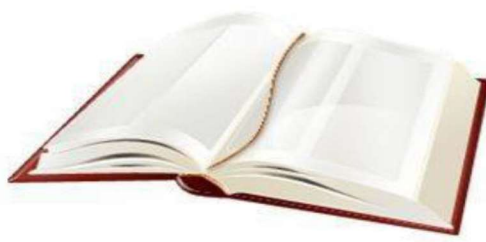


Flushing High School

Course Catalog

2023-2024



Dear Parents/Guardians and Students,

The *Flushing High School Course Catalog* handbook has been compiled by the staff and administration of Flushing High School for the purpose of assisting parents and students with educational and career planning. In this handbook, you will find the following:

- Course Descriptions
- Innovative Class Options
- Graduation Requirements
- Career Pathways
- College and Career Planning Information
- Additional Information

Please take the time to read the contents of this handbook. If you have any questions about the information in this guide, please contact your counselor (591-3759). We encourage students and parents to review the handbook together and to choose classes that will help students attain their academic and career goals.

A successful high school career rests heavily on the quality of decisions made each spring for the upcoming school year. As always, both our counseling and administrative staff are available to assist you in any way we can to ensure a successful academic year.

The Flushing High School staff is committed to preparing our students to the best of our abilities for life beyond high school. Please let us know how we may be of assistance.

Sincerely,

Jason Melynchek
Principal
Flushing High School

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GRADUATION REQUIREMENTS

1. A student must complete four school years (8 semesters of attendance in grades 9-12) unless an exception is granted by the administration.
2. A student's schedule must include a minimum of 3 credits per day.
3. A student must take the SAT/MME/M-STEP in a good faith effort.
4. A student must earn twenty-two (22) total credits and meet the requirements established by the Michigan Merit Curriculum. Each semester class that meets 5 days a week for one class period earns .5 credits. A class that meets for three class periods (i.e. GCI) earns 1.5 credits for the semester.

Classes required for graduation include the following or their equivalents:

Courses	Number of Credits
English <i>Including English 9, English 10, English 11, English12</i>	4
Social Studies <i>Including World History, United States History, Economics/Civics</i>	3
Mathematics <i>Including Algebra I, Geometry, Algebra II, and a fourth math course in the senior year or a class that fulfills the senior math requirement</i>	4
Science <i>Including Integrated Science Lab, Biology, and Chemistry/Physics</i>	3
Physical Education**	.5
Health <i>(Recommended in the freshmen year)</i>	.5
Senior Seminar	.5
Visual/Performing/Applied Arts	1
World Language*	2
Additional Credits	<u>3.5</u>
Totals	22 credits

Physical education is required of all students unless a student has a medical problem substantiated yearly by a written doctor's statement. A student who is enrolled in a physical education class but is unable to complete the class work due to injury, illness, or other physical problem, and who has a doctor's statement will receive a medical (M) on his/her transcript. The M indicates that no credit is granted, GPA is not affected, and the student has **not fulfilled the PE requirement.

**Students who complete 2 seasons of marching band will meet the physical education credit requirement.

* These credits are required to be obtained in the same language and recommended to be obtained in consecutive years.

Students may have limited opportunities to change classes based on seat availability up until the first Friday of the semester. Students may be required to remain enrolled in yearlong classes. Students have the opportunity to take up to two online classes grades 5-12.

Parents may submit a written request to Mr. Melynchek if they would like their child **NOT** to be scheduled with a teacher. Requests from parents will be honored only if the student's sibling previously had a poor experience with the teacher. Requests are due to Mr. Melynchek by the end of April.

A student may repeat a course that he/she has previously taken and passed. The **second grade** will be used to calculate the student's permanent grade point average (G.P.A.). Although both grades will appear on the student's transcript, only one-half (.5) credit will be awarded toward graduation credit for the same course with the exception of certain designated classes. In addition a student who fails a class may continue to repeat the class until he/she has successfully passed it.

All CTE courses meet the VPA graduation requirement and can substitute for one credit of the World Language graduation requirement. Select CTE classes will also meet the Senior Year Math graduation requirement. Students should review the enrollment requirements for the post-secondary institution they are considering attending to insure they have met the requirements for admission.

TRANSFER CREDITS

All academic credit from other schools is transferable if the credit is equal to credit earned at Flushing High School. One-half (.5) credit is granted per semester for each subject meeting five (5) days per week, one (1) period per day. Courses in religion are not acceptable toward graduation unless they pertain to a specific subject area such as history or literature.

A transfer student will be accepted on the standards of the sending school except with regard to Advanced Placement classes (see below). Academic deficiencies incurred at the sending school (grades 9-12) must be made up prior to graduation from Flushing High School.

GPA/CLASS RANK

Flushing High School uses a +/- grading system for all classes. This grading system will use the following grade point average (G.P.A.) equivalents. A student's final grade is cumulative for the entire semester, and his scholastic ranking will be based on all semester grades earned. $G.P.A. = \text{total honor points} \div \text{number of classes attempted}$, excluding classes graded with S/U or pass/fail.

<u>GRADE</u>	<u>HONOR POINTS</u>	<u>GRADE</u>	<u>HONOR POINTS</u>
A	4.00	D+	1.50
A-	3.80	D	1.00
B+	3.50	D-	0.80
B	3.00	E	0.00
B-	2.80	M	0.00
C+	2.50	I	0.00
C	2.00	U	0.00
C-	1.80	S	0.00

To determine the numerical value of a letter grade earned in an Advanced Placement class offered at Flushing High School, the numerical value of the grade (as defined above) will be multiplied by a factor of 1.1. Advanced Placement classes taken by transfer students will be multiplied by the 1.1 factor only if offered at Flushing High School.

Seniors graduating from Flushing High School will receive a final ranking at the end of the 7th semester. Those seniors earning a grade point average of 3.0 to 3.599 after the completion of the 7th semester will be recognized as graduating with honors. Seniors who have earned a grade point average of 3.6 and above, after the completion of the 7th semester, will be recognized for high honors.

DUAL ENROLLMENT

Under Michigan law, it is possible for 9th through 12th grade students who meet the state's established criteria to be enrolled and taking classes both at Flushing High School and a Michigan public or private college or university. Students are allowed to dual enroll in two classes per semester. Students should see their counselor for an application and more information.

COLLEGE REQUIREMENTS

	Average high school G.P.A. for freshmen	Average ACT Scores	Average SAT Scores
Central Michigan University	3.42	23	1100
Eastern Michigan University	3.26	22	1100
Ferris State University	3.38	22	1060
Grand Valley State University	3.50	24	1140
Kettering University	3.50	24	1275
Michigan State University	3.72	23-29	1180
Mott Community College	NA	NA	NA
Northern Michigan University	3.19	22.8	1050
Saginaw Valley State University	3.44	23	1090
University of Michigan - Ann Arbor	3.88	31-34	1380-1540
University of Michigan-Flint	3.4	18-22	1078
Western Michigan University	3.4	23	1090

Many colleges/universities **re-compute** the student's grade point average (G.P.A.) using the following five (5) subject areas for admission purposes: English, mathematics, science, social studies, world language. A college entrance exam such as the ACT or SAT may be required. **See college catalogs/websites for specifics.**

Admission requirements vary from one college to another and are also dependent upon the program a student wishes to enter. The Michigan Merit Curriculum contains one of the most comprehensive sets of high school graduation requirements in the nation. It prepares students for a rigorous college curriculum and complies with the expectations for college preparation established by the President's Council of the State Universities of Michigan. Students should also check with the institution in which they are interested to see if there are additional curriculum requirements for admission, especially for specific degree programs. **(Two or more years of study in one world language are recommended.) Students should also make sure their senior year math course meets the requirements of the secondary institution they are considering.**

TESTING OUT PROCESS

In accordance with state law, Flushing High School allows students to test out of a class in which they already are proficient. Each semester students may sign up to test out of a class for the following semester. The process may differ between departments, and it is the student's responsibility to fulfill the requirements and meet the necessary deadlines. Testing out of a course is usually achieved by attaining a grade of 78% or better on the final exam for the course. However, departments have the right to require papers, projects, and presentations that they deem necessary to determine a student's proficiency. The "credit" granted will comply with the following guidelines:

1. Credit for test out classes will be counted toward meeting individual **department credit** requirements and will be applied toward the total credits required for graduation.
2. "Test out" classes will appear on student report cards and transcripts with an "S" grade.
3. Credit earned through the test out process **does not** meet NCAA requirements.
4. Many colleges do not count test outs as actual class credit.*

*Colleges will apply credit if a higher level class replaces the class that was tested out of.

NCAA Eligibility

In order to receive a college athletic scholarship or even play collegiate athletics, certain high school courses, grade point, and test requirements must be met. Students are responsible for meeting these requirements. Athletes and parents are provided additional details regarding NCAA eligibility at the Meet the Team session that is held near the beginning of each athletic season. If you have any questions or need further information, see your counselor or visit the website at www.eligibilitycenter.org

Listed below are the NCAA approved core curriculum courses as of September 2022.

ENGLISH

AP Language	English 11
AP Literature	English 12
Creative Writing	Public Speaking
English 9	Writing for College
English 10	Young Adult Literature

MATHEMATICS

Algebra I	Pre-Calculus/Trigonometry
Algebra II	Calculus
Geometry	AP Calculus
Trigonometry/Statistics	AP Statistics

NATURAL/PHYSICAL SCIENCE

Anatomy and Physiology (Lab)	Chemistry (Lab)
Advanced Chemistry	Conceptual Physics
AP Biology	Environmental Science
AP Chemistry	Genetics (Lab)
AP Physics	Integrated Science Lab
Biology (Lab)	Physics (lab)
Advanced Biology	Botany

SOCIAL STUDIES

American Government	Economics
American History	Global Issues
AP Human Geography	Holocaust
AP U.S. Government	Introduction to Psychology
AP United States History	Michigan Local History
Civics	Sociology
Civil War	World History
Criminal Justice	

ADDITIONAL NCAA CORE COURSES

American Sign Language I, II
French I, II, III, IV, V
Spanish I, II, III, IV, V

Note: Credit earned through the “testing out” process **DOES NOT** meet NCAA requirements.
RVA online classes are **NOT** NCAA accredited and cannot be used for credit recovery.

ADVANCED PLACEMENT

Advanced Placement (AP) classes are part of a national program designed to allow high school students the opportunity to earn college credit for advanced work they have done during high school. College credit may be earned by successfully completing AP exams that are generally given in the spring of the senior year. Presently, there are eleven AP classes offered at Flushing High School:

AP Biology

AP Calculus

AP Chemistry

AP Drawing

AP English Language

AP English Literature

AP Government

AP Human Geography

AP Statistics

AP US History

AP World History

Due to the difficulty of these classes, it is suggested that no more than one class may be taken in the sophomore year, two classes in the junior year, and three classes in the senior year. Students should also realize that extra time will be required outside of the school day and time management will be very important. Those students involved in extra-curricular activities should arrange their schedules accordingly. The College Board recommends that students set aside a minimum of five hours of study time per AP class per week.

SEX/HEALTH/COMMUNICABLE DISEASE EDUCATION

Several courses a student may select contain units of study related to Sex/Health/Communicable Disease Education. These courses are as follows:

All Physical Education Classes

Anatomy and Physiology

Genetics

Biology

Health

Integrated Science Lab

Introduction to Psychology

Nutrition Science

Parenthood

Personal Development

All course curriculums have been approved by the Board of Education and the district's Health, Drug, and Safety Education Advisory Board.

Parents of students considering the selection of any of the above-mentioned courses have the following rights:

- To review all Sex/Health/Communicable Disease instructional material that will be used in the class in question before the unit of study is taught.
- To attend any or all classroom instruction periods in Sex/Health/Communicable Disease Education.
- To have their son/daughter excused from any unit of study involving Sex/Health/Communicable Disease education without penalty or loss of academic credit.

Students who choose any of the above courses should discuss this selection with their parents prior to placement on their schedule request list. Parents who desire to review materials related to the units of instruction in Sex/Health/Communicable Disease education should contact the principal at the High School. Parents wishing to have their son/daughter enroll in one or more of the above mentioned courses, but ask that they be excluded from any unit of study in Sex/Health/Communicable Disease instruction, need to make such a request in writing to the building principal. Students excused from such units of study will be provided with an equivalent value study unit

FHS Career Pathways

Unlimited opportunities await Flushing High School students in the 21st century. FHS strives to prepare our students to make informed decisions regarding career choices through the exploration of Career Pathways and the development of EDPs. These programs encourage students to define and assess their career interests and abilities in order to better provide career direction for pursuing lifelong goals after high school.

The Educational Development Plan (EDP) is a program designed to assist your child both with future educational plans and also in making course selections for high school classes. These EDPs are web-based and may be viewed and updated by students and parents at home by visiting: www.xello.world/en/.

What are the 6 Career Clusters?



Arts and Communication

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



Business Management Marketing and Technology

Careers in this path are related to the business environment. These include entrepreneurship (business ownership); marketing, sales, computer and information systems, finance, accounting, personnel, economics, and management.



Engineering Manufacturing Industrial Technology

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



Health Sciences

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



Human Services

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



Natural Resources and Agriscience

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

CAREER AND TECHNICAL EDUCATION (CTE) DEPARTMENT



CTE is Learning that Works!
Become Career and College Ready Earn
College Credit, Meet Graduation
Requirements, Prepare for Success
Gain Real World Advantage!

CTE presents a complete range of related career options to students, helps them discover their interests and passions, and empowers them to choose the educational pathway that can lead to success in high school, college, and their chosen career. CTE is developing its most valuable resource - its people; helping them gain the skills, technical knowledge, academic foundation and real-world experience they need to prepare for high-skill, high-demand, high-wage careers and keep America working in every sense of the word. CTE works for postsecondary placement - 70% of students concentrating in CTE areas stayed in postsecondary education or transferred to a 4-year degree program. CTE works for America's jobs of tomorrow - Experts project 47 million job openings through 2022. About one third will require an associate's degree or certificate, and nearly all will require real-world skills that can be mastered through CTE.

BUSINESS EDUCATION

All CTE courses meet the VPA graduation requirement and can substitute for one credit of the World Language graduation requirement

7004/7005	BMA I - BUSINESS MANAGEMENT	FULL YEAR	9, 10, 11, 12
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BMA is an exciting course that covers business management and employability skills that students will utilize throughout life. This is a hands-on learning experience that will give students real-world opportunities. Students will also be working with communication lessons, teamwork, leadership, personal finance, entrepreneurship, and development of general business skills needed in the workplace. Students will incorporate various computer software and information technology concepts to complete projects as they would in a business environment.

Michigan's HOT 50 High-Demand High-Wage Careers: General and Operations Managers, Management Analysts, Social and Community Service Managers

NOTE: BMA I students may choose to join the Business Professionals of America (BPA).

7024/7025	BMA II - BUSINESS MANAGEMENT	FULL YEAR	10, 11, 12
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This course is for those interested in applying business management concepts in a non-traditional class format. Some of the topics covered in this class will include; employability, management functions, forms of business ownership, business operations, entrepreneurship, organizational development, and management of others. It is a project-based class in which students will be given individual or team projects dealing with current business issues of today and tomorrow. Students will apply and develop their problem solving, critical thinking, leadership, communication, and teamwork skills. This class will use case studies, speakers, and relevant articles to develop student's interest and opportunities in the world of business.

