the criminal justice system, including: victim, offender, police, prosecuting and defense attorneys, courts and corrections. Will elaborate criminal justice processes from the formation of laws to the final stages of the treatment of criminals, including a section on juvenile offenders. Finally, we cover the current issues in criminal justice including and review of cyber-crime and terrorism.

Second year of two-year program. This program prepares students for the criminal justice system. Law enforcement officers protect lives and property. Detectives and criminal investigators gather facts and collect evidence of possible crimes. Law enforcement officers' duties depend on the size and type of their organization. This program is designed to provide the academic and professional training necessary for careers in these fields.

Engineering Design I and II

Grades 11 -12

Location: Airport HS OR Flat Rock HS

This is a two-hour course in three-dimensional, feature-based parametric solid CAD. In this course the student will create complex three dimensional parametric models and then generate two-dimensional views from those CAD models. Single parts and assemblies are developed, constrained, and manipulated in the modeling process. The application of dimensions, tolerances, and the creation of advanced views will be learned in the drafting environment. Instruction in surfacing will include extruding and the creation of simple and complex surfaces in the Generative Shape Design Work Bench. Students will submit projects to the MITES (Michigan Industrial and Technology Education Society) competition.

Graphic Communications I

Grade 11

Location: Southgate Anderson HS OR Trenton HS OR Woodhaven HS

Prerequisite: Counselor and instructor approval

Graphic Communications I is a computer intensive, project-based, hands-on course. Students are introduced to the tools and technologies used to create digital/print media. Digital Media includes images, multimedia, video, audio, animation, and the internet including website development. Students take on the role of media producer instead of that of media consumer. Students learn how print media is designed and produced. What is print media? Print media is anything with an image on it: posters, covers, business cards, T-shirts, mouse pads, and a million other things. Students learn about each stage of the print/digital media process and then begin to use the tools studied to complete various print/digital projects and assignments, such as the Screen and Offset printing processes and digital imaging. Educational and career opportunities in Graphic Communications are explored throughout the year.

Graphic Communications II

Grade 12

Location: Southgate Anderson HS OR Trenton HS OR Woodhaven HS

Prerequisite: Instructor or counselor approval

This is a self-directed, hands-on class in which students learn how to produce real products for real people in a "real-world" setting. This "real world" setting is where problem-solving skills, reading, and writing get put to good use. Students will learn advanced techniques building upon skills developed in Graphic Communications I. Utilizing the program's equipment and software applications for creating and manipulating images, and the lab's process screen printing, offset printing, animation, and website development tools enables students to reproduce these images onto various materials and products. They will apply these advanced concepts into the completion of their individual and class projects. Educational and career opportunities are explored.

Health Sciences I

Grade 11

Location: Flat Rock HS OR Grosse Ile HS

Prerequisites: A "C" or better in Algebra I and a "C" or better in Biology. Students should be either enrolled in Algebra II and Chemistry in junior year or planning on taking them in the senior year. A TB test, physical exam, and proof of immunizations are required. There is a mandatory orientation. Approval of instructor or counselor.

This course will provide students with the basic theory and clinical experience for entry-level positions in a physician's office, hospital or outpatient clinic. Students will participate in classroom learning consisting of both theory and hands-on demonstrations and practice, as well as have the opportunity to participate in internships/job shadow experiences with local health care professionals. The curriculum provided allows students to explore their interest in many fields within the medical profession, including but not limited to: nursing, medicine, advanced practice nursing, physician's assistant, laboratory science, emergency medical technology, radiology, surgical technology, and nuclear medicine.

Health Sciences II

Grade 12

Health Sciences II – Pharmacy Tech

Location: Flat Rock HS

Prerequisite: Open to 2nd year Health Science students only. Orientation requirements fulfilled.

This course will be a continuation of Health Sciences I with a focus on Pharmacy Technician training. Students will participate in classroom learning that will focus on pharmacy operations and the core responsibilities of a pharmacy technician. Topics such as medication review, dosage forms, drug interactions, pharmacy calculations, federal laws and maintaining patient records. Students will have an opportunity to participate in internships/job shadow experience with local pharmacy professionals.

Health Sciences II – Nursing and Allied Health

Location: Grosse Ile HS

Prerequisite: Open to 2nd year Health Science students only. Orientation requirements fulfilled.

This course will be a continuation of Health Sciences I with a focus on Nursing and Allied Health training. This program provides students the fundamental concepts and skills of nursing and allied health which are essential to providing patient centered care throughout the lifespan. Students will learn skills related to the areas such as disease prevention, surgical asepsis, wound care, physical well-being, fluid and nutrition, personal hygiene, mobility, oxygenation, medication administration, and venipunctures. The concepts of professional teamwork, legal, ethical, and cultural issues, quality improvement issues and required communication will be integrated with each skill. Guided job shadowing and simulations will be provided to compliment theory.

Health Sciences II – Sports Medicine

Location: Grosse Ile HS

Prerequisite: Open to 2nd year Health Science students only. Orientation requirements fulfilled.

