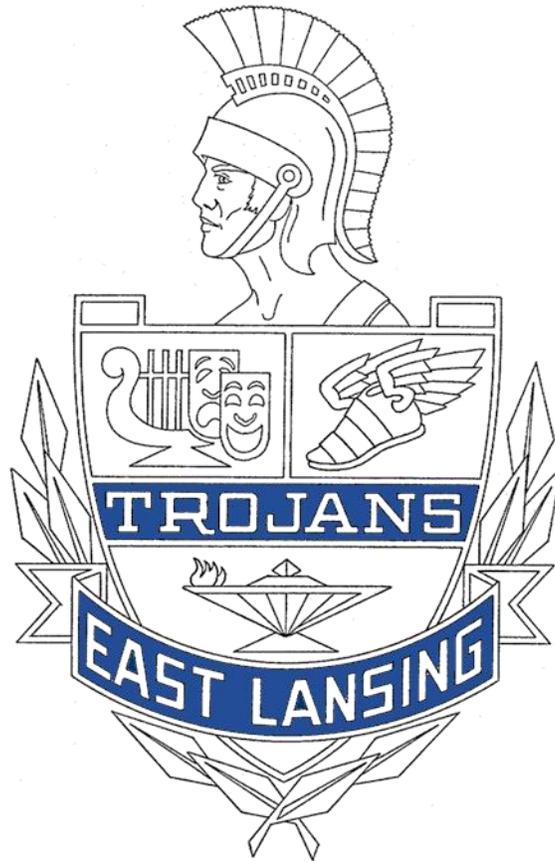


EAST LANSING HIGH SCHOOL



COURSE DESCRIPTION BOOKLET 2015-16

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SCHEDULING PROCEDURES

1. ELHS policy is to build a master schedule driven by student course requests. Once requests are entered, a master schedule is built. Then, the automated scheduler will run, giving students closest to graduation first priority so they are able to meet graduation requirements.
2. Students and parents are encouraged to discuss and plan their tentative schedule ahead of time. Parents should assure that their student's planned schedule reflects the scheduling policies and courses needed for completion of all graduation requirements.
3. Students will have a scheduling conference with their counselor during the second semester every year to register for all appropriate courses to meet graduation requirements.
4. Students who receive an 'E' in a course required for graduation are strongly encouraged to enroll in E2020 or take a VHS class to repeat the course. In addition, please note that non-completion of a year-long course may prevent a student from moving on to a higher-level course in that subject area.
5. Students may repeat a course for the purpose of improving any grade of 'D' or lower. Courses in which a student earns a 'C-' or better may NOT be retaken for an improved grade or as a pass/fail option. Students will NOT receive duplicate credit for repeating any course. When a student repeats a course, the higher grade will replace the lower grade in calculating the GPA, and credit will be awarded only for the higher grade.
6. Advanced Placement applications will be available from the teacher, curricular chair or through the high school's web page. Completed forms should be submitted by the deadline indicated.

The following may affect your final schedule:

- If a course is not requested by a sufficient number of students, that course may not be offered. In this case, a course will be chosen from the "alternate selections" listed on your course registration document.
- If you select two courses offered during the same period, you can only be scheduled into one. Priority will be given to a core class or graduation requirement.
- If you choose a course that has a prerequisite and the prerequisite has not been satisfied, your schedule will be adjusted accordingly.

Please complete the "alternate selections" section of your course registration document carefully. Note that if you do not complete this section on the schedule form, you will be placed in available courses.

SCHEDULE CHANGE POLICIES

1. Once the master schedule is finalized changes are extremely difficult, since teaching assignments are based on the number of students enrolled for each course. Choose your courses carefully and make sure you follow the directions for listing alternate courses. The drop/add process for the entire school year will occur June 1 – 5, 2015. Classes will not be added or dropped after this week unless there is an inappropriate placement of a student in a class or an extenuating circumstance. There will not be face-to-face meetings with counselors for drop/adds. Forms will be turned in to the Student Services office and counselors will make the appropriate changes during that week. The request must meet the criteria established on the Drop/Add form which can be found on the Student Services web page.
2. When you enroll in a full-year course, it is expected that you will remain in the course for the entire year. Scheduling for the entire school year is based on the information you enter on your course registration document. Therefore, you will not be permitted to drop a year-long course unless extenuating circumstances exist.

3. A schedule change may be initiated by a student for the following reasons only and will be made only if space permits as balancing sections is a priority:
 - a. You are in a class for which you have already received credit.
 - b. Your schedule is missing a class you need for graduation.
 - c. You don't have the prerequisites for a course on your schedule.
 - d. You failed a course with a teacher the previous year and have been assigned that teacher again.
 - e. 504 or IEP specifications.

EAST LANSING HIGH SCHOOL GRADUATION REQUIREMENTS

Graduation from East Lansing High School means that students have satisfactorily completed an approved course of study and have satisfactorily passed any examination and/or other requirements established by the school district.

1. Every student is expected to be a full-time student and attend regularly.
2. The total required credits for graduation is 22 credits in addition to a 1.8 grade point average.
3. Students transferring from another school will receive full-faced academic (Carnegie) credit value based on a mathematical formula. Certain transferred credit may be regarded as elective credit once officially matriculated at East Lansing High School.

PERSONAL CURRICULUM GRADUATION REQUIREMENT MODIFICATION

A personal curriculum (PC) option is available to modify the Michigan Merit Curriculum (MMC) requirements. State statute allows personal curriculum modification in order to:

- Go beyond the academic credit requirements by adding additional math, science, English Language Arts, or world language credits.
- Modify the mathematics requirement.
- Modify, if necessary, the credit requirements of a student with an Individualized Education Plan (IEP).
- Modify credit requirements for a student who transfers from out of state or from a nonpublic school and is unable to meet the MMC requirements.

It is the policy of ELHS to have all personal curriculum application processes completed prior to the scheduling of a student's senior year, or second term of the junior year.

EAST LANSING HIGH SCHOOL GRADUATION REQUIREMENTS

Mathematics		4 Credits
Algebra I Algebra II	Geometry At least one math course must be taken during the student's senior year.*	
English Language Arts		4 Credits
English I English II	English III 4th credit in English	
Science		3 Credits
Biology Chemistry OR Physics	Additional 1 credit of science **	
Social Studies		3 Credits
World Civilizations (includes Geography) US History (includes Geography)	Economics (0.5 credit) American Government (Civics) (0.5 credit)	
Physical Education & Health		1 Credit
Intro. to Physical Education (0.5 credit)	Health (0.5 credit)	
Visual, Performing, and Applied Arts		1 Credit
One credit hour must be taken in Visual, Performing and/or Applied Arts. ***		
Additional Electives		6 Credits
Options to satisfy this requirement are listed in the Course Description Book. Students should refer to their Educational Development Plan (EDP) in completing the balance of their requirements.		
Additional Requirements		
Online learning requirement (20 hours) as required by the Michigan Department of Education. This may be satisfied through grades 6-12 course content.		
Participation in the M-STEP during the student's junior year is required for graduation.		
A cumulative grade point average (GPA) of 1.8 is required for graduation.		
World Language (Class of 2016 and thereafter)		
All students are required to complete 2 years of the same World Language prior to graduation which will be included in the 6 elective credit requirements.		