Michigan's HOT 50 High-Demand High-Wage Careers: General and Operations Managers, Insurance Sales Agents, Management Analysts, Operations Research Analysts, Social and Community Service Managers

PREREQUISITE: Successful completion of BMA I with a 2.0.

NOTE: BMA students are expected to join the Business Professionals of America (BPA).

BUSINESS EDUCATION

7064/7065	ACCOUNTING I	FULL YEAR	10, 11, 12
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This beginning accounting course will teach you how to keep financial records and prepare financial statements for a business. Students will study the complete accounting cycle. Computer software will be used throughout the year to expand the student's knowledge of how technology and accounting are linked and applied in the business world. Using the text as well as the Internet, we will study business ethics and current trends in the business world; and we will see how careers in accounting may apply to you.

Michigan's HOT 50 High-Demand High-Wage Careers: Accountants and Auditors, Cost Estimators, Financial Analysts, Financial Managers, Personal Financial Advisors

NOTE: This class can count as a senior year math credit. Accounting students may choose to join the Business Professionals of America (BPA).

7124/7125	ACCOUNTING II	FULL YEAR	10, 11, 12
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Accounting II is an advanced study of concepts, principles, and techniques used in keeping the financial records of a sole proprietorship, partnership, and corporation. Departmental, management, cost, and not for profit accounting systems are explored.

Michigan's HOT 50 High-Demand High-Wage Careers: Accountants and Auditors, Cost Estimators, Financial Analysts, Financial Managers, Personal Financial Advisors

PREREQUISITE: Successful completion of Accounting I with a 2.0.

NOTE: This class can count as a senior year math credit. Accounting students may choose to join the Business Professionals of America (BPA).

INDUSTRIAL TECHNOLOGY EDUCATION

All CTE courses meet the VPA graduation requirement and can substitute for one credit of the World Language graduation requirement

7704/7705 INTRODUCTION TO ENGINEERING DESIGN I	FULL YEAR	9, 10, 11, 12
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Engineering I will teach students to dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

Michigan's HOT 50 High-Demand High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineer Technicians, Mechanical Engineers, Operating Engineers, Electrical Engineers

NOTE: This class can count as a senior year math credit. Engineering students may choose to join MITES.

7714/7715 INTRODUCTION TO ENGINEERING DESIGN II	FULL YEAR	10, 11, 12
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An advanced level course designed to further the student's experience in Engineering and its related fields. Students will extend their learning of parametric modeling to create 3-D virtual models of mechanical parts and utilize those parts to generate the necessary drawings learned in Introduction to Engineering Design. This is a career-oriented course, therefore, students will be expected to exhibit good judgment and a professional attitude and work ethic at all times. This is an excellent course for students interested in visual communications and engineering careers.

Michigan's HOT 50 High-Demand High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineer Technicians, Mechanical Engineers, Operating Engineers

PREREQUISITE: Successful completion of Introduction to Engineering Design with a 2.0.

NOTE: Engineering students may choose to join MITES.

7734/7735 CAD I	FULL YEAR	9, 10, 11, 12
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An introductory course designed to introduce the student to the exciting world of computer-aided drafting (CAD) and design and its related fields. Students will learn specific topics including organizational and professional skills, as well as the construction of 2-D technical drawings, multi-views, section views, auxiliary views, isometric drawings, threads, fasteners, developments, and GD&T. Students will also gain exposure to manufacturing through the use of a laser engraving/cutting machine. This is an excellent course for students interested in visual communications and engineering careers. CAD I is a prerequisite for Advanced CAD.

Michigan's HOT 50 High-Demand High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineer Technicians, Mechanical Engineers, Operating Engineers, Millwrights, Machinists

NOTE: This class can count as a senior year math credit. CAD students may choose to join MITES.

7924/7925 ARCHITECTURE CAD	FULL YEAR	9, 10, 11, 12
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This course is designed to give students a sense of appreciation for architecture. CAD (Computer Aided Drafting) will be used to create working drawings including floor plans, plot plans, section drawings, and elevation. The students will also get to create 3D virtual models of residential structures and utilize the 3D model to generate similar working drawings. Building codes and architectural documents will be discussed.

Michigan's HOT 50 High-Demand High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineer Technicians, Mechanical Engineers, Operating Engineers, Millwrights, Machinists

NOTE: This class can count as a senior year math credit. CAD students may choose to join MITES.

INDUSTRIAL TECHNOLOGY EDUCATION

7926/7927	ADVANCED ARCHITECTURAL CAD	FULL YEAR	11, 12
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An advanced level course designed to further the students' experience in the computer-aided drafting (CAD) and design and its related fields. Students will learn delve deeper into the field of architecture by working on projects utilizing the skills that they learned in Architectural CAD, but using those skills to a deeper level. Students can create photo-realistic renderings, build 3D models, or more intricate working drawings. This is a career-oriented course, therefore, students will be expected to exhibit good judgement and a professional attitude and work ethic at all times. This is an excellent course for students interested in visual communications and engineering careers.

Michigan' HOT 50 High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineering Technicians, Mechanical Engineers, Operating Engineers, Millwrights, Machinists

PREREQUISITE: Successful completion of Architecture CAD I with a 2.0 or higher each semester.

NOTE: This is a senior year math credit. Adv. Arch CAD students may choose to join MITES.

7754/7755	ADVANCED CAD	FULL YEAR	10, 11, 12
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An advanced level course designed to further the student's experience in computer-aided drafting (CAD) and design and its related fields. Students will learn parametric modeling to create 3-D virtual models of mechanical parts and utilize those parts to generate the necessary drawings learned in CAD I. Students will also gain exposure to manufacturing through the use of a 3-D printer. This is a career-oriented course, therefore, students will be expected to exhibit good judgment and a professional attitude and work ethic at all times. This is an excellent course for students interested in visual communications and engineering careers.

Michigan's HOT 50 High-Demand High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineer Technicians, Mechanical Engineers, Operating Engineers, Millwrights, Machinists

PREREQUISITE: Successful completion of CAD I/Architecture CAD with a 2.0.

NOTE: This class can count as a senior year math credit. CAD students may choose to join MITES.

7756/7757	ADVANCED CAD II	FULL YEAR	11, 12
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Students will be able to extend their learning of parametric modeling and computer aided design through reverse-engineering an assembly and creating the virtual 3d model in the parametric modeling software. The model can be utilized to generate drawings, renderings, or animations of the assembly. This is a career-oriented course, therefore, students will be expected to exhibit good judgement and a professional attitude and work ethic at all times.

Michigan' HOT 50 High-Wage Careers: Architects, Architectural and Engineering Managers, Civil Engineers, Industrial Engineers, Mechanical Engineering Technicians, Mechanical Engineers, Operating Engineers

PREREQUISITE: Successful completion of Advanced CAD 1 with a 2.0 or higher

WORK-BASED LEARNING EDUCATION

Work-based learning experiences are essential for students to form and develop aspirations and to make informed decisions about careers. This experience allows students to apply hands-on knowledge and skills they have

obtained from their classroom training in the workplace which leads to an engaging, rigorous, and relevant experience. Work-based learning opportunities allow students to build transferable skills that lead to success in college and career while painting a realistic picture of the future students will face in the working world.

WORK-BASED LEARNING EDUCATION/CO-OP	FULL YEAR	11, 12
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This course is designed for qualified high school juniors and seniors who are at least 16 years of age. Students accepted into the program attend school a minimum of four class periods per day (based on grade level) and work on the job (training station) for part of the day. The program is designed to develop basic occupational competencies for future employment. The student is supervised and trained by the employer in cooperation with the school Work-based Learning Coordinator. The employer is considered a partner in the program by providing required documentation, training, supervision, and work experience.

PREREQUISITE: Students may not register without prior approval from the Work-based Learning Coordinator. The Work-based Learning Coordinator will confer with students to determine the student's eligibility based on the Co-op contract and requirements to pass. The Work-based Learning Coordinator will also determine the enrollment eligibility for the Co-op related class.

NOTE: Students must be concurrently enrolled in a Co-op related class while taking Co-op Education. Students must have selected an EDP career pathway and their job must be in the occupational area of the pathway.

UNPAID LEARNER EDUCATION <i>IN-DISTRICT OR OUT OF DISTRICT PLACEMENT</i>	FULL YEAR	11, 12
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This course is designed for qualified high school juniors and seniors who are at least 16 years of age. Students accepted into the program attend school a minimum of five class periods per day and work on the job (training station) for one class period of the day. The program is designed to develop basic occupational competencies for future employment. The student is supervised and trained by the employer in cooperation with the school Work-based Learning Coordinator. The employer is considered a partner in the program by providing required documentation, training, and work experience.

PREREQUISITE: Students may not register without prior approval from the Work-based Learning Coordinator. The Work-based Learning Coordinator will confer with students to determine the student's eligibility based on the Unpaid Learner contract and requirements to pass. The Work-based Learning Coordinator will also determine the enrollment eligibility for the Work-based learning related class.

NOTE: Students must have successfully completed BMA or concurrently enroll in order to apply for In-District Unpaid Learner. Students must have selected an EDP career pathway aligned with this position. Some exceptions for BMA. Students should reach out to the Work-based Learning Coordinator for further information on that opportunity.

TEACHER CADET	FULL YEAR	11, 12
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This course is designed for qualified high school juniors and seniors who are at least 16 years of age. Students accepted into the program attend school a minimum of four class periods per day and work in an in-district school for a minimum of 10 hours a week. Students have quality classroom and field experiences that will develop fundamental skills for education and a career in education. They practice and will be able to make informed decisions regarding careers in the education pathway. Students will complete coursework aligned with state curriculum while applying this curriculum in a worksite placement.

PREREQUISITE: Students may not register without prior approval from the Work-based Learning Coordinator. The Work-based Learning Coordinator will confer with students to determine the student's eligibility based on the Teacher Cadet Requirements to Pass.

Annual Public Notice of Career and Technical Education Opportunities

Each year, Flushing Community Schools offers Career and Technical Education (CTE) courses at Flushing High School.

The 2023-2024 courses consist of Business Management Administration (BMA), Accounting, and Computer Aided Drafting (CAD), Architectural Drafting, Engineering, and Work-Based Learning (Co-op, Unpaid Learner, and Teacher Cadet). BMA, CAD, Accounting, and Marketing are also CTE Early Middle College Programs.

These programs are designed to prepare youth for a broad range of employment and training services and are offered under the guidance of the CTE Director, certified teachers, and a cooperative education coordinator. For general information about the CTE programs offered through Flushing Community Schools, please contact: Jason Melynchek, CTE Director, Flushing High School, 5039 Deland Rd., Flushing, MI 48433. Phone: 810-591-33773 and E-Mail: jason.melynchek@flushingschools.org.

All CTE programs follow the district's policies of nondiscrimination as stated below.

Flushing Community Schools does not discriminate on the basis of race, color, national origin, sex, including sexual orientation and transgender identity, disability, age, religion, height, weight, marital or family status, military status, ancestry, genetic information or any other legally protected category, (collectively, "Protected Classes"), in its programs and activities including employment opportunities. Any inquiries or complaints regarding discrimination or denial of equal access should be addressed to the district compliance officer as it relates to nondiscrimination for Title II, of the Americans with Disabilities Act (as amended), Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendment Act of 1972, and Section 504 of the Rehabilitation Act of 1973 (as amended). Compliance Officer, Matt Shanafelt, Deputy Superintendent, Flushing Community Schools, 522 N. McKinley Rd., Flushing, MI 48433.

NON-CTE BUSINESS EDUCATION COURSES

7320	COMPUTER APPLICATIONS	EITHER SEMESTER	9, 10, 11, 12
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This course is for students who need an introduction to computer software applications. Students will gain proficiency in keyboarding skills and in the use of Windows Applications. Students will work with the Microsoft Office Suite, including Word, Excel, Access, and PowerPoint. Emphasis will be placed on integration between the Microsoft Office applications. This course will give students the necessary skills to effectively use a computer to benefit them both in their academics and in the workplace.

NOTE: This class is a VPA .5 credit.

7460	PERSONAL FINANCE	EITHER SEMESTER	9, 10, 11, 12
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This course focuses on the development of the skills necessary for sound consumer decision-making in a complex socio-economic environment. Students will have an opportunity to explore different careers, savings and investment options, credit and debt dangers, budgeting, insurance research, and real estate/housing options.

7190	SENIOR SEMINAR	EITHER SEMESTER	12
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This course is organized to improve the knowledge, research, problem solving, organization, and communication skills of seniors as each is planning an individual career pathway to the workplace and/or an institution of higher learning. Students will complete their individual EDP projects which were started in earlier years. Each student will gain skills and knowledge on how to succeed after high school. This will be done through research on self, careers, training/schooling after high school, community service projects, various presentations and a final exit presentation demonstrating his/her documented career knowledge and experienced preparation for a successful career selection.

NOTE: Required class for seniors.

ENGLISH DEPARTMENT

Michigan Merit Curriculum requirements: 4 credits in English

Required classes: English 9, English 10, English 11, English 12

Michigan Merit Curriculum requirements: 1 VPA credit. Courses that meet the requirement are Drama, Speech, Publications.

1004/1005	ENGLISH 9	FULL YEAR	9
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This course is designed to help the student understand the basics of literature, grammar and writing. Students will continue career exploration and development of their EDP. Novels include To Kill A Mockingbird, The Giver, and choice reading selections.

NOTE: Required course for 9th grade.

1044/1045	ENGLISH 10	FULL YEAR	10
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This course is designed to help the student continue improvement of writing, speech, grammar, and research skills. These activities will be used to support critical thinking and organizational skills. A study of various literary genres, both fiction and non-fiction will be explored and students will be required to write essays of various styles and difficulties. Students will continue career exploration and development of their EDP. Novels include The Great Gatsby, Divergent, The Crucible, Raisin in the Sun and a choice novel selection.

NOTE: Required course for 10th grade.

1054/1055	ENGLISH 11	FULL YEAR	11
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This course will survey British literature by studying the following works: Hunger Games, Glass Castle, MacBeth, Frankenstein, and a choice novel selection. In addition, other literary genres such as nonfiction and poetry will also be studied as a means to further comprehension of the major works studied. Students will also be required to write essays of varying modes and difficulty.

NOTE: Required course for 11th grade.

1064/1065	ENGLISH 12	FULL YEAR	12
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The purpose of this course is to provide students with an opportunity to practice a wide variety of reading and writing genres that are often found at the collegiate level. Students will be encouraged to consider their role as part of a global community, to look critically at the world they live in, and to use literature as a lens for that examination. Students will write a variety of essays, learn APA research methods, and study the following pieces of literature: 1984, Fahrenheit 451, Night, MAUS and Just Mercy. Podcasts and other forms of media will be analyzed. Grammar instruction continues.

NOTE: Required course for 12th grade.