This course will be a continuation of Health Sciences I with a focus on athletic training and physical therapy. Curriculum includes legal and ethical situations, infection control, safety practices, and practicing skills used in the field. There is a classroom, skill laboratory, and a clinical component. The clinical component may require students to complete after school or weekend opportunities to practice skills with an athletic trainer. A physical therapy clinical experience will also be provided.

Health Sciences II

Location: Wyandotte HS

Prerequisite: Recommendation by Health Sciences I and approval of the instructor.

Good attendance, good behavior and proof of immunizations are required.

Students are required to provide their own transportation.

The Health Sciences II program is designed to expose the student to a field with many career options. Students will rotate to different areas of the hospital providing transferable skills and experience which will assist in choosing a vocation in the health field. Off-site placement is also available.

Health Sciences III – Work-based Learning

Grade 12

Location: Flat Rock HS OR Grosse Isle

Prerequisite: Successful completion of Health Sciences I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing health sciences as a career path and has successfully completed Health Sciences I and II. Students in this class should have a placement in an approved health science facility. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Health Sciences III class one day per week to be determined by the instructor.

Culinary Arts I

Grade 11

Location: Riverview HS

Prerequisite: Students must write and submit an essay about their interest in the culinary program and must attend an orientation with a parent or guardian. Counselor approval.

Culinary Arts I students focus on skills employers are looking for in the culinary industry, which include lodging, food service, and travel. First year students also spend a portion of classroom time in food preparation and maintenance of the kitchen, as the program provides lunch for the student body and staff at Riverview High School.

Culinary Arts II

Grade 12

Location: Riverview HS

Prerequisite: Successful completion of Culinary Arts I and Instructor and counselor approval

Culinary Arts II students focus on learning higher-level core culinary skills, as this is the base needed for entering this career. The advanced curriculum matches a higher percentage of student interests. Second-year students not only increase technical skills in cooking, but also hone leadership and teamwork skills as they work in the kitchen daily. All students are exposed to industry settings as students participate at various catered events throughout the year. Guest demonstrations, guest speakers, guest judging for competitions, field trips, internship programs, college visits, and college recruiters all provide for a broader learning experience. Students who are considering a career in the culinary industry and wish to begin making the opportunities happen today should take this course!

Culinary Arts III – Work-based Learning

Grade 12

Location: Riverview HS

Prerequisite: Successful completion of Culinary Arts I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing culinary as a career path and has successfully completed Culinary Arts I and II. Students in this class should have a placement in an approved culinary arts business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Culinary Arts III class one day per week to be determined by the instructor.

550AT INFORMATION TECHNOLOGY I & II: COMPUTER INFORMATION SYSTEM ADMINISTRATION-AIRPORT

Grade: 11

Prerequisites: Junior status and on course to graduate. Seniors may be admitted on a space-available basis.

This course is a two-year DCTC program in partnership with Schoolcraft College. By the completion of the two-year program, students will have a Computer Information Systems Introductory Certificate and 28 credits toward an Associate's Degree at Schoolcraft College. This program prepares students for entry level positions supporting users of microcomputer components of the operating system. The Computer Information Systems Introductory Certificate introduces students to the operating system and concepts surrounding programming logic. Students must have a GPA of 2.0 or higher in core classes and attendance history must meet the standard of the sending school district.

855GI Educational Careers I & II
Grades 11-12
Locations: Grosse Isle

The first-year course introduces the unique characteristics of the child, develops respect for children, and guidance skills that help them grow and develop. The student will gain knowledge that enables him/her to decide whether working in the field of education is a suitable, personal career goal; develop and show responsibility in work performance; learn how to study the growth and development of children; recognize the physical, social, emotional, and intellectual abilities and needs of children; understand how children learn, and the importance of play in their development; learn how parents and teachers influence the growth and development of the child; classroom management; and about technology in education. The student will gain this knowledge through classroom work and field placement experiences in a preschool and elementary setting.

The second-year course will introduce the unique characteristics of the teaching field through lesson planning, job shadow observations, and field placement experiences. The student will continue to learn about the field of education through observation and field experience.

Educational Careers III – Work-based Learning

Grade 12

Location: Grosse Ile HS

Prerequisite: Successful completion of Educational Careers I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing an educational career as a career path and has successfully completed Educational Careers I and II. Students in this class should have a placement in an approved education or child care facility. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Educational Careers III class one day per week to be determined by the instructor.

Electrical Engineering Technology I and II

Grades 11 - 12

Location: Henry Ford College Campus

Note: This is a two-year Dual Enrollment Program offered through Henry Ford

College, supported by DCTC and Grosse Ile High School. Prerequisite: Completed

application from DCTC website

Students will earn approximately 25 college credits in the program. Students are required to follow the Henry Ford College schedule for classes. Transportation for the first year is provided from a participating DCTC school to HFC. Second year students are required to provide their own transportation.