Additional Math Information:

1. Probability and Statistics – Probability and Statistics is a significant component of the Michigan M-STEP (which is taken in March of the junior year). It is highly recommended that students include the Probability and Statistics content prior to that time by taking either:
2. Pre-AP Geometry (1.0 credit) and Pre-AP Algebra II (1.0 credit) or
3. AP Statistics (1.0 credit) or
4. Probability and Statistics (0.5 credit)
5. Algebra II – this requirement can be satisfied by taking either:
6. 1 year of Algebra II (1.0 credit)
7. 1 year of Pre-AP Algebra II (1.0 credit) originated
8. One full year (1.0 credit) of mathematics must be completed in senior year.
9. Senior math credit may be earned through a department approved formal career and technical education program or curriculum that has appropriate embedded mathematics content.
10. Completion of math requirements may result in more than four earned math credits.

Additional Science Information:

The M-STEP, taken in 11th grade, includes content in Earth Science, Biology, Chemistry, and Physics. The Science Department strongly recommends the additional science credit include courses that incorporate the content expectations that are assessed from each of the four disciplines listed above.

Visual, Performing, and Applied Arts:

0.5 credit in each of two different areas is acceptable.

Credit earned at the Middle School:

Students will receive high school credit toward graduation for successful completion of Algebra I, and up to one earned science elective credit. High school French I & II, Spanish I & II, credit will be determined by standardized world language assessment at the end of the 8th grade. Middle school student grades will not be calculated into high school GPA, but transcripts will reflect successful completion of the course. Credits earned at MMS will apply to the total number of credits required to graduate from ELHS (22).

Additional Credit Options:

Students may obtain credit through additional learning options such as ISHALL, CHAMP, Post-Secondary Enrollment, and online learning opportunities. Please see counselors for details about all credit options.

Special Education:

All students receiving special education services in Michigan must have an Individualized Education Program (IEP) that details the appropriate education plan outlining modifications, accommodations, and support for student success.

Please see an ELHS counselor if you have questions about any requirements.

ADDITIONAL PROGRAM OPTIONS

**Special Note - The student/family is responsible to provide full payment to ELPS for associated fees of a course that is dropped after the reimbursement date.
Applications available on the Student Services web site.

Post-Secondary Enrollment

Program Prerequisites: Application deadline date: June 1 for 1st and 2nd semester. Any changes to 2nd semester must be made prior to the start of 2nd semester.

- The request must align with student's EDP.
- Student's attendance must be compliant with the ELHS attendance policy.
- PLAN/PSAT/MME/EXPLORE scores must be aligned with this request.
- Student must be in good standing for graduation.
- The student will provide a grade report from the secondary institution to the registrar if credit for the course is to be added to the transcript.

Recent legislation has amended the Postsecondary Enrollment Options Act (PSEOA) (Public Act 160 of 1966) and the Career and Technical Preparation Act (Public Act 258 of 2000) to expand dual enrollment options for high school students in the State of Michigan. The language allows students to begin taking dual enrollment classes in 9th grade and to take up to 10 dual enrollment classes in grades 9-12 if:

1. The student has achieved an adequate test score according to Matrix tables provided by MBE.
2. The student must be enrolled in both the East Lansing School District and the postsecondary institution during the regular academic year and may take up to 10 college courses to count for high school and postsecondary credit:

Total number of eligible courses allowed per year by grade at the time of the first dual enrollment. (MCL 388.513(1)(d))				
Years at postsecondary	Begin taking courses as a 9th grader	Begin taking courses as a 10th grader	Begin taking courses as a 11th grader	Begin taking courses as a 12th grader
1st Year	2	2	4*	6
2nd Year	2	4	6*	-
3rd Year	2	4	-	-
4th Year	4	-	-	-
	10	10	10	6

**Pupils that first enroll in postsecondary courses in grade 11 may enroll in up to 6 courses during the 11th grade, with an overall limit of 10 courses under this act.*

3. The course at the post secondary institution **must be a core academic course, World Language, or computer science course**. Further, the course must not be offered by the district, or the Board of Education has determined that the course is not available to the student because of scheduling conflict beyond the student's control.
4. Credits from post-secondary institutions (such as Michigan State University and Lansing Community College) will be interpreted as follows:

College/University Semester Credits	ELHS Credit
0 – 1 credit course	.00
2 – 3 credit course	.50
4 – 5 credit course	1.0

The East Lansing School District will pay the lesser of the actual charge for tuition, mandatory course fees, materials fees, and registration fees - or - the state portion of the student's foundation allowance adjusted to the proportion of the school year the student is attending the post secondary institution.

Online Courses

Program Prerequisite: Application deadline date: June 1 for 1st and 2nd semester. Any changes to 2nd semester must be made prior to the start of 2nd semester.

Online courses offer a variety of subjects to high school students taught by instructors from around the country. Students must be self-motivated and able to participate online. Assignments, quizzes, tests, and projects vary from class to class. On-site enrollment will be provided by the virtual high school site coordinator. Course information for all virtual courses is available at: <https://micourses.org/>. Please choose the Statewide Catalog for courses students may take. A course percentage will be given by the VHS instructor and converted to a letter grade by the mentor. Once approved, all enrollment is handled through the Student Services office.

Additionally:

The request must align with student's EDP.

- Student must possess the prerequisite knowledge and skills to be successful in the online course.
- Student will be responsible for submitting Student Progress Report and Course Activity Scores Report to their counselor.
- In order for the cost of a student's VHS to be covered, the course must be taken as part of their six period schedule.
- Limited to Two (2) online courses as part of their ELHS schedule.

A **Seat Time Waiver (STW)** will be required for any student who exceeds two online courses in any term. An additional application is required for approval for eligibility as a STW student. The counselor will assist student and parent with the STW application process and must also be completed during the registration period.

NOTE: *The student/family is responsible to provide full payment to ELPS for associated fees of a course that is dropped after the reimbursement date. Classes will not be added or dropped after the first week unless there is an inappropriate placement of a student in a class or an extenuating circumstance.*

Capital Area Career Center

Program Prerequisites: Application deadline date: First semester of prior year set by CACC. See your counselor.

Programs offered by the Capital Area Career Center are competitive and require an application process for acceptance. The process for applying is outlined below.