ENGLISH ELECTIVES

1060	WRITING FOR COLLEGE	EITHER SEM.	11, 12
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This course is designed to prepare students for the types of writing they will encounter during their first years of college. Students will focus upon improving basic elements of writing such as paragraph support and development, effective sentence structure, vocabulary, and research skills. Students should be college bound and/or already achieved proficiency in writing.

1120	CREATIVE WRITING	EITHER SEM.	11, 12
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This course is for the student who loves to write. Objectives include specific skills of narration, such as description, creation of mood, character revelation, dialogue, and plotting. This course also features different forms of poetry, and will get into the basics of getting published. Those considering this class should have already achieved proficiency in writing.

1174/1175	AP ENGLISH LANGUAGE & COMP.	FULL YEAR	11, 12
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This course is for the serious, college-bound junior or senior who is planning on taking the Advanced Placement Exam in English Language and Composition. This course engages the student in becoming a skilled reader of prose written in a variety of periods, disciplines and rhetorical contexts, and helps the student develop more sophisticated writing skills.

NOTE: Students enrolling in AP classes should expect rigorous coursework as these classes are challenging. Students should be conscious of balancing class-work and extra-curricular activities/a job when selecting an AP class.

PREREQUISITE: Completion of English 10

1194/1195	AP ENGLISH LITERATURE & COMP.	FULL YEAR	12
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This course is for the serious, college-bound senior who is planning to take the Advanced Placement Exam in English Literature and Composition. This course includes literature from a variety of genres, time periods, and cultures, as well as the analysis of novels, poetry and drama.

NOTE: Students enrolling in AP classes should expect a rigorous course that includes significant reading and writing. Students should be conscious of balancing classwork and extra-curricular activities/a job when selecting an AP class. Before you finalize a request for this class, be aware that if you are scheduled for an AP class you **will not** have the option of dropping the class.

PREREQUISITE: Completion of English 11 or AP Language

ENGLISH ELECTIVES

1200	PUBLIC SPEAKING	EITHER SEM.	10, 11, 12
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1231	DRAMA I	EITHER SEM.	10, 11, 12
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This course is for the student who wants to work on public speaking skills. The main emphasis is on the performance of the student in various speaking situations: group discussions; informative, persuasive and demonstrative speeches; and work-related language arts.

This course is for the beginning drama student. The course involves theory and classroom experience in studying theatre history. Students will read, analyze, perform and discuss dramatic literature.

1294/1295	PUBLICATIONS	FULL YEAR	10, 11, 12
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This course is for the student who wishes to contribute to the yearbook, which is a journalistic endeavor. The emphasis is on interviewing, feature writing, photography, and desktop publishing. Students are also expected to meet marketing goals and participate outside of the school day on occasion.

PREREQUISITE: Application form/approval from instructor.

NOTE: This class **does not meet N.C.A.A.** core requirements.

1134/1135	YOUNG ADULT LITERATURE	EITHER SEM.	10, 11, 12
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Young Adult literature is an elective course that is designed for students who enjoy recreational reading and for students who want to have an opportunity to improve their reading ability through sustained practice with engaging, contemporary novels. This class will improve students' critical reading skills, ability to synthesize information from a variety of sources, writing skills, and engagement in their own learning. This class may be repeated.

FAMILY AND CONSUMER EDUCATION DEPARTMENT

7401	NUTRITION SCIENCE	1st SEMESTER	9, 10, 11, 12
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Students will develop the knowledge and skills to improve the dietary practices that support optimal health for self and others. The course is based on the theme, "Nutrition for Wellness" as it relates to food preparation, selection, and habits.

7411	PERSONAL DEVELOPMENT	2nd SEMESTER	9,10, 11, 12
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This course focuses on the development of knowledge and skills, including problem-solving, communication, conflict resolution, and an understanding of the student's needs regarding their relationships with others and future possible careers. In the context of these needs students will explore how personalities are formed, how self-concepts can be improved, how personal priorities are developed and how to go about making decisions.

7452	PARENTHOOD	2nd SEMESTER	9, 10, 11, 12
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This course addresses issues related to the choices, roles, and responsibilities of parenting. Parenthood education teaches child development and introduces students to basic parenting from conception to age five. Stimulating simulations also encourage students to try out different aspects of parenting and prenatal development.

FINE ARTS DEPARTMENT

Michigan Merit Curriculum requirements: 1 VPA credit. Courses that meet the requirement are Art 1 Art 2, Digital Photography, Graphic Design, Video Production, Band, Orchestra, Wind Ensemble and Choir.

8004/8005	ART I	FULL YEAR	9, 10, 11, 12
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This class is an entry level course for the student who would like a basic exposure to fundamentals of the visual arts. It introduces the formal elements (such as line, shape, texture and color) and principles of design (such as balance, rhythm, variety, and unity) essential to the practice and study of art. Students are introduced to a wide variety of media. Skill in drawing is helpful but not required.

NOTE: This class **may** be repeated.

8024/8025	ART II	FULL YEAR	10, 11, 12
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This course is for the student who is interested in continuing their study of visual arts. This is a studio art class where students are encouraged to explore their personal vision, critical thinking, and communication skills. This course is for the self-motivated student who wishes to pursue individuality, creativity and imagination through experimentation with traditional and nontraditional materials and techniques.

PREREQUISITE: Art I and instructor approval required.

NOTE: This class may be repeated.

8026/8027	AP DRAWING	FULL YEAR	10, 11, 12
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Advanced Placement Art and Design is a college level course designed for students who are seriously interested in the practical experience of art. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. Ongoing critical analysis through group and individual critiques provide students opportunities to analyze their own work.

PREREQUISITE: Successful completion of Art I and Art II

8060	VIDEO PRODUCTION I	EITHER SEM.	9, 10, 11, 12
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This video production class is designed to teach students how to use video production and broadcasting technology to inform, entertain and communicate with others using 21st century skills. Students will work individually and together to create videos for and about Flushing Community Schools and the surrounding community. Examples include: public service announcements, school/community news stories, school activities montages, curriculum content for classroom use, commercials, human interest stories, etc. Students will learn: elements of video composition, basic terminology for video production, how to use video cameras, video editing software, how to create DVD's for distribution/broadcast, how to adapt to existing content for video productions, how to create original content for video productions.

FINE ARTS DEPARTMENT

8070	VIDEO PRODUCTION II	EITHER SEM.	9, 10, 11, 12
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As a continuation of the Video Production I curriculum, students will use the skills learned to create video productions and broadcasting technology to inform, entertain and communicate with others using 21st century skills. Students will work individually and together to create videos for and about Flushing Community Schools and the surrounding community. Examples include: a news program featuring school/community news stories, school activities montages, curriculum content for classroom use, commercials, documentaries, human interest stories, etc.

PREREQUISITE: Successful completion of Video Production I (C+ or better) AND permission of instructor.

8040	DIGITAL PHOTOGRAPHY	EITHER SEM.	9, 10, 11, 12
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Students will explore the artistic realm of digital photography and editing software. They will learn the process of taking photographs, editing photos, creating collages, and manipulating images into art projects on the computer. The students will use skills from Art 1 to develop a digital portfolio.

Prerequisite: Art I or Yearbook (with instructor permission)

NOTE: This course may be taken in conjunction with Art I or Art II.

8041	ADV. DIGITAL PHOTOGRAPHY	EITHER SEM.	9, 10, 11, 12
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Students will further explore the artistic realm of digital photography and editing software. They will learn the process of creating environments for ideal photograph composition, adjusting lighting for dramatic effect, restoring old photographs, and engage with advanced editing concepts. The students will use skills from Art 1 and digital photography to understand composition and placement within their photographs, creating an advanced digital portfolio. This class is ideal for students who would like to pursue photography as a major in college.

Prerequisite: Successful completion of Digital Photography.

Note: This course may be taken in conjunction with Art I or Art II if student completed Digital Photography.

8050	GRAPHIC DESIGN	EITHER SEM.	9, 10, 11, 12
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Students will explore the artistic realm of digital design and advertisements. They will learn the process of how ads are brought to print through the first steps of brainstorming the idea, choosing color, and editing designs to reach the most people possible. Once students have a basic understanding, they will incorporate personal photography into advertising campaigns.

PREREQUISITE: Art I

NOTE: This course may be taken in conjunction with Digital Photography, Art I or Art II.

FINE ARTS DEPARTMENT

8244/8245	ADVANCED STRING ORCHESTRA	FULL YEAR	9, 10, 11, 12
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This course is designed for experienced string students in grades 9-12 who play violin, viola, cello or string bass. Students must audition in the spring of the preceding school year in order to enroll for this class. You must be interested in performing literature of the symphony orchestra. Students wishing to play a wind instrument in this group must also be a member of the concert band or wind ensemble. The orchestra will perform approximately five concerts, as well as district and state competition. This group has a tradition of "superior" ratings at festivals.

PREREQUISITE: At least two years on a string instrument

NOTE: All performances and rehearsals are required attendance activities. The full orchestra, containing the wind and percussion sections will rehearse on Mondays after school. This class **may** be repeated.

8234/8235	CONCERT STRING ORCHESTRA	FULL YEAR	9, 10, 11, 12
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This course is designed for string students in grades 9-12 who play violin, viola, cello or string bass. You must be interested in performing literature of the orchestra. The orchestra will perform approximately five concerts, as well as district and state competition. This class is intended for students who have participated in middle school orchestra.

PREREQUISITE: At least two years on a string instrument

NOTE: All performances and rehearsals are required attendance activities. This class **may** be repeated.

8404/8405	CONCERT CHOIR I	FULL YEAR	9, 10, 11, 12
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This course is for freshmen and above who are interested in vocal music. The choir will perform at least four concerts a year and will establish itself as a preparatory course for entrance to either Concert Choir II or A Cappella Choir.

NOTE: All performances and rehearsals are required attendance activities. This class **may** be repeated.

8414/8415	CONCERT CHOIR II	FULL YEAR	10, 11, 12
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This is an intermediate level choir for any 10th, 11th, or 12th grade student. This class will perform at least four concerts a year and will establish itself as a preparatory course for entrance into A Cappella choir.

NOTE: All performances and rehearsals are required attendance activities. This class **may** be repeated.

FINE ARTS DEPARTMENT

8424/8425	A CAPPELLA CHOIR	FULL YEAR	10, 11, 12
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The A Cappella Choir is a mixed group of select voices capable of performing more advanced music. Admission to the choir is by audition and/or approval of the director. The choir will perform public concerts, enter festivals, and exchange with other choirs from other schools. The director reserves the right to limit the size of the choir.

PREREQUISITE: Admission by audition.

NOTE: Freshmen should register only with permission of instructor. All performances and rehearsals are required attendance activities. This class **may** be repeated.

8314/8315	CONCERT BAND	FULL YEAR	9, 10, 11, 12
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This class is mostly made up of 9th and 10th graders with pervious band experience. Juniors and Seniors can take this class as a 2nd band class with the intention of learning a new instrument. All performances are mandatory and graded.

8214/8215	WIND ENSEMBLE	FULL YEAR	9, 10, 11, 12
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This is an elite band class. Students must have previous band experience and approval from the Band Director to be in class. This class is for 11th and 12th graders; exceptions are made for 9th and 10th graders per Band Director approval. All performances are mandatory and graded.

INDUSTRIAL TECHNOLOGY DEPARTMENT

Michigan Merit Curriculum requirements: 1VPA credit. Courses that meet the requirement are Woodworking I, II, III and IV, Home Repair, Intro to Engineering Design I and II, CAD, Advanced CAD/Architectural CAD.

7760	WOODWORKING I	EITHER SEM	9, 10, 11, 12
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Students will explore and learn basic fundamentals of drafting, measuring, general shop safety and the principles to using different types of machines on the projects they create in class. Creativity is an essential part to this class.

7770	WOODWORKING II	EITHER SEM	9, 10, 11, 12
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Students will review basic concepts learned in Woodworking I. Students will explore project possibilities using different machines not used in Woodworking I. Students will also be able to create projects of their choice at the discretion of the teacher.

PREREQUISITE: Passing grade in Woodworking I

7780	WOODWORKING III	EITHER SEM	10, 11, 12
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In this course students will learn advanced techniques in woodworking. Students will also review all safety rules and guidelines when using the machines in the shop area. Students will also be able to create advanced projects of their choice at the discretion of the teacher.

PREREQUISITE: Passing grade in Woodworking II. This class may be repeated when taking Woodworking III and IV in the senior year for senior math credit.

7790	WOODWORKING IV	EITHER SEM	10, 11, 12
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Students will work independently to create projects using advanced woodworking techniques used in previous classes. All safety rules and guidelines will be reviewed in this class.

PREREQUISITE: Passing grade in Woodworking III. This class may be repeated when taking Woodworking III and IV in the senior year for senior math credit.

This course covers basic home repairs. Students will learn electrical wiring, plumbing, drywall, and construction techniques and skills. Students will design and construct a scale shed.

PHYSICAL EDUCATION/HEALTH DEPARTMENT

**Michigan Merit Curriculum requirements: .5 credit Physical Education and .5 Health
Students who complete 2 seasons of marching band will meet the physical education credit
requirement.**

NOTE: A student may enroll in only one PE class per semester.

5001	FITNESS I	1ST SEMESTER	9, 10, 11, 12
5002	FITNESS I	2ND SEMESTER	9, 10, 11, 12

This course meets the one semester PE requirement for graduation. The course is fitness based and group games could be used to support fitness goals. Students will learn weight room safety and be introduced to core lifts and various fitness activities such as battle ropes, weighted bars, agility ladders, medicine balls, etc. The fitness standards will be scaled from the current fitness standards.

5061	FITNESS II	1ST SEMESTER	9, 10, 11, 12
5062	FITNESS II	2ND SEMESTER	9, 10, 11, 12

This course meets the one semester PE requirement for graduation. This course is completely fitness based. This course is designed for athletes and/or students who enjoy fitness activities. Students will review weight room safety and focus on core lifts, auxiliary lifts and various fitness activities. This course uses the current FHS PE fitness testing standards.

5101	CARDIOVASCULAR FITNESS	1ST SEMESTER	9, 10, 11, 12
5102	CARDIOVASCULAR FITNESS	2ND SEMESTER	9, 10, 11, 12

This course meets the one semester PE requirement for graduation. This course is fitness based. Students will learn weight room safety and focus on core lifts and various fitness activities. Workouts often include low-weight, high repetitions used to improve cardiovascular fitness. The course will use the current FHS PE fitness testing standards.

5041	LIFETIME ACTIVITIES	1ST SEMESTER	9, 10, 11, 12
5102	LIFETIME ACTIVITIES	2ND SEMESTER	9, 10, 11, 12

Students in Lifetime Activities will build upon the knowledge and skills achieved in prior PE classes to participate in sports that can be used throughout one's life. Instruction will be targeted at participation for the health and enjoyment of sports. The student will gain skills and an understanding of the rules and strategies to comfortably participate in the activity outside of school in a recreational setting. Activities may include badminton, basketball, volleyball, tennis, pickleball, soccer, and Ultimate Frisbee/Football. A standard fitness evaluation will be administered each semester.

PREREQUISITE: Successful completion of Fitness I or II, or Cardiovascular Fitness.