Electrical Engineering Technology is a two-year course that combines both principles and skills from electrical and electronics used in our modern world. Through a combination of classroom and intense laboratory exposure, students are prepared for entry into a range of career opportunities in manufacturing, healthcare, telecommunications, and many other electrical and electronics-related careers.

The program covers the basic principles of electricity and proceeds to the concepts of solid state components such as diodes, transistors, integrated circuits, and microprocessor systems. Advanced courses show how these fundamental principles are applied to machine control, computers, power supplies, amplifiers, oscillators, industrial control, and instrumentation systems. Courses simulate actual working conditions in fully-equipped laboratories where students put electrical-electronics theory into practice. Along with laboratory experiences setting up circuits, troubleshooting, and calibrating systems, computer-simulated circuit analysis is used in the majority of the courses. Successful completers of the program will receive an electrical engineering technology Certificate. This may then be used either for job placement or to further their education at either Henry Ford in the completion of their Associates degree in one year or to transfer to another college.

770 Mechatronics I and II

Grades 11 - 12

Location: Airport HS & Ford Flat Rock Assembly Plant

Note: This is a two-year Dual Enrollment Program offered through Henry Ford College, supported by DCTC and Southgate Anderson High School

Mechatronics is a two-year program that combines principles and skills from several areas vital to modern day manufacturing. Electrical, Mechanical, Fluid (Hydraulics and Pneumatics), Computer Control and Automation/Robotics systems are included in Mechatronics. Through a combination of classroom and intense laboratory exposures, students are prepared for entry into a range of career opportunities throughout the manufacturing, healthcare, architecture and other sectors of the economy.

Welding and Fabrication I & II

Grades 11 - 12

Location: Airport HS OR Flat Rock HS OR Woodhaven HS

Prerequisite: Instructor and counselor approval

Welding and Fabrication is a program designed to provide technical training for a career in welding or its related fields. This course specializes in lab work and shop experience concerned with all types of metal welding, brazing and flame cutting. Students will be exposed to a realistic industrial environment designed to foster safe working skills and practices. Students will also get experience working with all different types of metals and their properties and receive hands-on training in all aspects of metal fabrication, including but not limited to SMAW, GMAW, GTAW, FCAW, OAW, and brazing. Cutting processes such as OAC and plasma cutting will also be emphasized. In addition, students will experience hands-on application of all metal fabrication equipment including the use of high-speed steel drill press, brake, sheers, punches, grinders, etc.

The advanced level covers Advanced Arc, Advanced Gas Tungsten, Advanced Gas Metal Arc, Advanced Flux Cored Arc, and oxyacetylene procedures with as much practical experience as possible. Instruction emphasizes properties of metals, blueprint reading, and welding symbols.

Welding and Fabrication III – Work-based Learning

Grade 12

Location: Airport HS OR Flat Rock HS OR Woodhaven HS

Prerequisite: Successful completion of Welding and Fabrication I and II, program teacher approval, approved placement in field, and completed WBL paperwork.

This class is designed for the student who is choosing welding technology as a career path and has successfully completed Welding and Fabrication I and II. Students in this class should have a placement in an approved welding business. Work Based Learning paperwork must be completed and submitted by the first day of CTE transportation at the start of the school year. Students will be required to attend their Welding and Fabrication III class one day per week to be determined by the instructor.

Horticulture I and II

Grades 11 - 12

Location: Trenton HS

Prerequisite: Instructor or counselor approval

This course is designed to prepare students for either a job in the industry or continuing education in the horticulture field.

In order to achieve this there are both hands-on aspects as well as instruction on the three main topics: plant biology, greenhouse management and landscape design. For the industry aspect some of the things students will be required to do is: identify a variety of plants (both in the greenhouse, agricultural and landscape), plant and maintain a variety of plants in the greenhouse, get knowledge to obtain a license on pesticides, fertilizers, small equipment, etc., creating and implementing landscape plans, maintaining the grounds around the school and involvement in the plant sale at the end of the school year.

Students will understand how plants grow, move nutrients around and reproduce. Students will conduct laboratory experiments on providing the best growing environment for plants. Explore how horticulture can feed the world. Students will study the science behind plant propagation and horticulture relationship to human health.

Junior Reserve Officers Training Corps (JROTC) I, II, III, IV

Grades 9 - 12

Location: Southgate Anderson HS

Army JROTC is a federally coordinated program whose mission is “to motivate young people to be better citizens”. The program of instruction helps today’s high school students develop goal setting and communication skills as well as teaches leadership skills in preparation for the post high school environment. The Army JROTC curriculum known as Leadership Education and Training, or LET, is a developmental program instructed within the framework of military organization and discipline. The curriculum includes health and fitness, geography, civics, history, and conflict resolution. There is no service obligation associated with this course; however, advanced placement in college ROTC or enlistment in the Armed forces at a higher pay grade is possible as a result of successful completion of 4.0 credit hours of Army JROTC. Uniforms and textbooks are provided at no charge. Physical fitness is a major required activity as well as drill and ceremony (marching). Entry into the program is permitted for grades 9-12; however, 4.0 credit hours are required for the Armed forces benefits at enlistment.