- The Career Center presentation takes place at East Lansing High School in the fall of the student's sophomore year.
- After the presentation, interested students sign up to make a program visit in November. Student's wishing to apply to the Career Center are required to make this visit.
- Applications are accepted after the program visit through January. An application is required to be considered for a Career Center program.
- Students accepted in a program will be notified in the spring. If a student is accepted, his/her counselor will make the necessary adjustment to their schedule.
- Students attend the Career Center during their junior and possibly senior year.*

NOTE: *World Language requirement must be completed during 9th & 10th grade to be eligible for a Junior and Senior year CACC schedule.*

A CACC student can achieve high school and college credit. The student is also involved in work-based learning experiences that lead to apprenticeships, college scholarships and full and part-time employment.

Additional Prerequisites

- Student needs to meet enrollment requirements in reading, math, and writing necessary to achieve success in the program's curriculum
- Some programs will require additional application activities, and parent-student meetings.
- The request must align with the student EDP
- Cosmetology and off-campus programs require parents to provide the student's transportation
- Histo-technology requires biology, algebra and chemistry to be completed before 11th grade.
- All programs require students to be in good standing in their attendance regular and compliant.

* Returning to a program during the senior year is based on performance during the junior year and availability.

GATE Programs – CHAMP and ISHALL

ISHALL is designed for students in 7th, 8th, and 9th grades who have achieved 520 – Critical Reading on the SAT, or 21 – English, no lower than 22 – Critical Reading on the ACT AND who, in addition, score well on qualifying diagnostic essay that gauges their readiness to undertake the challenging work of the course. Two years of ISHALL coursework is equivalent to 4 credits of ELHS English credit and fulfills the MMC graduation requirements.

CHAMP is designed for students in 7th – 10th grades who: Score well on placement test taken online. Student will be eligible to take Placement test after the GATE Office has reviewed application and the student is assigned a MSU identification AND SAT minimum scores: Math 530 and Total (Math plus Critical Reading) 1010 OR ACT minimum scores: Math 21 and Composite 23. Year 1 CHAMP coursework transfers 2 credits for ELHS Algebra I & Algebra II. Year 2 of CHAMP coursework transfers 2 credits for ELHS Geometry & Pre-calculus. A senior math course is still required to fulfill the MMC graduation requirements.

Credit Recovery – E2020

Program Prerequisites: Application deadline

- Eligible to a student who has taken a course previously and has not earned credit.
- Students successfully completed an E2020 course will receive an S on their transcript and the failed grade is no longer calculated in their GPA.
- Students who are not on track to graduate, are eligible to apply for E2020.
- Available during 2 summer sessions for a partially refundable fee. See separate summer application.

Test Out Procedure

Students who demonstrate a competency level equivalent to or exceeding the standard of the required courses for graduation may request a test to proceed to the next course:

The student and/or student's parent/guardian must submit the request form to test out, available online under the Student Services web page. Return the form to the Student Services Office by the due date of the current school year for all subjects.

1. Study materials will be checked out to all students. A deposit check must be rendered at the time of check out.
2. To test out of a required course for graduation, a grade of 78% / C+ or better must be obtained on the test. Passing this test will grant any credit toward graduation.
3. To maintain the security of these tests, the curricular chair will review the test results with the student if requested, but the test will not be returned to the student.

4. A test out may only be attempted once per class.
5. The test out exam must be taken prior to the start of the course.

Applications are on-line and are due May 29, 2015 in the ELHS Student Services Office. Materials will be distributed the week after school is out for a \$70 per course deposit to be returned on the test date in August with returned materials.

Advanced Placement Class

Application deadline: As stated on application. Prerequisite skills are stated on application.

Advanced Placement courses prepare highly motivated students for college-level courses and may enable them to earn college credit by taking Advanced Placement exams.

Other Transfer Credits

Additional courses may be transferred to ELHS if an official transcript is submitted from an accredited high school, college, or university.

COURSE LISTING 2015-16

MATHEMATICS

- Y Algebra I
- Y Algebra II
- Y Pre-AP Algebra II
- Y Geometry
- Y Pre-AP Geometry
- Y Pre-Calculus
- Y AP Statistics*
- Y AP Calculus AB*
- Y AP Calculus BC*
- S Probability & Statistics
- S Math Lab II

ENGLISH

- Y English I
- Y Pre-AP English I
- Y English II
- Y Pre-AP English II
- Y English III
- Y Pre-AP English III
- S Senior Composition
- S Expository Writing
- S Creative Writing
- S Advanced Creative Writing
- S Contemporary Literature
- S Multicultural Literature
- Y AP Literature & Composition
- Y AP Language & Composition
- S Film as Literature
- Y Ceniad Workshop
- Y Reading Strategies

SCIENCE

- Y Biology
- Y Pre-AP Biology
- Y Pre-AP Environmental Science
- S Ecology
- S Anatomy & Physiology
- Y Human Biology
- S Introductory Medical Terminology
- Y Forensic Science
- Y Chemistry
- Y Pre-AP Chemistry
- Y Physics
- Y AP Physics 1*
- Y AP Physics 2*
- Y AP Biology*
- Y AP Chemistry*
- Y AP Environmental Science*

SOCIAL STUDIES

- Y US History: 1877 to present
- Y Pre-AP US History: 1877 to present
- Y World History
- Y AP World History*
- S Film as History (History Through Pop Culture)
- S Comparative World Religions
- Y AP US History*
- Y AP European History*
- S Psychology
- Y AP Psychology*
- S Anthropology/Sociology
- S Law: US Legal System and Legal Issues
- S Contemporary Studies: Current Foreign & Domestic Issues
- S American Government
- S AP US Government and Politics*
- S Economics
- S AP Microeconomics*
- S Military History: Studies in World Conflict
- S LINKS

VISUAL ARTS

- S Drawing I
- S Drawing II
- S Painting I
- S Watercolor
- S Sculpture
- S Fiber Arts
- S Jewelry & Art Metal I
- S Ceramics I
- S Ceramics II
- Y AP Studio Art*
- Y AP 3D Art*
- S Computer Graphic Design

PERFORMING ARTS

- Y Concert Band
- Y Symphonic/Marching Band
- S Class Piano I
- S Class Piano II
- S Jazz Ensemble
- Y Chamber Orchestra (Strings)
- Y Symphonic Orchestra (Strings)
- Y Symphonic Orchestra (Wind & Percussion)
- S Theater I
- S Advanced Theater
- Y/S Elsingers*
- S About Music
- Y AP Music Theory*
- S Music Technology I
- S Encore Strings*

WORLD LANGUAGE

- Y French I
- Y French II
- Y French III
- Y French IV
- Y AP French*
- Y German I
- Y German II
- Y German III
- Y German IV
- Y Spanish I
- Y Spanish II
- Y Spanish III
- Y Pre-AP Spanish IV
- Y AP Spanish*