PHYSICAL EDUCATION

5131	HEALTH	1st SEMESTER	9
5132	HEALTH	2nd SEMESTER	9

Health is a required, one-semester class that emphasizes empowering our students to make healthy choices by providing them with information and developing their communication and decision-making skills. Topics to be covered include: nutrition and physical activity; alcohol, tobacco, and other drugs; safety; social and emotional health; personal health and wellness; basic first aid; HIV prevention; and sexuality education.

This course fulfills the Health Education component of the Michigan Merit Curriculum.

NOTE: This class **does not meet N.C.A.A.** core requirements.

5401	TEAM SPORTS OFFICIATING	EITHER SEM.	10, 11, 12
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This semester course will introduce students to officiating basics in the following MHSAA tournament sports...football, soccer, basketball, volleyball, wrestling, baseball and softball. Students will study the rules particular to each sport, basic officiating mechanics and game management strategies. Students are required to put these skills into practice outside of class by participating in opportunities provided by Mr. Smith (AYSO, UPWARD referee, observe games, meet with officials, yard markers at football games, etc.) The course work is designed to prepare students to register for the MHSAA Official Legac Program and be eligible for officiating MHSAA sponsored athletic events.

PREREQUISITE: Application Form (Obtain from Counselor or instructor)

	MINDFUL MOVEMENT	EITHER SEM.	10, 11, 12
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This course does not meet the one semester PE requirement for graduation. The course focuses on learning and practicing mindfulness (the ability to be fully present, aware of where we are and what we are doing and not overly reactive or overwhelmed). The course will use breathing and stretching exercises as well as walking and journaling as modes to practice being mindful. The fitness testing standards will focus on flexibility and strength holds.

PREREQUISITE: Successful completion of Fitness 1, Fitness 2, or Cardiovascular Fitness.

MATHEMATICS DEPARTMENT

Michigan Merit Curriculum requirements: 4 Mathematics credits

Required classes: Algebra I, Geometry, Algebra II, and another math class in senior year

3034/3035	ALGEBRA I	FULL YEAR	9, 10, 11, 12
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This course will help the student to think logically and will follow the guidelines of the Michigan Merit Curriculum. This course will use the real number system in solving equations, both linear and quadratic. Course content will include factoring, rational numbers, solutions of open sentences, and using word problems of all types.

NOTE: Required course for the 9th grade.

3144/3145	GEOMETRY	FULL YEAR	9, 10, 11, 12
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This course will introduce the student to all of the concepts usually included in high school plane and solid geometry. The emphasis is on understanding and application of these geometric concepts and relationships between shapes, lines, and angles. Concepts and skills will be developed relative to two and three dimensions and will focus on congruence and similarity in various contexts. This course will follow the guidelines of the Michigan Merit curriculum.

PREREQUISITE: Algebra I

NOTE: Required course for 10th grade.

3184/3185	ALGEBRA II	FULL YEAR	10, 11, 12
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This course is a study of the operations and properties of the real and complex number systems. Course content will include solving and graphing the following functions: quadratics, polynomials, radicals, rationals, exponentials, logarithmic, and conic. Content also includes solving systems of linear equations, probability, statistics, matrices and introduction to the unit circle. This course will follow the guidelines of the Michigan Merit curriculum.

PREREQUISITE: Algebra I and Geometry.

3194/3195	ALGEBRA IIA (yearlong)	FULL YEAR	11, 12
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This course will cover the material contained in the first semester of the Algebra II curriculum. The class will be slower paced and is designed for the student who struggles in math. It is not appropriate for those students intending to study math or science at a four-year university.

PREREQUISITE: C- or lower in Algebra I.

3196/3197	ALGEBRA IIB (yearlong)	FULL YEAR	12
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This course is a continuation of Algebra 2A in which the topics covered during the second semester of a traditional Algebra 2 class will be studied and developed. This course is intended for students who do well in algebra when taught at a slower pace and who enjoy math and/or plan to use it in their future careers. Although the course moves at a slower pace, it covers advanced mathematical topics, including radical functions, logarithms, rational functions, conic sections, matrices, probability, and trigonometry.

3054/3055	CONSUMER MATH	FULL YEAR	12
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As a consumer, a person is faced continually with making decisions about the purchase and use of goods and services. The intent of the course is to help the consumer make wise decisions through the use of good mathematics. Included in the topics of study are transportation, housing, clothing, food, income, taxation, credit, banking, insurance, investments, and loans.

NOTE: This class **does not meet N.C.A.A.** core requirements.

3224/3225	PRE-CALCULUS/TRIGONOMETRY	FULL YEAR	11, 12
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This course is for the serious mathematics student who will probably study calculus in high school or college. Analysis of functions, regression curves for real life data, and the deductive nature of mathematics are stressed throughout the course. Course content will include a thorough study of basic functions including linear, quadratic, exponential and logarithmic examples. In addition, conic sections, sequences and series, and vector algebra will be covered as well as work with limits and some of the fundamental ideas of calculus, including derivatives and integrals. The course also includes a study of trigonometry equivalent to a separate trigonometry course.

PREREQUISITE: Algebra II or Trigonometry/Stat.

3234/3235	AP CALCULUS	FULL YEAR	11, 12
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This course is for the serious mathematics student who desires to have a maximum background in high school mathematics. Students taking this class will be expected to take the AP Calculus test. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed geometrically, algebraically, numerically, and verbally. Technology, especially graphing calculators, plays an important role in this class and each student will be expected to have one.

PREREQUISITE: Pre-Calculus or Trigonometry/Statistics.

NOTE: Students enrolling in AP classes should expect an hour of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class. Before you finalize a request for this class, be aware that if you are scheduled for an AP class you **will not** have the option of dropping the class.

3244/3245	TRIGONOMETRY/STATS	FULL YEAR	11, 12
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This course is designed to cover the concepts of trigonometry first semester and statistics second semester. Focus topics include; unit circle, radians and degrees, verifying identities, using formulas trigonometry functions and equations, descriptive statistics, probability, distributions, confidence intervals and hypothesis testing. Also, topics will include a unit on numbers with bases other than 10 and a unit on derivatives.

PREREQUISITE: Algebra II

3264/3265	AP STATISTICS	FULL YEAR	11, 12
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The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. **Exploring Data:** Describing patterns and departures from patterns 2. **Sampling and Experimentation:** Planning and conducting a study 3. **Anticipating Patterns:** Exploring random phenomena using probability and simulation 4. **Statistical Inference:** Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. In contrast to many math classes, this course will require reading and studying the text.

Prerequisites Completion of Alg II (B- or better, or teacher recommendation) and basic knowledge of a TI 83 or TI 84 graphing calculator (important that you have your own calculator.)

SCIENCE DEPARTMENT

Michigan Merit Curriculum requirements: Three Science credits

Required classes: Integrated Science Lab, Biology/Advanced Biology, and Chemistry/Advanced Chemistry or Physics/Conceptual Physics

4034/4035	BIOLOGY	FULL YEAR	9
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This biology class is for students who will **NOT** be pursuing a career in a science related field (If so, see Advanced Biology). Biology is the study of life and the interactions with the environment. Biology focuses on molecular biology, ecosystems, heredity, and biological evolution.

NOTE: This class will **NOT** fulfill the prerequisite for entry into AP Biology. *This is not a sequencing class –students will take **EITHER** Biology **OR** Advanced Biology.*

4044/4045	ADVANCED BIOLOGY	FULL YEAR	9
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This biology class is for students who **WILL** be pursuing a career in a science related field. Biology is the study of life and the interactions with the environment. Advanced Biology focuses on molecular biology, ecosystems, heredity, and biological evolution but in a greater depth than Biology.

NOTE: This class **WILL** fulfill the prerequisite for entry into AP Biology. *This is not a sequencing class –students will take **EITHER** Biology **OR** Advanced Biology.*

4054/4055	INTEGRATED SCIENCE LAB	FULL YEAR	10
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This course will cover the essentials of physics and chemistry required by the State of Michigan as a graduation requirement.

4134/4135	CHEMISTRY	FULL YEAR	11, 12
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This chemistry class is for students who are planning on attending college, but will **not** be majoring in a field that requires chemistry. (Some fields requiring chemistry are chemists, physicists, biologists, engineers, doctors, nurses, dentists, pharmacists, physical therapists, veterinarians, any medical field and fire fighters.) Chemistry is the study of matter and energy and the interactions between them. Chemistry tends to focus on the properties of substances and the interactions between different types of matter, particularly chemical reactions. This class will help explain everyday chemical phenomena. This is a lab course; at least one lab will be completed per unit. Students will learn the analytical skills and principles of chemistry. The math covered in chemistry will be taught at a slower pace for those who struggle with math. This class will fulfill the Michigan Merit Curriculum for chemistry.

NOTE: This class will **not** fulfill the prerequisite for entry into AP Chemistry, AP Biology or AP Physics. If a student earns an “A” in both semesters of Chemistry, they may take AP Chemistry if they fulfill the other requirements also. *This is not a sequencing class –students will take **EITHER** Chemistry **OR** Advanced Chemistry.*

SCIENCE ELECTIVES

4144/4145	ADVANCED CHEMISTRY	FULL YEAR	11, 12
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This chemistry class is for students who are planning on attending college and majoring in a field that requires chemistry. **(Some fields requiring chemistry are chemists, physicists, biologists, engineers, doctors, nurses, dentists, pharmacists, physical therapists, veterinarians, any medical field and fire fighters.)** Chemistry is the study of matter and energy and the interactions between them. Chemistry tends to focus on the properties of substances and the interactions between different types of matter, particularly chemical reactions. This class will help explain everyday chemical phenomena. This is a lab course; at least one lab will be completed per unit. Students who take chemistry will learn analytical skills necessary to be successful in college classes.

PREREQUISITE: Students wishing to take Advanced Chemistry without previously taking ISL will need to score well on the Advanced Chemistry placement test as well as earning a “B” or higher in Advanced Biology and a “B” or higher in Algebra.

NOTE: A strong background in mathematics is necessary to be successful in this class. Students wishing to take **AP Chemistry, AP Biology or AP Physics** as a senior must earn a “B” or better in this course. *This is not a sequencing class –students will take EITHER Chemistry OR Advanced Chemistry.*

4174/4175	CONCEPTUAL PHYSICS	FULL YEAR	11, 12
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This full year class will fulfill the physics core requirements determined by the State of Michigan. This class will focus on the concepts of physics. Students will spend a significant portion of their time in the laboratory doing experiments. This course will include a study of motion, forces, energy, momentum, electricity, magnetism and atomic physics. This class is intended for college and non-college bound juniors and seniors.

4184/4185	PHYSICS	FULL YEAR	11, 12
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An exploration of how our physical world works begins with a study of physics. This course includes a study of motion and mechanics, properties of matter, heat, light, sound, electricity, magnetism, and atomic and nuclear physics. Students will spend approximately one third of their time in the laboratory discovering physics concepts. Most of the experiments will include the use of computer interfaced equipment and measuring devices. Computer simulations will be used to support some experiments, which cannot be done in the laboratory setting. Students who take physics will learn analytical skills necessary to be successful in college courses. Some careers involving physics include engineering, research or industrial science, astronomy, meteorology, marine sciences, biophysics, geophysics, and the health sciences.

PREREQUISITE: Algebra I and Geometry

SCIENCE ELECTIVES

4064/4065	AP BIOLOGY	FULL YEAR	11, 12
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AP Biology is the equivalent of a year-long college biology course taken by biology majors. The expectations and work load are extremely high when compared to a high school biology class. In order to succeed, students will need to commit a **very** large portion of their time to daily reading, studying and homework. In addition, students will need to complete an entire unit during the summer before the school year begins, with an exam during the first week of school. **Many of the required thirteen laboratories will require students to either stay into their lunch period or after school for completion.** Students are expected to take the AP biology exam in May.

PREREQUISITE: Students must complete both Advanced Biology and Advanced Chemistry with a grade of B or better in both classes before signing up for this course. Students taking regular chemistry are not eligible to take this course. **Genetics is strongly recommended.**

NOTE: Students enrolling in AP classes should expect an hour of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class.

4154/4155	AP CHEMISTRY	FULL YEAR	11, 12
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This course is designed by the College Board to be the equivalent of an accelerated general chemistry course normally taken during the first college year. It is an extension of the topics covered in a high school college prep class with an emphasis on chemical calculations and laboratory work. To succeed in this class, students need to have performed well in Chemistry, have strong math skills, and strong study skills. Students will need to complete one (1) unit during the summer with an exam over the material the first week of school. **In addition, many labs will require students to stay after school for completion.**

PREREQUISITE: Received an A or high B in Advanced Chemistry, currently enrolled in Trigonometry, Pre-calculus, or AP Calculus. **Physics is strongly recommended.**

NOTE: Students enrolling in AP classes should expect at least two (2) hours of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class.

SCIENCE ELECTIVES

4070	ANATOMY AND PHYSIOLOGY	EITHER SEM.	10, 11, 12
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Anatomy will entail studying the systems of the human body and how these systems operate in conjunction with each other. This course looks at bodily structures and their functions at homeostatic levels. Diseases and or disorders that arise when the body is not operating at its 'norm' will also be discussed. The cow eye and fetal pig will be dissected and used for comparison to the human anatomy.

PREREQUISITE: Biology or concurrent with Biology.

4120	BOTANY	EITHER SEM.	10, 11, 12
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This course is a one-semester study of all phases of plant life. This class is designed for the student who wishes to increase their knowledge of plant anatomy and physiology, especially of the flowering plants. The economic and medicinal importance of plants will also be studied. Students will have an opportunity to grow a variety of plants through hands-on laboratory experiments.

4100	ENVIRONMENTAL SCIENCE	EITHER SEM.	9, 10, 11, 12
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This course is for the student who wishes to increase his/her knowledge of the environment and factors that influence the conditions of the environment. Topics include study of major pollutants, the earth's ecosystems, and the interaction of organisms and the environment. Students will also analyze the water quality of the Flint River. Current environmental issues will be emphasized.

4080	GENETICS	EITHER SEM.	10, 11, 12
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Topics covered include genetic principles, heredity types, probability problems, genetic basis for disease and the process of gene expression. The laboratory portion of the course includes a long-term project utilizing fruit flies to demonstrate genetic principles. In addition, several laboratories are performed that incorporate recent technologies such as gene cloning, expression, DNA fingerprinting and analysis.

PREREQUISITE: Biology or concurrent with biology.

4090	MICHIGAN OUTDOORS	EITHER SEM.	9, 10, 11, 12
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This course is for any student who wishes to investigate all of the natural resources our beautiful state has to offer. Students will learn about Michigan's natural history, geography, ecosystems, and recreation, as well as how to identify Michigan animal and plant species. Numerous hands-on activities accompany this course, including fly-tying and archery.

NOTE: This class **does not meet N.C.A.A.** core requirements.

SOCIAL STUDIES DEPARTMENT

Michigan Merit Curriculum requirements: 3 Social Studies credits
 Required classes: World History, US History, Civics, and Economics

2004/2005	WORLD HISTORY/GEOGRAPHY	FULL YEAR	9
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This course is a comprehensive study of world history that surveys both ancient and modern world history. Students will identify and analyze events, issues, people and places that have shaped us all. An emphasis on geography is also included.

NOTE: Required course for 9th grade.

2014/2015	U.S. HISTORY/GEOGRAPHY	FULL YEAR	10
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This course is a comprehensive study of American history from 1890 to the present. The emphasis will be on the role history has played in shaping our modern nation. Students will identify and analyze events, issues, people, and places that have made the United States the country it is.

NOTE: Required course for 10th grade.

2034/2035	CIVICS	EITHER SEM.	11
2020	CIVICS	EITHER SEM.	11

This is a general course in American government. The legislative, executive, and judicial branches of government will be examined. The state and federal relationships will also be studied. A review of political parties and elections will follow.

NOTE: Required course for 11th grade.

2054	ECONOMICS	EITHER SEM.	11
2020	ECONOMICS	EITHER SEM.	11

This course is organized to introduce students to basic economic concepts. Students will explore individual and social economic choices and public and private sector decisions. Emphasis is placed on supply and demand with an overview of microeconomics and macroeconomics. Other areas of study will include Gross Domestic Product, money and banking, as well as monetary and fiscal policies. The course will conclude with a study of the global marketplace.

NOTE: Required course for 11th grade.

2040	GLOBAL ISSUES	EITHER SEM.	11
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This class focuses on the themes of history, geography, economics and civics. Students will analyze various issues; develop group discussion skills, argumentation techniques, and the ability to create logical ideas through various means of assessment. forms of assessments will include tests, critical thinking essays, individual and group projects, presentations, and internet activities

SOCIAL STUDIES ELECTIVES

2070	MICHIGAN-LOCAL HISTORY	EITHER SEM.	11, 12
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This course covers two areas of study. One part will focus on the history of the State of Michigan. The other part will cover local history, which includes Genesee County, Flushing, and the automotive industry. The course may include field trips to local museums and other areas of interest.

2080	CRIMINAL JUSTICE	EITHER SEM.	11, 12
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This class gives an overview of the three areas of the criminal justice system; cops, courts and corrections. The federal, state, and local police agencies are studied including special techniques and practices. Highlights of the course include guest visits by the FBI, DEA, state and local police; an overview of forensic techniques and homicide investigations; demonstration of a K-9 unit with drug and field searches.

2084/2085	AP GOVERNMENT & POLITICS	FULL YEAR	12
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This course is designed to be the equivalent of a one-semester college introductory course in U.S. government and politics. This course will give students an analytical perspective on government and politics in the United States. Areas of study will include the following: U.S. Constitution, political beliefs and behaviors, political parties/interest groups/mass media, institutions of national government, public policy, and civil rights and liberties.

PREREQUISITE: Any student wishing to take AP Government and Politics will need to complete a recommendation form in order to sign up for the course. Recommendation forms are available from the AP Government teacher. If recommendation forms are not returned, the student may be removed from the AP Government and Politics list. For students to be successful in AP Government, it is suggested that students should have a B or higher in their core Social Studies and English courses.

NOTE: Students enrolling in AP classes should expect an hour of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class.

2090	HOLOCAUST	EITHER SEM.	10, 11, 12
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This course is an in depth study, analysis, and opportunity for students to learn more about this tragic event looking at its background, process, execution, discovery, and impact. Information will be presented through our selected text and discussed in a variety of ways. These ways include, but are not limited to; teacher presentation, individual student analysis, consensus based summary and both group and individual presentation. Students will be asked to create one group project, as well as write and present one position paper. Chapter Quizzes will be used to assess student understanding of course information on a regular basis.

PREREQUISITE: It is encouraged, but not required, that students have completed a high school World or American History class successfully. Having successfully completed both is highly recommended.

2110	CIVIL WAR	EITHER SEM.	11, 12
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This course is the study of the U.S. Civil War. The causes and processes involving the separation between the Union and the Confederacy will be studied. In this course the student will identify pre-war political struggles starting around 1800; analyze military strategy of both the North and the South; and identify and analyze some of the great battles.

SOCIAL STUDIES ELECTIVES

2314/2315	AP UNITED STATES HISTORY	FULL YEAR	10, 11, 12
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This course is a survey of United States history from the settlement of the New World to the present. Students will learn analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. This course will prepare students to take the AP United States History examination.

PREREQUISITE: It is recommended that the student has an A- or better in World History or a current Social Studies class and demonstrate good writing skills.

NOTE: Students enrolling in AP classes should expect an hour of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class. Before you finalize a request for this class, be aware that if you are scheduled for an AP class you **will not** have the option of dropping the class.

2304	AP WORLD HISTORY	FULL YEAR	9, 10, 11, 12
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This is a college level survey course in World History that will cover topics ranging from the beginnings of human history up to the present day. Students will learn analytical skills that will be applied to group discussion and essay writing. Students will look at the world through a wide lens by looking at changes and continuities in history as well as comparisons among civilizations. It is the expectation that students will take the AP World History Exam given in May.

PREREQUISITE: It is recommended that the student has an A- or better in World History or a current Social Studies class and demonstrate good writing skills.

NOTE: Students enrolling in AP classes should expect an hour of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class. Before you finalize a request for this class, be aware that if you are scheduled for an AP class you will not have the option of dropping the class.

2200	INTRO. TO PSYCHOLOGY	EITHER SEM.	11, 12
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This course will study individual behavior development. It will answer questions such as who am I, what motivates me, and why do I think in certain ways? Included is a study of learning, perception, biological causes of behavior, and personality.

2190	SOCIOLOGY	EITHER SEM.	11, 12
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This course is the study of the functions of human groups and the forms of social organizations. In this course the student will understand the role of the individual in society, the development of groups and institutions, and the results of the inter-relationships of these factors. The student will also examine the elements that go into the make-up of society.

SOCIAL STUDIES ELECTIVES

2324/2325 AP HUMAN GEOGRAPHY	FULL YEAR	10, 11, 12
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The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Prerequisites Successful completion of 9th Grade World History and English 9. Students need to be able to read college-level texts and apply the conventions of Standard Written English in their writing. Students should have a B or higher in their core Social Studies courses (including but not limited to AP US History, AP World History, Civics, Economics, American History and World History classes.)

NOTE: Students enrolling in AP classes should expect an hour of homework each night as these classes are very challenging. Students should be conscious of balancing class-work and extra-curricular activities/job when selecting an AP class. Before you finalize a request for this class, be aware that if you are scheduled for an AP class you **will not** have the option of dropping the class.

WORLD LANGUAGE DEPARTMENT

Michigan Merit Curriculum Requirements: 2 credits

**Many colleges encourage students to take a minimum of two years of a foreign language.

6004/6005	FRENCH I	FULL YEAR	9, 10, 11, 12
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This course is designed to help students learn basic communication skills in French. General vocabulary around the themes of time concepts, numbers, self, home, family, hobbies, school, shopping and foods will be introduced. Basic grammar structures will be applied to help students piece together the vocabulary in basic, yet meaningful conversations and simple writings. Students will be introduced to general cultural aspects of French speaking countries, as well as the importance of the French language in the global community.

NOTE: Students who pass French I (whether in the High School or Middle School) should go on to French II.

6024/6025	FRENCH II	FULL YEAR	9, 10, 11, 12
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This course is designed to encourage students to expand their French speaking and writing skills in order to build toward fluency. Students will acquire skills that will allow them to communicate using past and future tenses, as well as to apply more descriptive vocabulary. Vocabulary will be enhanced through themes such as travel, vacation, future planning, nutrition, geography, and current events.

PREREQUISITE: French I. A grade of C- or better in French I is strongly recommended.

6044/6045	FRENCH III	FULL YEAR	10, 11, 12
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This course assists in moving students toward extended discourse through connecting their French skills with everyday experiences and interests. Students will express opinions, discuss short readings, and respond to open ended questions. Students will explore the relevance of their French skills in potential career paths.

PREREQUISITE: French II.

6064/6065	FRENCH IV	FULL YEAR	11, 12
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This course is designed for the serious French student who wishes to continue learning more about the language and culture. Along with more sophisticated grammar and vocabulary, students will learn about French contributions to the world (music, literature, sports, history, art ...) in the target language.

PREREQUISITE: French III.

NOTE: The student may consider taking the Advanced Placement test after this level.

6084	FRENCH V	FULL YEAR	12
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This course is for the student who plans to continue the study of French in college, or who wishes to achieve the greatest possible fluency in high school. More grammar is reviewed and introduced. There may be more literature, art, etc. units, but there is some flexibility to base the course on the interests of the students in the class at the time.

PREREQUISITE: French IV.

NOTE: Students may elect to take the Advanced Placement test for college credit or may take their individual college foreign language placement test.

WORLD LANGUAGES

6124/6125	SPANISH I	FULL YEAR	9, 10, 11,12
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This course is for the student who will learn to speak and understand some essential Spanish. The year begins with a “welcome” consisting of greetings and everyday expressions, ordering food, and the use of numbers. Students will explore topics dealing with school, shopping, sports, the family, health, and medicine. The student will be able to speak and write on these topics.

NOTE: Students who pass Spanish I (whether in the High School or Middle School) should go on to Spanish II.

6144/6145	SPANISH II	FULL YEAR	9, 10, 11, 12
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This course is designed to give students a practical view of the use of Spanish as well as being a stepping stone to level 3. Here the vocabulary includes transportation and travel, ordering in restaurants, telecommunications, Hispanic holidays and city and country life. The student is introduced to increasingly sophisticated grammar and tenses.

PREREQUISITE: Spanish I. A grade of C- or better in Spanish I is strongly recommended.

6164/6165	SPANISH III	FULL YEAR	10, 11, 12
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This course is for the Spanish student who wants to become more proficient through the continued study of vocabulary and grammar. This year provides a balanced focus on listening, speaking, reading and writing skills. General topics include the medical world, Hispanic cooking and history of cooking, celebrations, chores, manners, travel, art and literature, and careers.

PREREQUISITE: Spanish II.

6184/6185	SPANISH IV	FULL YEAR	11, 12
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This course is for the Spanish student who wishes to review grammar, along with the introduction of more advanced forms of communication. We use Spanish all of the time. Intensive practice is provided in speaking, reading, and writing. Aspects of the Spanish-speaking culture are studied, including social, history, and political problems, customs, art, music, and literature.

PREREQUISITE: Spanish III.

NOTE: The student may consider taking the Advanced Placement test after this level.

6204/6205	SPANISH V	FULL YEAR	12
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This course is for the student who intends to continue his/her study in college, or for those who wish to achieve the greatest possible fluency in high school. More grammar is reviewed and introduced. Emphasis is on expanded oral presentations and more extensive writing assignments. The introduction of literature is an important part of the curriculum at this level, and movies in Spanish will be used to develop listening skills.

PREREQUISITE: Spanish IV.

SPECIAL EDUCATION DEPARTMENT

SPECIAL EDUCATION ENGLISH

1004C/1005C	ENGLISH 9 CO-TAUGHT	FULL YEAR	9
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This course is designed to help the student understand the basics of literature, comprehension, and writing. Students will continue career explorations and development of their EDP. This class follows the same curriculum and pacing as the regular education English 9 class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8504/8505	ENGLISH 9 SKILLS	FULL YEAR	9
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This course is for the student who needs to improve written expression skills, basic reading skills, and comprehension skills and the understanding of basic literature and writing. Students will continue career explorations and development of their EDP.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

1044C/1045C	ENGLISH 10 CO-TAUGHT	FULL YEAR	10
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This course is designed to help the student continue improvement of writing, speech and research skills. These activities will be utilized to support thinking and organizational skills. A study of various literary genres, both fiction and non-fiction will be explored and students will be required to write essays of various modes and difficulties. Students will continue career exploration and development of their EDP. This class follows the same curriculum and pacing as the regular education English 10 class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8554/8555	ENGLISH 10 SKILLS	FULL YEAR	10
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This course is for the student who needs to continue building their reading and writing skills in a smaller setting. Students will read and analyze literature through the reading of novels, graphic novels, and biographies. There will be an emphasis on improving students' writing skills, reading abilities, and grammar usage. Students will continue career exploration and update their EDP.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

1054C/1055C	ENGLISH 11 CO-TAUGHT	FULL YEAR	11
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This course will survey British Literature by studying the following works: Beowulf, The Canterbury Tales, Frankenstein, Macbeth and Lord of the Flies. In addition, other literary genres such as non-fiction and poetry will be studied as a means to further comprehension of the major works studies. Students will also be required to write essays of varying modes and difficulty. Students will continue career exploration and development of their EDP. This class follows the same curriculum and pacing as the regular education English 11 class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

SPECIAL EDUCATION ENGLISH

8544/8545	ENGLISH 11 SKILLS	FULL YEAR	11, 12
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This course is for the student who needs to increase skills in language arts necessary for daily living. Students will read and analyze novels such as: Frankenstein, The Hunger Games, Macbeth, and The Glass Castle. Students will also read and analyze short stories. Students will be required to write essays of varying modes, as well as work on the use of daily language skills. Students will continue career exploration and update their EDP.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8534/8535	ENGLISH 12 SKILLS	FULL YEAR	11, 12
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This course is for the student who needs to increase skills in language arts necessary for daily living. Students will also, read and analyze novels such as: Farenheit 451, Just Mercy, and Maus I and II. Students will also read and analyze short stories. Students will be required to write essays of varying modes, as well as work on the use of daily language skills. Student swill continue career exploration and update their EDP.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

SPECIAL EDUCATION SOCIAL STUDIES

2054C	ECONOMICS CO-TAUGHT	EITHER SEM.	11
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This course is organized to introduce students to basic economic concepts. Students will explore individual and social economic choices and public and private sector decisions. Emphasis is placed on supply and demand with an overview of microeconomics and macroeconomics. Other areas of study will include Gross Domestic Product, money and banking, as well as monetary and fiscal policies. The course will conclude with a study of the global marketplace. This course follows the same curriculum and pacing as the regular education Civics class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

NOTE: Required course for 11th grade.

8640	CIVICS SKILLS	EITHER SEM.	11
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This course covers the Constitution by examining its history and exploring our rights and responsibilities as American citizens. Students will study the structure of our government at the local, state, and national levels and will explore our core democratic values.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

2034C/2035C	CIVICS CO-TAUGHT	EITHER SEM.	11
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This is a general course in American government. The legislative, executive, and judicial branches of government will be examined. The state and federal relationships will also be studied. A review of political parties and elections will follow. This course follows the same curriculum and pacing as the regular education Civics class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

NOTE: Required course for 11th grade.

8834/8835	TRANSITIONS I	FULL YEAR	9, 10
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This course is designed to help students move successfully to post-secondary activities. It helps transition students from middle school to high school level. It covers organizational, communication, budgeting, and job skills (in-school). It also covers home skills such as laundry, sewing/ironing, cooking, personal hygiene, and cleaning skills. Students begin to recognize what skills they have, and what skills they need to be successful after high school.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

NOTE: This class may fulfill the Elective requirement.