BUSINESS

- S Accounting I
- S Exploring Business & Careers
- S Personal Finance
- S Marketing, Merchandise & Management
- S Technology Essentials
- S Professional Web Design

TECHNOLOGY

- S Intro to Woodworking
- S Technical Woodworking
- S Engineering Technology
- S Photographic Technology
- S Digital Media Photography
- S Drafting
- S Computer Aided Drafting

PHYSICAL EDUCATION

- S Physical Education
- S Basketball, Floor Hockey & Physical Activity
- S Mat Pilates, Stretch & Yoga
- S Strength & Conditioning
- S Lifetime Physical Fitness
- S Health

SPECIAL EDUCATION SERVICES

- Academic Support
- Math Basic Classroom
- Language Arts Workshop
- English Basic Classroom
- Personal and Family Management
- Social Competencies
- Vocational Skills
- Community Based Instruction

**Students scheduled in courses by their advocate*

SPECIAL APPLICATION COURSES

- Post-Secondary Enrollment
- Capital Area Career Center
- Online Courses

**See counselor for information. Application required*

- Y Full Year Course
- S Semester Course

*Students must follow established application or audition procedures for admission to these courses.

DISCLAIMER: Courses which do not have a minimum number of students enrolled may be canceled.

CAPITAL AREA CAREER CENTER (CACC)

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY

- Y Programming, Data Base & Web Site Development
- Y Culinary Arts & Hospitality

ENGINEERING/MANUFACTURING & INDUSTRIAL TECHNOLOGY

- Y Automotive Technology
- Y Construction Technology
- Y Engineering Design & Machine Technology
- Y Precision Machine Technology
- Y Welding Technology

ARTS & COMMUNICATION

- Y New Media
- Y Students in Entertainment Technology

HUMAN SERVICES

- Y Cosmetology
- Y Career Start
- Y Law Enforcement

HEALTH SCIENCES

- Y Capital Area Healthcare Partnership
- Y Health Occupations
- Y Medical Technology Careers

SPECIAL COURSES

MICHIGAN STATE UNIVERSITY

- Y CHAMP – Advanced Math Program
- S ISHALL – Advanced English Program

DUAL ENROLLMENT

- S Through Michigan Colleges and Universities

ONLINE COURSES

- S/Y State Course Catalog – <https://micourses.org>

DEPARTMENT OF MATHEMATICS

FLOW CHART FOR MATHEMATICS CURRICULUM
Four credits required for graduation.

FRESHMAN YEAR: 9th Grade	SOPHOMORE YEAR: 10th Grade	JUNIOR YEAR: 11th Grade	SENIOR YEAR: 12th Grade	ELECTIVES: EACH ARE ONE SEMESTER
Algebra 1	Geometry	ALGEBRA 2 w/ or w/o Math Lab	One Semester: OF PROB. AND STATS	<ul style="list-style-type: none"> • Accounting • Personal Finance • Drafting • AP Physics- per approval
			One Semester: OF ELECTIVE	
Pre-AP Geometry	Pre-AP Algebra 2	PRE-CALCULUS Calc AB/Prob & Stats		
Geometry	Algebra 2	Pre- Calculus	AP CALC AB	
		AP STATS	AP STATS	
Pre-AP Geometry	Pre-AP Algebra 2	Pre- Calculus	AP CALC AB	
		AP Stats	Math Electives	
		AP CALC AB	AP CALC BC	

Addendums:

- Students who took 8th grade within East Lansing Public Schools district, will be placed correctly in their math course for their freshman year. If a student is new to the district for his/her freshman year, it is recommended the student takes a placement test before being put into a math course.
- ***It is the policy of ELHS to have all personal curriculum application processes completed prior to the start of any academic term.**

Michigan Requirements

4 credits in mathematics

ALGEBRA I

Grade 9:

This course covers the Common Core State Standards of Algebra I as it relates to expressions, equations and inequalities, and connections to functions and modeling.

ALGEBRA II [year]

Grades 10-12. Prerequisite: Geometry. Recommendation: C grade should be obtained in Algebra I for a successful study of the course. If not, please sign up for Math Lab concurrently.

This course is a continuation of Algebra I and includes a study of the operations with real numbers, equations, inequalities and applications, graphs and functions, polynomials, rational expressions, irrational and complex numbers, quadratic equations and functions, systems of equations, synthetic division, remainder and factor theorems, second-degree curves, exponential and logarithmic functions, arithmetic and geometric series, and an introduction to the trigonometric functions, equations, and vectors. Covers State Common Core Standards.

PRE-ADVANCED PLACEMENT ALGEBRA II [year]

Grades 10 & 11. Prerequisite: Pre-AP Geometry.

This course includes a more intensive study of the topics in the Algebra II course and a study of topics in trigonometric identities, inverses, and equations, trigonometric form of complex numbers, matrices and basic operations, inverses, determinants, and an introduction to probability and statistics. Covers State Common Core Standards.

GEOMETRY [year]

Grades 9-11. Prerequisite: successful completion of Algebra I.

This course will include a study of the basic properties of plane figures. They include lines, planes, angles, polygons, transformations, proof, congruence and applications, size and similarity transformations, circles, areas and perimeters, surface area and volume. Covers State Common Core Standards.

PRE-ADVANCED PLACEMENT GEOMETRY [year]

Grades 9. Prerequisites: Algebra I.

This course includes the topics studied in the geometry course and a further study of congruence and applications, similarity and size transformations, circles and triangles and an introduction to matrices and transformations. Analytic geometry is introduced and additional problems are studied in area and volumes. Applications are used throughout the course. Covers State Common Core Standards.

PRE-CALCULUS [year]

Grades 11 & 12. Prerequisites: passing grade or better in Algebra II. Recommendation: C or better in Algebra II should be obtained in Algebra II for successful completion of this course if not take Probability & Statistics.

This course offers an in-depth study of content areas needed for the study of calculus. Topics included are coordinate geometry, polynomials, inequalities and applications, functions, exponential and logarithmic functions, the trigonometric functions, identities and equations, trigonometric inverses, graphing, trigonometric formulas, polar coordinates and complex numbers, conic sections, vectors and determinants, sequences and series, permutations and combinations, introductory statistics, and an introduction to calculus.

ADVANCED PLACEMENT STATISTICS [year]

Grades 10-12. Prerequisite: C+ or better in Algebra II or successful completion of pre-calculus. Application form is available from the teacher, curricular chair or on-line. Must be completed and submitted to A P teacher or curricular chair by deadline date.