8844/8845	TRANSITIONS II	FULL YEAR	11, 12
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This course is designed to help students move successfully to post-secondary life. It helps transition students from high school to post-graduation life. It covers communication, budgeting, living expenses, and career/life skills. Career skills include building a resume, job applications, practice interviews, and paying bills, etc. Students will gain work experience by doing jobs around the high school. Students will begin to recognize what skills they have and what skills they need in order to be successful after high school.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

NOTE: This class may fulfill the elective credit and/or the Economics credit.

8854/8855	TRANSITIONS III	FULL YEAR	11, 12
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This course is designed to help students move successfully to post-secondary activities. It helps transition students from high school to post-secondary requirements/needs. It covers communication, budgeting, and essential career skills. Career skills include building a resume, completing job applications, and interviews. Students gain work experience through on-the-job training in the community, under supervision of a job coach. Students learn about outside agency's that can assist them after high school.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T. and completed Transitions I course and enrolled in Work Experience.

NOTE: This class may fulfill the Economics and Senior Seminar Requirement.

8594/8595	U.S. HISTORY SKILLS	FULL YEAR	10
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This course is a survey course in American history starting with Westward Expansion in the late 1800's and working through the 20th century. It gives students a look at the events that shaped the culture and politics of modern America. This class follows a modified version of the regular education US History class curriculum at a slower pace.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

2014C/2015C	U.S. HISTORY CO-TAUGHT	FULL YEAR	10
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This course is a comprehensive study of American history from 1890 to the present. The emphasis will be on the role history has played in shaping our modern nation. Students will identify and analyze events, issues, people, and places that have made the United States the country it is. This class follows the same curriculum and pacing as the regular education U.S. History class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

SPECIAL EDUCATION SOCIAL STUDIES

8624/8625	WORLD HISTORY SKILLS	FULL YEAR	9
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This course explores a broad range of topics starting with an overview of empires and continuing to modern day. It analyzes the influence of various cultures and how they have influenced the modern world. Students will be exposed to geography, civics and historical events throughout the world. An emphasis on geography is also included.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

2004C/2005C	WORLD HISTORY CO-TAUGHT	FULL YEAR	9
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This course is a comprehensive study of world history that surveys the Renaissance and continues up to the modern world. Students will identify and analyze events, issues, people and places that have shaped us all. An emphasis on geography is also included. This class follows the same curriculum and pacing as the regular education World History class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

SPECIAL EDUCATION MATH

3034C/3035C	ALGEBRA I CO-TAUGHT	FULL YEAR	9
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This course will help the student to think logically and will follow the guidelines of the Michigan Merit Curriculum. This course will use the real number system in solving equations, both linear and quadratic. Course content will include factoring, rational numbers, solutions of open sentences, and using word problems of types. This class follows the same curriculum and pacing as the regular education Algebra I class.

PREREQUISITE: Recommendations of special education teacher and the IEPT.

8674/8675	ALGEBRA I SKILLS	FULL YEAR	9
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Students will cover some topics in pre-Algebra including properties of real numbers, integers, and fractions and transition into solving multi-step equations, inequalities, and graphing linear equations.

PREREQUISITE: Recommendations of special education teacher and the I.E.P.T.

3144C/3145C	GEOMETRY CO-TAUGHT	FULL YEAR	10
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This course will introduce the student to all the theorems usually included in high school plane and solid geometry. The emphasis is on understanding and use of the theorems. Concepts and skills will be developed relative to two or three dimensions. Course content will include algebraic construction, application of definitions, axioms and theorems in problem solving. This course will follow the guidelines of the Michigan Merit curriculum. This class follows the same curriculum and pacing as the regular education Geometry class.

PREREQUISITE: Recommendations special education teacher and the I.E.P.T.

SPECIAL EDUCATION MATH

3194C/3195C	ALGEBRA II CO-TAUGHT	FULL YEAR	11, 12
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This course is a study of the operations and properties of the real and complex number systems. Course content will include solving and graphing the following functions: quadratics, polynomials, radicals, rationals, exponentials, logarithmic, and conic. Content also includes solving systems of linear equations, probability, statistics, matrices and introduction to the unit circle. This course will follow the guidelines of the Michigan Merit curriculum.

This class follows the same curriculum and pacing as the regular education Algebra II class.

PREREQUISITE: Recommendations of both a special education teacher and the I.E.P.T. Must have passed Algebra I.

8704/8705	GEOMETRY SKILLS	FULL YEAR	10
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This course highlights concepts covered in traditional Geometry curriculum. Topics covered will include relationships and measuring of angles, area and volume of polygons, and relationships of basic geometric figures including lines, segments, and rays.

PREREQUISITE: Recommendations special education teacher and the I.E.P.T., Algebra I Skills or Algebra I co-taught.

8724/8725	CONSUMER MATH I SKILLS	FULL YEAR	11, 12
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Consumer math is a field of mathematics that uses basic math skills in real life situations. Topics addressed include earning wages, budgeting money, managing a household, paying taxes, calculating the interest rate for a loan, banking/investing, and preparing for careers. The goal in this class to teach students about spending, saving and other aspects of "money math" which will prepare them to make better financial decisions.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8734/8735	CONSUMER MATH II SKILLS	FULL YEAR	11, 12
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This course is a continuation of Consumer Math Skills I.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T. and Consumer Math I Skills.

SPECIAL EDUCATION SCIENCE

4034C/4035C	BIOLOGY CO-TAUGHT	FULL YEAR	9
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This course will cover all areas of life science, including biological principles, cells, genetics, microorganisms, ecology, and evolution. In addition, several laboratories are performed throughout the course. This course utilizes interactive notebooks throughout the year. This class follows the same curriculum and pacing as the regular education Biology class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

SPECIAL EDUCATION SCIENCE

4054C/4055C	INT. SCIENCE LAB CO-TAUGHT	FULL YEAR	10
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This course will cover the essentials of physics and chemistry required by the State of Michigan as a graduation requirement. This class follows the same curriculum and pacing as the regular education ISL class.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8754/8755	INT. SCIENCE LAB SKILLS	FULL YEAR	10
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This course will cover the essentials of physics and chemistry required by the State of Michigan as a graduation requirement. This material is presented at a slower pace and the curriculum is modified to meet student's needs.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8764/8765	BIOLOGY SKILLS	FULL YEAR	9
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This course covers several areas of life science including, scientific methods, biological principles, ecology, cells, genetics, microorganisms, and evolution. In addition, several labs are performed throughout the course, as well as projects. This class follows a modified version of the regular education Biology class curriculum at a slower pace.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

8804/8805	ENVIRONMENTAL SCIENCE SKILLS	FULL YEAR	11, 12
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This course focuses on Earth science, ecology, animal behavior, and the effects of pollution and human activity on ecosystems, biodiversity and human health. This course includes labs and several projects. Intended for basic level science students.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

SPECIAL EDUCATION ELECTIVES

8814/8815	STUDY SKILLS	FULL YEAR	9, 10, 11, 12
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This course is for students who need assistance with assignments and tests from their regular education/co-taught classes. Students are required to bring class assignments/tests to work on, and are graded on class participation. This class will focus on organization, communication with teachers, and improving test-taking skills.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

5130C	HEALTH CO-TAUGHT	EITHER SEM.	9
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Health is a required, one-semester class that emphasizes empowering our students to make healthy choices by providing them with information and developing their communication and decision-making skills. Topics to be covered include; nutrition and physical activity; alcohol, tobacco, and other drugs; safety; social and emotional health; personal health and wellness; basic first aid; HIV prevention; and sexuality education. This course fulfills the health Education component of the Michigan Merit Curriculum. This class follows the same curriculum and pacing as the regular education Health class.

NOTE: This class **does not meet N.C.A.A.** core requirements.

PREREQUISITE: Recommendation of the Special Education teacher and the I.E.P.T.

9020	PEER 2 PEER	EITHER SEM. or BOTH	10, 11, 12
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This course is an elective accredited class that provides students an opportunity to support and model academic and social skills to a peer with special needs. The Peer 2 Peer (P2P) student is trained as a peer mentor who will accompany a student with special needs to one of his/her general or special education classes. This course focuses on assisting skills, understanding, and adapting to individual differences in the school setting, written and verbal communication skills, modeling social experiences and advocating for others. This class requires some lunch periods and after-school activities. The P2P mentor will attend case conferences to discuss the progress of their student and contribute ideas on how to more effectively help their peer progress toward his/her goals. The curriculum includes and evaluations are based on; journaling, classroom discussions and lectures, attendance, class participation with peer, reviewing and reflecting on current issues, community-based activities and a final exam project.

P2P is a course that enables the student to make a difference in another person’s life. In addition to the academic content of the course, there is ample time to apply what you are learning as you become involved in the life of another student. The goal is to spread awareness, not only to students in the P2P course, but the Flushing community as a whole. It may ultimately be one of the most rewarding and fulfilling classes you have taken at Flushing High School.

PREREQUISITE: Must complete an application, provide references and receive approval of program staff.

DISTANCE LEARNING - GENNET ITV

Distance Learning opportunities will make it possible for Flushing High School students to take a class which couldn't be offered on site. The **GenNET** system connects Genesee County school districts together by "fiber". Students taking a distance learning class will be connected with other students in as many as three other schools. The teacher will be delivering instruction from one of the four schools. Through the interactive hook-up technology, the teacher and students will be able to talk and see each other at all times. Enrollment is limited to six students per class and students must apply and be accepted into the classes. Attendance, good citizenship, and GPA are factors considered for placement. Applications are available in the Guidance Office. Once a student is placed in a **GenNET** class, he/she may not drop the class. The following 2023-2024 **GenNET** class will be offered.

American Sign Language I - Full Year

NOTE: There is a significant financial commitment on the part of the school district for each student who takes a distance learning class. Before you finalize a request for one of these classes, be aware that if you are scheduled for a class you will not have the option of dropping the class. **Also, students will need to be in class by 7:40am** each day. This is 20 minutes before the typical school day begins so students will be responsible for their own transportation and this will need to be in place before the school year begins.

GenNET ITV-AMERICAN SIGN LANG. I- GH1015	FULL YEAR	9, 10, 11
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This year-long course, which is equivalent to the first year of a college level foreign language, will introduce students to American Sign Language and the culture of the people who utilize this language in and out of the deaf community. Emphasis will be placed on ASL grammar, vocabulary, finger spelling and facial expression. Strategies for learning ASL will also be introduced. This class may not fulfill the language requirement for college entrance. (Foreign Language)

PREREQUISITE: The ability to pay attention, stay on task, and possess good organizational skills. Applications and approval are available through the Guidance Office. **Class time is 7:40-8:40am each day.**

GENESEE CAREER INSTITUTE (GCI)

Students attend the Center for 3 class periods each day in addition to attending classes at Flushing High School. The 3 class periods includes the GCI course and an online Career Essentials course that provides students with practical online awareness activities in: personal, professional, financial, communication and digital areas of the CTE student's life. Divided into five modules, students are able to explore, examine, and demonstrate their understanding of what it truly means to be career ready. These career readiness topics, coupled with an online delivery system, will prepare them for future learning experiences. Students will receive 2 credits through successful completion of the GCI course and 1 credit through successful completion of the Career Essentials course. The GCI course is issued a letter grade each Semester and the Career Essentials course is issued a Pass/Fail at the Semester based on students' successful completion of the standards at that time.

NOTE: Any 10th or 11th grade student interested in GCI must submit an application to Mr. Lister. Students apply during late fall/early winter for the coming school year. Screening of the applications takes place at Flushing High School according to any of the following criteria: standardized test results, attendance record, attitude toward school, past achievements, GPA, credits, previous courses taken, EDP Pathways, and educational plans. Applications are then sent to GCI where the final selections are made. Students have the option for two enrollment choices. **It is suggested that students use transportation provided by the school.** If a student is enrolled in a course that requires participation in an internship, and/or clinical, or offsite instruction location they must provide their own transportation to that special location as well as a permission slip to drive.

This listing will provide students with brief descriptions of all of the programs at GCI. For more detailed information and to view requirements and recommendations, please check our website (www.geneseeid.org) or call GCI at 591-4462.

Please see Mr. Lister for additional information.

M = SR YEAR MATH RELATED

** Indicates that a prerequisite is required (students must have successfully completed the first year of the program) - Returning Seniors Only - 2nd year of a 2 year program.

NOTE: All GCI courses meet the VPA graduation requirement and can substitute for one credit of the World Language graduation requirement

AGRISCIENCE

M 5032	VETERINARY MEDICINE	1ST & 2ND SESSIONS	11, 12
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Students will handle and care for a wide variety of live animals from small to large. In addition, students will cover units in medical terminology, anatomy, infection control, zoonotic diseases, animal handling, basic animal health care, the human animal bond, legal obligations, ethics, safety, employability, and practice management. Students will have the opportunity to interact with live animals, attend a field trip, and participate in FFA. Students also attend field trips and spend time each semester working at a clinical site. ***Students will need to provide their own transportation to their work based learning site. Junior Completers may return for a senior year of advanced studies with internship placement.***

M 5034	AGRICULTURE, FOOD & NATURAL RESOURCES	ALL SESSIONS	11, 12
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This course will introduce students to the growing industry of agriculture, environmental engineering, and conservation. Topics in the class include: animal health, plant science, soil and water conservation, urban and rural agriculture, business operations, sustainable practices, and agriculture technology. Students will participate in experiments using technology, classroom activities, and lab work. Students will also visit local farms, businesses, and related industries on field trips and job shadowing experiences. Leadership and teamwork skills may also be developed through membership in the National FFA organization. ***Junior Completers may return for a senior year of advanced studies with internship placement.***

ARCHITECTURE & CONSTRUCTION

M	1009	GEOMETRY UNDER CONSTRUCTION (Students attend two sessions)	1ST & 2ND SESSIONS	10, 11, 12
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This course includes elements of entrepreneurship, construction trades, and geometry. Students will learn the skills to design and build projects based on standard construction principles and drawings. A full Geometry course will be taught in tandem with a Construction Trades course.

M	1013	CONSTRUCTION TRADES	ALL SESSIONS	11, 12
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In this program, students will be introduced to many of the skilled and professional career opportunities in the Construction Industry. Students will practice skills required in the residential, commercial, and civil branches of construction.

Junior Completers may return for a senior year of advanced studies with internship placement.

M	1014	ELECTRICAL WIRING	ALL SESSIONS	11, 12
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This program teaches the fundamental concepts in residential and commercial electrical wiring, based on the National Center for Construction Education and Research (NCCER) curriculum. Students will have the opportunity to learn hands-on applications of residential, commercial, and industrial wiring careers. It is the intent of this course to prepare students for NCCER certification examinations, entry level employment, and/or postsecondary programs. **Junior Completers may return for a senior year of advanced studies with internship placement.**

ARTS, AUDIO/VIDEO, TECHNOLOGY & COMMUNICATIONS

M	3519	DIGITAL ANIMATION AND CHARACTER DESIGN	ALL SESSIONS	11, 12
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This course imagines worlds and characters with a strong emphasis on the storytelling process. Students will learn about tools and approaches for modeling, simulation, visual effects, rendering, match moving, sequencing, and composing in this industry inspired program. Students are expected to create original, innovative work.