This is a course that develops basic properties of probability with its extensions into use and interpretation of statistical information. Topics studied include descriptive statistics, probability, probability distributions, testing claims, estimation, correlation and regression equations, analysis of variance, non-parametric statistics and a statistics project.

ADVANCED PLACEMENT CALCULUS AB [year]

Grades 11 & 12. Prerequisite: Application form is available from the teacher, curricular chair or on-line. Must be completed and submitted to A P teacher or curricular chair by deadline date.

The content of Calculus AB is to be taught over a full academic year of high school. It covers what is typically taught in 1 semester of college calculus. These topics include rate of change of a function, differentiation, applications of differentiation, integration, applications of the definite integral, transcendental functions, method of integration, and an introduction to differential equations.

ADVANCED PLACEMENT CALCULUS BC [year]

Grades 11 & 12. Prerequisite: Application form is available from the teacher, curricular chair or on-line. Must be completed and submitted to A P teacher or curricular chair by deadline date.

The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that of granted for Calculus AB. It covers what is typically taught in 2 semesters of college calculus. These topics include rate of change of a function, differentiation, applications of differentiation, integration, applications of the definite integral, transcendental functions, methods of integration, polar coordinates, vectors and parametric equations, infinite series, power series, and differential equations. Both the BC and AB courses are intended to be equally challenging and demanding. Common topics require a similar depth of understanding. The BC test will also give an AB subscore on the common topics with the AB test.

PROBABILITY & STATISTICS [semester]

Grades 11-12 after Algebra I is completed.

Units of study include univariate and bivariate data distributions, sample surveys and experiments. Data exploration and study design, probability calculations models and their application, statistical inference model assessment. Content covers State Common Core Standards.

MATH LAB II [semester]

Prerequisite: Teacher or counselor recommendation. Math Lab II concurrently enrolled in Algebra II.

This course is designed for students who are having difficulties in their concurrent math class and need some additional help. Work in the course focuses on tutorial for the concurrent math course; remediation of skills; test taking strategies for the ACT, and SAT; projects using teamwork and interdisciplinary skills; and technology skills for problem solving, depending on the needs of individual students.

DEPARTMENT OF ENGLISH

FLOW CHART FOR ENGLISH CURRICULUM Four credits required for graduation

Grade	Typical Sequence	Test Out of English I Sequence	Test Out of English II Sequence	Test Out of English III Sequence
9	English I or Pre-AP English I ...plus electives	English II or Pre-AP English II ...plus electives	English I or Pre-AP English I ...plus electives	English I or Pre-AP English I ...plus electives
10	English II or Pre-AP English II ...plus electives	English III or Pre-AP English III ...plus electives	English III or Pre-AP English III ...plus electives	English II or Pre-AP English II ...plus electives
11	English III or Pre-AP English III ...plus electives	AP Language or AP Literature ...plus electives	AP Language or AP Literature ...plus electives	AP Language or AP Literature ...plus electives
12	Expository Writing or Senior Composition or AP Language or AP Literature ...plus electives	AP Language or AP Literature ...plus electives	AP Language or AP Literature ...plus electives	AP Language or AP Literature ...plus electives

SENIOR ENGLISH CREDIT

All East Lansing High School students are required to take ONE of the following classes for part of their 4th English credit:

- Expository Writing (*B average (or better) in English III class, or Senior Composition.*)
- Senior Composition
- AP Language
- AP Literature

COLLEGE ESSAYS

All senior level fall elective courses will provide an opportunity for students to work on their college applications and college essays. Teachers will provide guidance and feedback.

TESTING OUT OPTIONS

Option One: Take the English I Test Out in August prior to entering 9th grade.

Option Two: Take the English II Test Out in August prior to entering 10th grade.

Option Three: Take the English III Test Out in August prior to entering 11th grade.

Option Four: *This option is open only to transfer students who would not have had the opportunity to attempt the appropriate Test Out.* A student may accelerate from English I to English II or English II to English III at the end of the first semester. The student will be responsible for doing some independent study to cover the course work missed in the two semesters of the courses accelerated out of and into. Candidacy for this option is contingent on the recommendation of the student's English teacher, the approval of the department chair, and space availability in the English class moved into.

ENGLISH I [year]

Grade 9.

This course provides instruction in both classic and contemporary literature. The literary selections are presented in thematic units and have been selected from works that present the wide diversity of cultural views and values in society. Writing instruction is provided by the classroom teacher where students will use a computer to compose, edit, and publish writings completed there. Skill development includes the following areas: literature studies, writing skills, language use, grammar, group and individual projects, and oral presentations. Content covers Career and College Ready Common Core State Standards.

PRE-ADVANCED PLACEMENT ENGLISH I [year]

Grade 9.

This class covers most of the content in the regular English I class but includes additional rigor and curricular content to align to the AP Language and AP Literature classes. This course provides instruction in both classic and contemporary literature. The literary selections are presented in thematic units and have been selected from works that present the wide diversity of cultural views and values in society. Writing instruction is provided by the classroom teacher where students will use a computer to compose, edit, and publish writings completed there. Skill development includes the following areas: literature studies, writing skills, language use, grammar, group and individual projects, and oral presentations. Content covers Career and College Ready Common Core State Standards.

ENGLISH II [year]

Grade 10. Prerequisite: English I or Pre-AP English I

This course continues the development of the appreciation and understanding of literature by providing selected classic and contemporary novels, plays, short stories, and poems for study. The course is organized in thematic units to provide interest, continuity and relevance. This course continues skill development in literature studies, writing skills, language use, grammar, multi-media use, individual and group projects, and oral presentations. Content covers Career and College Ready Common Core State Standards.

PRE-ADVANCED PLACEMENT ENGLISH II [year]

Grade 10. Prerequisite: English I.

This class covers most of the content in the regular English II class but includes additional rigor and curricular content to align to the AP Language and AP Literature classes. This course continues the development of the appreciation and understanding of literature by providing selected classic and contemporary novels, plays, short stories, and poems for study. The course is organized in thematic units to provide interest, continuity and relevance. This course continues skill development in literature studies, writing skills, language use, grammar, multi-media use, individual and group projects, and oral presentations. Content covers Career and College Ready Common Core State Standards.

ENGLISH III [year]

Grade 11. Prerequisite: English II or Pre-AP English II.

This course surveys important American authors, their literary periods, and their writings, covering the period 1620 to the present. Memorizations, oral presentations, and grammar are also studied. English III furthers the development of literary analysis, writing skills, and language use. Content covers Career and College Ready Common Core State Standards.

PRE-ADVANCED PLACEMENT ENGLISH III [year]

Grade 11. Prerequisite: English II.

This class covers most of the content in the regular English III class but includes additional rigor and curricular content to align to the AP Language and AP Literature classes. This course surveys important American authors, their literary periods, and their writings, covering the period 1620 to the present. Memorizations, oral presentations, and grammar are also studied. English III furthers the development of literary analysis, writing skills, and language use. Content covers Career and College Ready Common Core State Standards.

SENIOR COMPOSITION I [semester]

*Grade 12. Prerequisite: English III class and recommendation from English III teacher required. Required**

This course is an intermediate writing course for seniors who need or wish to have practical writing instruction, and those who intend to go to the college but need additional writing practice before attending Expository Writing. After completing Senior Composition with a B or better and an instructor recommendation, students may enroll on Expository Writing. Basic grammar skills and vocabulary enrichment are parts of the course. Content covers Career and College Ready Common Core State Standards.

EXPOSITORY WRITING [semester]

Grade 12. Prerequisites: B average (or better) in English III class, or Senior Composition.

This is an advanced course intended to prepare students for college writing. Writing assignments include practice in descriptive, narrative, argumentative, and expository forms, with emphasis on a research paper. Students learn the process of outlining, rough draft, final draft, and post-evaluation revision. Grammar skills and vocabulary enrichment are integral parts of this course. Content covers Career and College Ready Common Core State Standards.

CREATIVE WRITING [semester]

Grades 10-12. Prerequisite: English I. Students may enroll in multiple semesters for additional English credit. Elective.

This course is a creative writing workshop which will consist of some lecture and discussion but mostly writing. Students will be expected to write both in class and out of class. Students will write several original short stories and many original poems. Students will be expected to read a variety of published short stories and poems. Keeping a journal is an important part of this class. Students will also produce short story and poetry books for classroom consumption. Students choosing this class should have an interest in reading, writing creatively, should not be intimidated about reading their own writing in public, and should possess above average writing skills. Content covers Career and College Ready Common Core State Standards.

ADVANCED CREATIVE WRITING [semester]

Grades 10-12. Prerequisite: Creative Writing and Creative Writing teacher approval. Students may enroll in multiple semesters for additional English credit. Elective

This course is designed for small group of serious writers who want to get their writing published. Students will write poetry, short stories, creative non-fiction and perhaps novels and submit their work to potential publication sources. Students must be able to work independently.

CONTEMPORARY LITERATURE [semester]

Grade 11-12. Prerequisite: English III. Students may enroll in multiple semesters for additional English credit.

This college prep course is a study of contemporary literature from 1950's to the present, including poetry, short fiction, drama, and film, with an in-depth study of at least one decade. One semester concentrates on the 1950's, 1960's and the 1970's and another semester concentrates on the 1980's, 1990's and the 2000's. The class stresses student participation and involvement in selection of books and films, discussion, projects, and written work. This class is available for up to one credit. Content covers Career and College Ready Common Core State Standards.

MULTICULTURAL LITERATURE [semester]

Grades 11 & 12. Prerequisite: English III.

This course will explore international cultures through literature: folklore, novels, films, plays and poems. In addition to reading and varied writing assignments, students will be expected to interact with East Lansing's international community through interviews and by attending cultural events that emphasize the art, dance, and music of the cultures we are studying. Each student will be expected to specialize by choosing one culture's literature for extended reading and in-depth study. Class study will include, but not be limited to, the study of Russian, Latino/Hispanic, Scandinavian, African and Far Eastern cultural materials. Content covers Career and College Ready Common Core State Standards.

ADVANCED PLACEMENT LITERATURE and COMPOSITION [year]

Grade 11-12. Prerequisites: Three years of English, Completion of English III with B+ average; AP teacher and department chairperson approval. Applications available in Student Services office. Elective.

This course prepares highly motivated students for college-level English courses and it may enable them to earn college credit by taking the AP English Literature & Composition exam. After a brief look at some of the roots of Western literary tradition, the course focuses on the study of literature by genre: drama, poetry, fiction, and non-fiction. In the spring, students do a college-level research project and present their findings in a symposium with other students who have worked on related topics. Content covers Career and College Ready Common Core State Standards.

ADVANCED PLACEMENT LANGUAGE and COMPOSITION [year]

Grade 11-12. Prerequisites: Three years of English, completion of English III with B+ average; AP teacher and department chairperson approval. Applications available in Student Services office. Elective.

This course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

FILM AS LITERATURE [semester]

Grades 11-12. Prerequisite: English II.

Film as Literature is a course designed to give students an opportunity to assess the quality of film in the same manner as they would other literature. Students will critically examine story, director, techniques, talent, theme and symbolism. Issues related to the field of film making and viewing will be discussed both verbally and in writing. Films representing such genres as film noir, romantic comedy, suspense, and action adventure will be shown and analyzed. Students may have limited experience in making a short film from an original screenplay. Serious students of film **ONLY** should enroll since numerous written reviews and analyses will be required.

CENIAD WORKSHOP [year]

Grades 9-12. Prerequisites: none

This hands-on publication class prepares the school yearbook. Students will be accepted onto the Ceniad staff as either an editorial staff member or a photographer. Editorial staff members will learn the techniques of interviewing, writing copy and captions, designing layouts and use of the Macintosh computer for page preparation. Photographers will shoot the photos used in the yearbook. Some photography experience is desirable but not necessary for photographers. All staff members will be involved in the sale of advertising and the marketing of the book. Time outside class is required.

READING STRATEGIES [semester]

Grade 9. Prerequisites: Required support in English I and other core area classes for pre-identified students.

This course is designed to improve students' overall academic reading performance in high school. Special emphasis is placed on increasing reading comprehension with textbooks and fiction. The course also focuses on note-taking and other study strategies. Students will be required to demonstrate the application of these skills in their other course work and will have recurring reading skills assessments to monitor progress.

4th Year Required English Credit:***Required* -***

Students NOT enrolled in AP Language or AP Literature must take one semester of Expository Writing or one semester of Senior Composition.

DEPARTMENT OF SCIENCE

FLOW CHART FOR SCIENCE CURRICULUM

Three credits required for graduation.

Grade	Required Course	Elective <i>Listed by grade at which the course may first be selected.</i>	<u>By application & approval</u>
9	PreAP Biology, or Biology	PreAP Environmental Science	
10	PreAP Chemistry, Chemistry, Physics, or (BOTH AP Physics 1 in 10th and AP Physics 2 in 11 th)	All of the above Chemistry PreAP Chemistry Physics Anatomy and Physiology Human Biology Introductory Medical Terminology	AP Physics 1
11		All of the above Forensic Science Ecology	AP Biology AP Physics 2 AP Chemistry AP Environmental Science
12		All of the above	All of the above

Science requirement:

Students need 3 credits of science to graduate.

- One credit must be Biology.
- One credit must be Chemistry, PreAP Chemistry, Physics, or BOTH AP Physics 1 and AP Physics 2.
- The third may be any additional science credit.

For college admissions...