M	3522	DIGITAL MEDIA ARTS	ALL SESSIONS	11, 12
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Students in the Digital Media Arts course will receive hands-on experience in the areas of audio and video production, broadcasting, digital cinema (film), and emerging media. Using industry-standard software and technology, students plan and complete a variety of projects focusing on all aspects of the production process, while learning from professionals who are still active in the broadcasting industry. Students will also develop teamwork and employability skills. At the conclusion of this one-year course, students will have a portfolio of work to showcase as they apply for the advanced program or look for entry-level employment. **Junior Completers may return for a senior year of advanced studies in Sound and Film Production.**

M 3525**	DIGITAL MEDIA ARTS-ADVANCED STUDIES SOUND AND FILM PRODUCTION	ALL SESSIONS	12
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This is an advanced studies course open to returning Digital Media Arts seniors. This course enables specialization in sound and film production. Sound production includes recording, producing, and mastering original content for scoring films or mass distribution, along with close analysis of the music recording industry. Film production includes advanced cinematography, editing, special effects, and promotional design. Students have access to industry standard equipment and software, and create professional websites to host their portfolios.

M 3524	VISUAL DIGITAL COMMUNICATIONS	ALL SESSIONS	11, 12
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Students in this entry level course will study at least four areas of the visual arts, including: drawing, photography, graphic design, and animation. Students learn to plan, express, and interpret ideas to visually solve a client driven problem. **Junior Completers may return for a senior year of advanced studies in VDC Studies and Portfolio Development.**

M 3523**	VISUAL DIGITAL COMMUNICATIONS ADVANCED STUDIES - VDC STUDIES AND PORTFOLIO DEVELOPMENT	ALL SESSIONS	12
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This advanced studies class is open only to returning seniors who have completed the junior year in Visual Digital Communications. This course is an in-depth study of advanced image making and artistic manipulation using illustration, digital photography and editing programs. Students will explore many career paths such as editorial illustration and design, photojournalism, and commercial photography.

M 3526	SCREEN PRINTING & DISPLAY GRAPHICS	ALL SESSIONS	11, 12
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This course introduces the creative design process, mixed with customer service training and practice in merchandising/sales/promotion. Assignments and workflow will require students to draw upon academic skills in math, science, and language arts to successfully complete assigned work within timelines and budgets. Students are expected to create original, innovative work.

EDUCATION & TRAINING

M 7212	TLC I (TEACH, LEACH COACH)	2nd SESSION	11, 12
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This course is for students interested in pursuing a career in Elementary Education or Child Development. It will explore options related to elementary teaching and child development. This program is a dual-enrollment course through MCC with work-based learning placements. This approach allows students to gain a realistic understanding of careers in education. **Students will be required to enroll in college courses through dual-enrollment and provide their own transportation to the work-based learning site.** Junior Completers may return for a senior year of advanced studies with internship placement.

FINANCE

M 6500	RISK MANAGEMENT AND INSURANCE	3rd SESSION	11, 12
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In this innovative program of both face-to-face and online instruction, students will explore careers in the Risk Management and Insurance industry in a nationally recognized risk management program. Students will investigate the process of risk management and the field of insurance including loss exposures and protection, marketing, claims adjusting, underwriting, personal insurance, financial planning, and commercial insurance. This program is highly recommended for students planning to pursue a career in business or finance. Students can earn up to three national certifications from the Insurance Institutes of America and qualify for paid summer internships. **Junior Completers may return for a senior year of advanced studies with internship placement.**

GOVERNMENT AND PUBLIC ADMINISTRATION

M 6302	JUNIOR RESERVE OFFICER TRAINING CORPS (ROTC)
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This program develops leadership, teamwork, citizenship, and self-discipline, in a positively structured military environment. Students will perform physical fitness activities, explore military science and history, government, geography, and more. Enlistment is NOT required for enrollment in this program. **Junior Completers may return for a senior year of advanced studies with internship placement.**

HEALTH SCIENCE

M 5025	MCF (MEDICAL CAREER FOUNDATIONS)	ALL SESSIONS	11, 12
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This one-year program will incorporate the fundamentals of medical terminology, team building, anatomy and physiology, emergency procedures, and basic clinical skills. Students will utilize local area hospitals and focus on different medical career paths to make an informed career decision. **Junior Completers may return for a senior year of advanced studies in Allied Health, CNA, EMT, or Nursing.**

M 5027**	NURSING—ADVANCED STUDIES	ALL SESSIONS	12
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The Nursing program teaches students basic practical personal care skills to prepare them for entry level health care employment. Successful students will be eligible to take the State of Michigan Certified Nurse Assistant (CNA) certification test and seek employment in a healthcare facility as a CNA. Students learn advanced anatomy and physiology, pharmacology, medical math, and CPR to prepare them for a college level nursing program. ***Students will need to provide their own transportation to their clinical site.***

M 5029**	HEALTH SCIENCE SPECIALTY CNA—ADVANCED STUDIES	ALL SESSIONS	12
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The CNA program teaches student basic practical personal care skills to prepare them for entry level healthcare employment. Successful students will be eligible to take the State of Michigan Certified Nurse Assistant (CNA) certification test and seek employment in a healthcare facility as a CNA. ***Students will need to provide their own transportation to their clinical site.***

HEALTH SCIENCE

M 5037**	ALLIED HEALTH PROFESSIONALS – ADVANCED STUDIES	ALL SESSIONS	12
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This second-year program will appeal to students wishing to pursue one of the following careers in a health care field: 1) an **Online Pharmacy Technician** program that allows students to, upon successful completion and after their 18th birthday, take the national exam for Certified Pharmacy Technician; 2) an online **Dental Assisting** program that allows students to be trained at several area dental offices in the dental assistant role; or 3) an **Advanced Studies Sports Medicine** program that allows students clinical work experience in different areas of the sports medicine field (with their local high school athletic trainer or working physical therapy clinics throughout Genesee County). ***Students will need to provide their own transportation to their work based learning site.***

M 5021	EMERGENCY MEDICAL CONCEPTS	1st & 2nd SESSIONS	11, 12
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This course covers an extensive volume of medical terminology and details comparative anatomy and physiology with associated pathology. This is a comprehensive course that also covers Basic Life Support/Cardiopulmonary Resuscitation, legal and ethical issues, medical emergencies, trauma, infants, and children. It will provide the basic concepts of emergency care and will be beneficial for students who wish to pursue careers in the healthcare field. **Junior Completers may return for a senior year of advanced studies in EMT.**

M 5022**	EMERGENCY MEDICAL TECHNICIAN (EMT)	ALL SESSIONS	12
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This course covers introduction to emergency care, EMT wellbeing, medical legal and ethical issues, the human body, baseline vital signs, sample history, American Heart Association Cardiopulmonary Resuscitation and automated external defibrillator, airway management, and scene size up. The student will also learn about initial assessment, focused history for the medical and trauma patients, detailed physical exams, and focused physical exams. The course will also provide an understanding about pharmacology, and respiratory, cardiovascular, and diabetic emergencies. Students will also have a 24 hour field internship riding with an ambulance service, and 24 hours of observation time in a hospital emergency room setting. Students who successfully complete the program are eligible to test for national EMT certification, once they reach the age of 18.

M 5030	SPORTS MEDICINE	1st & 3rd SESSIONS	11, 12
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This course will incorporate the fundamentals of athletic training and physical therapy. Students will study the human body and focus on major joints, their anatomy, common injuries, and basic rehabilitation of injuries. Students will have the opportunity to compete in Health Occupations Students of America. Students may choose to take a second year in which they will build on the first-year class and have the opportunity to participate in work based learning. They will also take the information they have learned to complete a career portfolio, and a course project which includes a paper and final presentation. ***Students will need to provide their own transportation to their work based learning site. Junior Completers may return for a senior year of advanced studies in Allied Health.***

M 5023	FORENSIC SCIENCE	1st & 2nd SESSIONS	11, 12
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This course will focus on using scientific evidence and technology in a problem solving manner in order to learn how to solve crimes. Students will perform physical and chemical laboratory experiments in order to process mock crime scenes and analyze physical evidence. This course involves laboratory experiments, case study analysis, safety skill demonstrations, and mock crime scene processing. The subject areas will cover entomology, fingerprinting, document examination, psychology, pathology, crime scene analysis, physical evidence, blood spatter analysis, ballistics, and criminalistics. **Junior Completers may return for a senior year of advanced studies with internship placement.**

HEALTH SCIENCE

M 5039**	FORENSIC SCIENCE ADVANCED STUDIES	ALL SESSIONS	12
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This class will incorporate the fundamentals of biomedical and scientific research career exploration. Students will focus on advanced laboratory and technology skills. The subject areas will include toxicology, DNA analysis, disease detectives and epidemiology public health careers, environmental forensics, car accident reconstruction, arson investigation, and bioterrorism defense. This course will incorporate anatomy, physics, microbiology, chemistry, and math concepts.

M 5007	MEDICAL ASSISTANT 1	ALL SESSIONS	11, 12
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In this course, students get a rare opportunity to receive training through a two-year program that will enable students to be employable upon completion, as well as eligible for state certification. The first half of a two-year program, this class introduces students to the skills and knowledge required for the Medical Assistant Registry. This first year incorporates the fundamentals of medical terminology, anatomy and physiology, and certifications including CPR, HIPAA, and OSHA. This course provides a strong focus on the curriculum required to function in a medical office in both the administrative (front desk) and clinical (patient care) components. ***Your own transportation is required for the clinical portion. Junior Completers may return for a senior year of advanced studies with internship placement.***

M 5008**	MEDICAL ASSISTANT II	ALL SESSIONS	12
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This course is the second year of a two-year program. Entry into this course requires successful completion of Medical Assistant I with recommendation of the instructor. In this class, students will continue their professional growth with the addition of advanced skills including venipuncture, electrocardiograms, and medication administration. Students will further their knowledge of insurance medical billing. A clinical externship is a large component of this second year. The clinical experience is designed to reinforce the acquired skills and to meet state certification requirements. ***Your own transportation is required for the clinical portion.***

HOSPITALITY & TOURISM

M 3010	CULINARY ESSENTIALS I	ALL SESSIONS	11, 12
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This program prepares students for entry-level employment or college opportunities in the food service industry. Students will progress through a variety of practical hands-on learning experiences and real-world activities including training in the state-of-the-art Weekdays Restaurant, which offers both table and banquet services. ***Junior Completers may return for a senior year of advanced studies with internship placement.***

M 3011**	CULINARY ESSENTIALS II	ALL SESSIONS	12
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This program prepares students for employment in the fastest growing industry in the nation. Students will learn the basics of food preparation, with a focus on proper cooking techniques, safety and sanitations, cutlery skills, as well as advanced baking skills that include classical pastries, cake decorating, and a wide variety of yeast breads and quick breads. Hot and cold food competitions and a full service banquet facility with the capacity of up to 300 guests increase students' comfort level with commercial kitchen equipment while improving teamwork and employability skills. This is the second year of a two-year program that keeps pace with the changing trends of the industry.

HUMAN SERVICES

M 1500	COSMETOLOGY I	1ST & 2ND SESSIONS	11, 12
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This basic cosmetology program is designed for juniors, and prepares them with foundational knowledge and necessary skills to prepare them for Cosmetology II. Students must complete 350 hours of basic training in theory and practical skills. Students will learn the basics of hairstyling, hair care, skin care, and nail services. Students may be required to participate on weekends, evenings, and/or during the summer to complete the number of hours required to be accepted into Cosmetology II. **Junior Completers may return for a senior year of advanced studies.**

M 1502**	COSMETOLOGY II	ALL SESSIONS	12
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This advanced cosmetology program is designed to provide students with hands-on experience in a cosmetology salon. Students in advanced cosmetology will continue to develop their knowledge (theory) and practical skills, while learning customer care, communication skills, and the know-how of running a salon business. Students in this program will be required to participate in evening, weekend, and summer sessions in order to obtain the 1,500 hours necessary to test for their state license of cosmetology. *The Advanced Cosmetology program is offered off campus and students must provide their own transportation.*

INFORMATION & TECHNOLOGY

M 2027	CYBER SECURITY	ALL SESSIONS	11,12
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Students interested in learning about becoming a Cyber Security Professional, should take this course. This course covers topics such as, vulnerabilities of computer networks, attack forms, countermeasures, defense systems, and essential skills and knowledge to troubleshoot servers in a networked environment. Students in this program will have the opportunity to earn industry certification. This is an in-demand career area with a high earning potential.

M 2020	COMPUTER HARDWARE TECHNICIAN	ALL SESSIONS	11,12
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In this course, students will focus on installing, configuring, upgrading, diagnosing, and repairing personal computers. Students will also learn how to build their own PC, as well as how to maintain, troubleshoot, and repair personal computers. The class will focus on obtaining the CompTIA A+ certifications. The CompTIA A+ certification is recognized as the information technology industry's entry level certification. **Junior Completers may return for a senior year of advanced studies with internship placement.**

M 2103**	COMPUTER HARDWARE-NETWORKING & SUPPORT	ALL SESSIONS	12
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In this second-year program, students will gain the necessary knowledge to become CompTIA Net+ certified, and will also have the opportunity to take the onsite certification during the school year. In today's electronic world, whether it's business, gaming, mobile computing or social networking, they all rely on one thing, the reliability and interaction of networks. Throughout the course of the year, students will learn computer networking and complete projects that focus on routine maintenance, customer service, help desk, and front line support skills.

INFORMATION & TECHNOLOGY

M 2055	INTRO TO 3D GAME PROGRAMMING	ALL SESSIONS	11,12
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This one-year course explores a revolutionary approach to programming by creating 3-D video games with an application based programming concept. This introductory course exposes students to object-oriented programming, and teaches fundamental programming concepts through the context of video games. Student will create programs to animate objects in a 3-D virtual world.

M 2022	WEB DESIGN PROGRAMMING & ANIMATION	ALL SESSIONS	11,12
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In this course, students explore the world of web design, animation, and graphic design, which are all incorporated into the development of web pages. They will learn how to use the many software programs in the Adobe CS suite to significantly enhance web pages. Students will also learn to build websites using HTML, Dreamweaver, Flash, and Photoshop. The class will focus on Certified Internet Webmaster curriculum.

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

M 6300	PUBLIC SAFETY & HOMELAND SECURITY	ALL SESSIONS	11,12
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This one-year program incorporates the fundamentals of law enforcement and other first-responder career fields. Students will receive classroom instruction on basic law enforcement techniques and procedures, and then use that training in multiple hands-on exercises and scenarios. It is open to high school juniors and seniors. It includes field trips to Mott Community College, the Genesee County 911 Center, and use of a crime/reaction simulator. Students who successfully complete this course may apply to take the Advanced Public Safety and Homeland Security during their senior year. This course provides an in-depth examination of the juvenile justice system to include offender classification, historical procedure laws, and the legal processing of juvenile offenders. Delinquency causation, prevention and adjudication will be studied to ascertain the philosophy and treatment that could be utilized. Also, this course will provide an in-depth look into crime scene investigation, felony traffic stop scenarios, and tactical building searches. **Junior Completers may return for a senior year of advanced studies with internship placement.**

MANUFACTURING

M 4502	WELDING	ALL SESSIONS	11,12
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This program teaches the fundamentals of four welding processes, along with cutting and blueprinting. Students will be exposed to essential skills based on American Welding Society national standards. After completing all required coursework, real-world foundation skills will also be taught as students work on self-selected projects. It is the intent of this course to prepare students for employment, apprenticeship, and post-secondary programs in the welding field. **Junior Completers may return for a senior year of advanced studies with internship placement.**

MANUFACTURING

M 4511	COMPUTERIZED NUMERICAL CONTROL (CNC) MACHINING	3rd SESSION	11,12
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This one-year program prepares students for entry level employment or apprenticeship as a machine operator. Machine operators are in demand in Southeast Michigan. Students learn to set up a variety of machine tools to produce precision parts and instruments. Students learn technical knowledge and skills to operate CNC tools including lathes, mills, precision measuring tools, and related attachments and accessories, in order to perform machining functions critical to the manufacturing process, including cutting, drilling, shaping and finished products, and component parts. Students successfully completing this program will earn up to 25 credits from Baker College. *Space in the Computerized Numerical Control (CNC) program is limited to twelve students. This course is offered on campus at Baker College of Flint. **Students must provide their own transportation to Baker College.***

MARKETING

M 6508	VIRTUAL ENTERPRISES INTERNATIONAL (VEI) ENTREPRENEUR	2nd & 3rd SESSIONS	11, 12
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This program replicates all the functions of a real business in both structure and practice. Students create and manage a virtual business from product development, production and distribution, to marketing and sales, human resources, accounting/finances, and web design. This is an in-school business simulation that offers students a competitive edge through project based learning, and the development of 21st century entrepreneur skills. This course engages students in higher-order thinking by challenging them with practical career-based problems in entrepreneurship. Students will develop a portfolio, business plan, and presentation and participate in work based learning experiences, research, and Distributive Education Clubs of America competitions. **Junior Completers may return for a senior year of advanced studies with internship placement.**

SCIENCE TECHNOLOGY, ENGINEERING & MATH – STEM

M 2507	COMPUTER AIDED DESIGN (CAD)	ALL SESSIONS	11,12
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Design and draw homes and/or mechanical parts using industry standard software to create technical plans. Create 3D virtual models and scaled wooden architectural models; operate a 3D scanner, and a 3D printer. **Junior Completers may return for a senior year of advanced studies with internship placement.**

M 2508**	ADVANCED CAD	ALL SESSIONS	12
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This class offers a hands-on approach to the field of Computer Aided Design (CAD). It is a great class for students who like drawing, creating, and designing. Both mechanical and architectural drafting/CAD concepts will be covered, while students create both 2D and 3D objects using advanced computer software such as Autodesk AutoCAD, Inventor, and Revit.

M 2512	DISCOVER E - ENGINEERING	ALL SESSIONS	11,12
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In this program, students will explore the many fields of engineering and engineering technology. This project-based course will introduce students to tools and methods used by real-world engineers, and offers exposure to strong foundation skills necessary for a career in the design and engineering fields. It is the intent of this course to prepare students for postsecondary endeavors in an engineering or engineering technology discipline.

SCIENCE TECHNOLOGY, ENGINEERING & MATH – STEM

M 2532**	DISCOVER E – STEM ADVANCED STUDIES	ALL SESSIONS	12
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Returning seniors have the option to take an advanced studies course in their area of study, if they successfully complete all course requirements in their junior year. Students enrolled in an advanced study course will learn advanced topics in their area of study. Assignments and projects will be individually developed with input from both student and instructor. Opportunities for job shadow experiences will be made available to students.

TRANSPORTATION DISTRIBUTION & LOGISTICS - TDL

M 5507	AUTOMOTIVE TECHNOLOGY	ALL SESSIONS	11,12
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This program instructs students on how to hoist up a car, diagnose and repair problems with brakes, electrical systems, engine, steering, and suspension. This program, which can be taken for one or two years, incorporates the fundamentals of the Automotive Service Excellence/National Automotive Technicians Education Foundation (NATEF) certified curriculum. Instructors hold Automotive Service Excellence certification. The course covers NATEF maintenance and light repair standards in brakes, steering and suspension, electrical, manual transmission, automatic transmission, heating and air conditioning, engine performance and engine repair. **Junior Completers may return for a senior year of advanced studies with internship placement.**

M 5508**	AUTOMOTIVE TECHNOLOGY ADVANCED STUDIES	ALL SESSIONS	12
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Employers are seeking professionals in the automotive industry with a background in electronics and computers, as well as communication, math, and problem-solving skills. Students will also learn shop orientation, shop safety, tool knowledge, and more, and participate in a work based learning experience. ***Your own transportation to the work based learning experience location is required.***

M 5505	MEDIUM/HEAVY DUTY TECHNICIAN	ALL SESSIONS	11,12
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In this one-year program, students will work on major brands of engines and equipment including Caterpillar, Cummins, Detroit, and others. The diesel engine, because of its durability and fuel efficiency, is the preferred engine for medium/heavy-duty trucks, buses, and other large vehicles. Students will operate and perform maintenance on construction equipment, such as a dozer, backhoe, and forklift. **Junior Completers may return for a senior year of advanced studies with internship placement.**

GENESEE COUNTY EARLY MIDDLE COLLEGE

The Genesee County Career and Technical Education Early Middle College is an exciting and effective way for students to earn up to an Associate's Degree while still in high school in specific career pathways. Through this innovative program, students will be able to save both time and money as they pursue a college credential. In order to complete the coursework required for this program, students will commit to spending 3 years in the GC CTE EMC, grades, 11, 12, and 13. The EMC is structured so that students gradually increase their exposure to college courses throughout their high school experience.

Students apply for admission in grade 10 and, if accepted begin taking college classes in grade 11. Students will take a combination of high school and college courses during grades 11 and 12. By the time they reach the fifth year of high school, they will be a full-time college student and, in most situations, all their coursework will be completed on-site at the college/university. The fifth year includes two high school graduation requirements that are transferred back to the high school.

Students in the GC CTE EMC program will receive support services to assist them in their transition from high school to college.

Access the GC CTE EMC website at:

https://www.geneseeisd.org/educational_programs/career_technical_education/cte_early_middle or contact Ms. Nicole Lord, Early College Director, at nicole.lord@flushingschools.org for more information.

FLUSHING RAIDER EARLY COLLEGE (FREC)

Flushing Raider Early College is a five-year high school program that is designed to allow a pupil to earn a high school diploma and either a minimum 60 transferable college credits, an associates degree, the Michigan Early/Middle College Association (MEMCA) Certificate, or an industry certification.

Who Can Apply:

- Sophomore students at FHS.
- Students with the mindset, resilience, and internal drive to be successful in early college.
- Students interested in continuing their education.
- Students fully willing to commit to an extra (5th) year with the Flushing Raider Early College by signing a contract/agreement.
- Student and parents are supportive of the extra time commitment, different high school and college calendars, and are committed to the program requirements.
- The minimum requirements include: 2.0 GPA, review of standardized test scores and/or placement tests, student application with essays, teacher feedback, and additional criteria.

Benefits:

- Earn transferable college credits
- College classes taught at FHS in 11th and 12th grade
- Ease the transition from high school to college
- Dedicated support staff to mentor/assist students
- Reduce financial burden (Reduced/Free college experience)
- Connection to other students through this unique cohort experience

Interesting Facts:

- Early college students are more likely to reach proficiency on state assessments than comparison students
- Early college students have better attendance, fewer discipline incidents, and a higher level of engagement in school than comparison students
- Early college students are significantly more likely to earn a college degree than comparison students

Additional Details:

- Students may walk and participate in all FHS senior year activities with their senior class (honors night, graduation, etc.)
- Students can participate in MCC activities and use MCC services (tutoring, math and writing labs, etc.)
- Students do not return to FHS campus in their 13th year – All classes are on MCC campus
- Students will participate in FREC Seminar and Cohort Meetings along with additional program requirements.



Access the FREC website at <https://www.flushingschools.org/domain/928> or contact Ms. Nicole Lord, Early College Director, at nicole.lord@flushingschools.org for more information.

DEEP PROGRAM

UNIVERSITY OF MICHIGAN FLINT: **DEEP PROGRAM** (Dual Enrollment Educational Partnership)

Flushing High School and Carman-Ainsworth High Schools are partnering with the University of Michigan-Flint to offer the Dual Enrollment Educational Partnership. The DEEP initiative allows motivated students to earn college credit by taking accredited courses taught by UM-Flint faculty on-site at our high schools. DEEP will do exactly what its name implies: deepen the students' knowledge and understanding of course material, while providing in-depth college courses that will prepare students for their university experience.

All DEEP programs are for 2023-2024 SENIOR students.

Applications are in the counseling office.

You must provide your own transportation if you enroll in the Medical Sciences program at Carman-Ainsworth, or the Senior Humanities program at UM-Flint campus.

DEEP Programs offered:

Medical Science Program (13 credits) 7:40-8:55am M&W 7:35-9:15am T&Th Hosted By: Carman-Ainsworth High School

Expectations are that students have completed Biology, Chemistry and Physics, (the third Science class may be taken concurrently with the DEEP classes), have a 3.0 GPA or greater, are currently enrolled in a mathematics course beyond Algebra II and have strong writing skills.

- **PHL 168** Philosophy of Bioethics –3 credits (Fall 2023)
- **BIO 104** Introduction to Human Biology –4 credits (Fall 2023)
- **HCR 206** Health Science Applications –2 credits (Winter 2024)
- **BIO 307** Topics in Human Anatomy –4 credits (Winter 2024)

Junior Humanities (12 credits) 7:40-8:55am M-TH Hosted By: Online

Expectations are that students have an overall GPA of 3.0+, the ability and motivation to undertake successfully the rigor of college-level coursework, and excellent attendance in high school courses.

- **COM 200** Introduction to Human Communications-3 Credits (Fall 2023)
- **HIS 114** 20th Century World History-3 Credits (Fall 2023)
- **ARH 112** History of Renaissance to Modern Art-3 Credits (Winter 2024)
- **PSY 100** Principles of Psychology-3 Credits (Winter 2024)

Senior Humanities (13 credits) 7:40-8:55am M-TH, 7:25-9:20 Friday(Lab) Hosted By: UM-Flint Campus

Expectations are that students have an overall GPA of 3.0+, the ability and motivation to undertake successfully the rigor of college-level coursework, and excellent attendance in high school courses.

- **ART 120** An Introduction to the Visual Arts-3 Credits (Fall 2023)
- **BIO 104** Introduction to Human Biology-4 Credits (Fall 2023)
- **COM 170** An Introduction to Digital Culture-3 Credits (Winter 2024)
- **PHL 101** Introduction to Philosophy-3 Credits (Winter 2024)

SRT

Student Resource Time (SRT) provides students with academic support twice a week (Tuesdays and Thursdays). On SRT days, we will have a modified schedule to include a 45 minute period of Student Resource Time during the school day. Students are assigned to a specific teacher and classroom for SRT. Each of these classes includes students from all four grades. Although students are assigned to a specific teacher and classroom, they have the opportunity to use the Student Resource Time as needed to support their academic progress. Students can obtain a pass from a different SRT Teacher, most likely one of their current teachers, to get extra support or tutoring, make-up a test, or work on a group project. SRT teachers are only able to provide 10 passes per day on a first come, first served basis. The SRT is not meant to replace extra help before or after school but is another opportunity for students to get extra help if needed. The SRT will also allow students to makeup tests during the school day without having to miss additional class time to make up the test. Students receive a Pass/Fail grade for the SRT class.

Tuesday & Thursday SRT Schedule:

- 1 st Hour – 8:00-8:48
- 2 nd Hour – 8:53-9:44
- 3 rd Hour – 9:49-10:37
- SRT – 10:42-11:27
- 4 th Hour – 11:32-1:02
 - A Lunch – 11:32-12:02
 - B Lunch – 12:02-12:32
 - C Lunch – 12:32-1:02
- 5th Hour – 1:07-1:55
- 6 th Hour – 2:00-2:48

Required Courses for Graduation

FIRST SEMESTER

SECOND SEMESTER

NINTH GRADE

English:	English 9	English:	English 9
Math:	Algebra I	Math:	Algebra I
Science:	Biology/Adv Biology	Science:	Biology/Adv Biology
Social Studies:	World History	Social Studies:	World History
Elective:	Health*	Elective:	Physical Education*
Elective:		Elective:	

TENTH GRADE

English:	English 10	English:	English 10
Social Studies:	U .S. History	Soc. Studies:	U.S. History
Math:	Geometry	Math:	Geometry
Science:	ISL	Science:	ISL
Elective:		Elective:	
Elective:		Elective:	

ELEVENTH GRADE

English:	English 11	English:	English 11
Social Studies:	Civics	Soc. Studies:	Economics
Math:	Algebra II	Math:	Algebra II
Science:	Chemistry/Adv Chem or Physics/Conc Physics	Science:	Chemistry/Adv Chem or Physics/Conc Physics
Elective:		Elective:	
Elective:		Elective:	

TWELFTH GRADE

English:	English 12	English:	English 12
Math 12:	Math or Math related class	Math 12:	Math or Math related class
Elective:	*Senior Seminar	Elective:	
Elective:		Elective:	
Elective:		Elective:	

***May be taken either semester**

NOTE: Two semesters of Visual, Performing, Applied Arts are required.

NOTE: Other courses may not be substituted for **required** classes.

NOTE: TWO CREDITS IN WORLD LANGUAGE ARE REQUIRED.

(These credits are to be obtained in the same language and it is recommended they are obtained in consecutive years.)

Courses that meet the Visual/Performing/Applied Arts:

<i>A Cappella Choir</i>	<i>Digital Photography</i>
<i>Accounting I, II</i>	<i>Drama I</i>
<i>Art I</i>	<i>Woodworking IV</i>
<i>Advanced CAD, Architecture CAD</i>	<i>Graphic Design</i>
<i>Advanced String Orchestra</i>	<i>Home Repair</i>
<i>Art II</i>	<i>Publications (Yearbook)</i>
<i>BMA I, II</i>	<i>Public Speaking</i>
<i>Computer Applications</i>	<i>Video Production I, II</i>
<i>CAD</i>	<i>Wind Ensemble</i>
<i>Concert Band</i>	<i>Woodworking I, II, III</i>
<i>Concert Choir I, II</i>	<i>CTE/GCI courses</i>
<i>Concert String Orchestra</i>	

Courses that meet the Senior Year Math Equivalent requirement:

<i>Accounting I</i>	<i>Accounting II</i>
<i>GCI Courses</i>	<i>CAD, Advanced CAD, Arch CAD, Adv. Arch.CAD</i>
<i>Woodworking II and III taken consecutively</i>	<i>Engineering Design I and II</i>
<i>Woodworking III and IV taken consecutively</i>	

GCI (Skill Center) classes will meet the Visual/Performing/Applied Arts Credit Requirement. GCI classes will meet the Senior Year Math Equivalent requirement.

***Students should make sure their senior year math course meets the requirements of the college they are considering attending.**