... it is strongly recommended that students take at least 3 years of science at the high school and at least one semester from each area of Biology, Environmental Science, Chemistry, and Physics. Please speak with your science teacher or guidance counselor to determine the best plan for you.

BIOLOGY [year]

Grades 9-12. Prerequisite: none.

This is an entry-level course for science at the high school. Successful completion of Biology and/or Earth-Physical Science is the necessary prerequisite for all other science courses. It is a laboratory-based course that emphasizes unifying themes of modern biological science: evolution, diversity and unity, genetic continuity, organisms and environment, structure and function, regulation, science as inquiry, the history of biological concepts, and science and society. Students are challenged to analyze data, explore complex issues, integrate concepts and think scientifically.

PRE-ADVANCED PLACEMENT BIOLOGY [year]

Grades 9-12. Prerequisite: none.

This course follows the curriculum of Biology (described above) with additional rigor and curriculum components to align to AP Biology.

PRE-ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE [year]

Grades 9-12. Prerequisite: none.

The goal of the PreAP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

CHEMISTRY [year]

Grades 10-12. Prerequisite: One year of science and successful completion of Algebra I.

Topics will be presented using practical methods and thematic units centered on chemistry related, technological issues now confronting our society. This course is an introduction to the fundamental concepts and calculations of chemistry. First semester introduces the atomic and molecular structure of the substances that make up the universe, the basic principles of measurement, and the basic calculations used in chemistry. In second semester, students use foundations from the first semester to explore topics including solutions, acid-base chemistry, kinetics, oxidation-reduction chemistry, and gas laws. For each topic, students explore the changes matter undergoes and learn why these changes take place. This course meets the State of Michigan High School Content Expectations for Chemistry.

PRE-ADVANCED PLACEMENT CHEMISTRY [year]

Grades 10-12. Prerequisite: One year of science and successful completion of Algebra I.

Topics will be presented using theoretical and mathematical methods to introduce fundamental concepts of chemistry. First semester introduces the atomic and molecular structure of the substances that make up the universe, the basic principles of measurement, and the basic calculations used in chemistry. In second semester, students use foundations from the first semester to explore topics including solutions, acid-base chemistry, kinetics, oxidation-reduction chemistry, and gas laws. For each topic, students explore the changes matter undergoes and learn why these changes take place. This course meets the State of Michigan High School Content Expectations for Chemistry.

PHYSICS [year]

Grades 10-12. Recommended: One year of science, Algebra I with C grade or better for each semester, and Geometry with C grade or better for each semester. A significant portion of the course involves mathematical problem solving skills. Math aptitude is strongly correlated to success in physics. A test to demonstrate math ability, for those students below the recommendation, will be given. Elective.

The physics course includes mainly topics in classical physics. It is a solid introduction to Physics and both conceptual understanding and problem solving are stressed. Motion and Mechanics are covered in the first semester, and Wave Motion, Electricity and Magnetism are covered the second semester. This is the recommended course for students desiring only one year of physics.

ANATOMY & PHYSIOLOGY [semester]

Grades 10 - 12. Prerequisites: Biology.

This course is an advanced laboratory course introducing basic human anatomy and physiology with focus on directional terms and planes, myology and osteology. It involves a minimum of two dissections: a fetal pig and sheep's brain.

HUMAN BIOLOGY [year]

Grades 10 - 12. Prerequisites: Biology.

This course is an advanced elective laboratory course exploring the relationship between structures and functions of the human body. Students will learn anatomical terminology, anatomical identification, and physiology of the body systems. Students will have an opportunity to probe topics such as homeostasis and physiological disorders. Students will learn to use a sphygmomanometer, design and conduct experiments to test physiological processes and present a clinical case regarding a fictitious patient. Laboratory activities, including dissections of a sheep eye, sheep brain, and a fetal pig, will reinforce the concepts presented in class. This course does not cover all of the HSCE requirements for Biology.

INTRODUCTORY MEDICAL TERMINOLOGY [semester]

Grades 10-12. Prerequisites: Biology.

This elective introductory class will provide students with the framework needed to understand medical terminology, laboratory tests and reports. This course will focus on the word origins, prefixes, and suffixes of medical terms. At the conclusion of the course students will be able to read sample medical reports, use appropriate medical abbreviations, explain common clinical procedures, and explain disease (pathological) conditions. This course does not cover all of the HSCE requirements for Biology.

FORENSIC SCIENCE [year]

Grades 11-12. Prerequisites: Biology and Chemistry or Physics.

This course will explore science as it applies to the law. Topics will include crime scene investigation, fingerprinting, chemical analysis, toxicology, analysis of hair and fibers, serology/DNA, etc. Lectures, labs, activities, and projects will be utilized as the primary learning tools.

ECOLOGY [semester]

Grades 11 - 12. Prerequisite: Biology

This course includes the study of the ecological interactions that determine the distribution and abundance of organisms. Students will learn about the interactions among organisms and their environment. The environment section covers both physical properties, abiotic factors, climate, and geology, and biotic factors, of aquatic and terrestrial habitats. Topics include identification, collection techniques, and evolutionary principles, limiting factors, population growth, regulation, community structure and evolution.

ADVANCED PLACEMENT PHYSICS 1 [year]

Grades 10-12. Minimum recommendation: B or better in Geometry and concurrently taking Algebra II. Application forms available on-line. Elective.

AP Physics 1 explores such topics as Newtonian mechanics; work, energy, and power; mechanical waves and sound; and simple circuits. The course seeks to be representative of topics covered in the first semester of similar college courses, as determined by periodic surveys. It is based on core scientific principles, theories, and processes that provide a broad way of thinking about the physical world. Students will be required to use models to solve problems; apply mathematics appropriately; collect, analyze, and evaluate data to answer a question; and apply scientific theories to account for observations. Knowledge of algebra and basic trigonometry is necessary for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. This course is a prerequisite for AP Physics 2 (or on-line AP Physics courses).

ADVANCED PLACEMENT PHYSICS 2 [year]

Grades 11-12. Minimum recommendation: AP Physics 1 and have taken or currently taking precalculus. Application forms available on-line. Elective.

AP Physics 2 explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields and electromagnetism; physical and geometric optics, and quantum, atomic, and nuclear physics. The course seeks to be representative of topics covered in the second semester of similar college courses, as determined by periodic surveys. It is based on core scientific principles, theories, and processes that provide a broad way of thinking about the physical world. Students will be required to use models to solve problems; apply mathematics appropriately; collect, analyze, and evaluate data to answer a question; and apply scientific theories to account for observations. Knowledge of algebra II and trigonometry is necessary for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as PV diagrams.

ADVANCED PLACEMENT BIOLOGY [year]

Grades 11 & 12 Prerequisite: Biology and a completed AP Application. Chemistry is recommended.

This AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during the first year. Topics will include an in-depth study of evolution, the structure and function relationship, essential life processes and the interactions among biological systems. The course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. No dissection will be included.

ADVANCED PLACEMENT CHEMISTRY [year]

Grades 11 and 12. Prerequisites: B or better in Chemistry and a completed AP Application (forms available on-line).

Strongly Recommended: B or better in Algebra II OR concurrent enrollment in Algebra II with Math Department recommendation. B or better in Physics.

This course addresses objectives similar to the combination of a first year college chemistry lecture course and a laboratory course. The purpose is to prepare the student for successful completion of the AP Chemistry test. Topics will include an in-depth study of structure of matter, nomenclature, kinetic-molecular theory, equilibrium, kinetics, thermodynamics, and acid base chemistry. The overarching goal is for students to develop a strong fundamental understanding while being exposed to some advanced topics. To this end, there is an emphasis on lab experience. The student will perform and design experiments, thus developing critical thinking and problem solving skills. Students should expect to spend an average of 6 or more hours per week in lecture or lab. In addition, students typically spend as much as 10 hours outside of class time. Students taking this course are expected to pay for and take the AP Chemistry Exam in the spring.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE [year]

Grades 11 and 12. Prerequisites: Completion of Biology. Recommendation of chemistry or physics. A completed AP Application (forms available on-line). Strongly recommended: Completion of Algebra I.

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course, environmental problems have a cultural and social context, and human survival depends on developing practices that will achieve sustainable systems

DEPARTMENT OF SOCIAL STUDIES

FLOW CHART FOR SOCIAL STUDIES CURRICULUM

Three credits required for graduation.

Three credits required for college admission.

Grade Level	Required Course	Electives
9	U S History, Pre-AP U.S. History, or *AP U.S. History <small>*instructor approval required for 9th graders</small>	None
10	World History, or AP World History (Students who take Pre-AP U.S. History in 9 th grade and plan to take AP U.S. History should consider taking AP US History in 10 th grade and World History or AP World History in 11 th grade)	None
11	None	Film as History (History Through Popular Culture) Anthropology/Sociology Comparative World Religions Law: U S Legal System & Issues Psychology AP Psychology AP U.S. History AP European History Military History Contemporary Studies (Current Foreign and Domestic Issues)
12	American Government, or AP Government Economics, or AP Microeconomics	All of the above

U.S. HISTORY: 1877 TO THE PRESENT [year]

Prerequisite: none.

This is a survey course which is intended to build on previous course work in United States History. Emphasis is placed on the study of the Civil War, the emergence of the United States as a world power, and its foreign policy, economic development and growth, as well as political, social, and cultural developments of the nation through the twentieth century. Students are provided with the opportunity to understand and appreciate democratic values, beliefs and responsibilities. Social studies skills including, but not limited to, reading, writing, organization, analysis, note taking, discussion and critical thinking are applied within this chronological survey. Social Studies strands of history, geography, economics, and government are themes throughout the course.

PRE-ADVANCED PLACEMENT U.S. HISTORY: 1877 TO THE PRESENT [year]

Prerequisite: None

This class covers the content in the U.S. History course described above, but includes additional rigor and curricular content aligned to the AP U.S. History class.

WORLD HISTORY [year]

Prerequisite: U.S. History

This course introduces the student to the major cultures of the world and builds on previous course work in Western and Eastern Hemisphere studies at lower grade levels. Emphasis in 10th grade is placed on the impact of religion, geography, politics, and economics on the development of these cultures. This survey course includes an overview of Eastern and Western Europe, the Far East, North Africa and the Middle East, and other areas in relation to these locations. These topics are studied within a geographic and chronological framework, which is intended to help the student understand the interrelationships between current cultures as well as the historical events which have resulted from this cultural diffusion.

ADVANCED PLACEMENT WORLD HISTORY [year]

Prerequisite: U.S. History

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Periodization, explicitly discussed, forms an organizing principle to address change and continuity throughout the course. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study.

FILM AS HISTORY (History Through Popular Culture) [semester]

Grades 11 & 12. Prerequisites: U.S. History and World Civilizations

This course will cover selected topics in history through the eyes of the entertainment industry and popular culture. Events spanning U.S. and World History are viewed and evaluated as a combination of fact, fiction, prejudices, and propaganda. Artistic portrayals and actual historical events are often compared.

COMPARATIVE WORLD RELIGIONS [semester]

Grades 11 & 12. Prerequisites: U.S. History and World Civilizations

This class is a comparative study of the world's major religions/philosophies including (but not limited to) Christianity, Islam, Buddhism, Hinduism, and Judaism. Content may include: historical development, geographic scope, general beliefs and the practices, and the effects of these religions on history, society, and politics.

ADVANCED PLACEMENT U.S. HISTORY [year]

Prerequisite: Pre-AP U.S. (recommended, not required)

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students are encouraged to take the national AP exam at the end of the course for potential college waivers and credits.

ADVANCED PLACEMENT EUROPEAN HISTORY [year]

Prerequisite: World History

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students are encouraged to take the national AP exam at the end of the course for potential college waivers and credits.

PSYCHOLOGY [semester]

Grades 11 & 12. Prerequisite: None

This is an introductory psychology course. The goal is to provide a broad, general overview of psychology, which is the scientific study of behavior and mental processes. Areas of in-depth study include, but are not limited to: memory, consciousness, learning, neuroscience, conformity, psychological disorders and therapy, attitudes, persuasion, and motivation.

ADVANCED PLACEMENT PSYCHOLOGY [year]

Prerequisite: Psychology (recommended, not required)

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

ANTHROPOLOGY/SOCIOLOGY [semester]

Grades 11 - 12. Prerequisite: World History

This course offers students an introduction to the principles and processes of physical/cultural anthropology and sociology. It is the study of the origins of humanity, its biological and cultural evolution, and the adaptations within societies that have made humankind what it is in today's global world. This class may also study sociological theory and methodology.

LAW: U S LEGAL SYSTEM AND LEGAL ISSUES [semester]

Grades 11 & 12. Prerequisite: U.S. History

This course in practical law is intended for the student with an interest in the United States justice system. Topics may be covered through lecture/discussion, research, guest speakers, field trips, film, and role-playing. Topics may include the following: Introduction to Law and the Legal System, Criminal Law, Juvenile Justice, Torts, Family Law, and Constitutional Liberties related to Due Process.

MILITARY HISTORY: STUDIES IN WORLD CONFLICT [semester]

Grades 11 & 12. Prerequisites: U.S. History and World History

This course is an overview of significant military trends and developments in world history from ancient through modern times. Weapons and technology, strategy and tactics, decisive battles, and significant leaders may be studied. Other topics may include the theoretical principles of warfare as well as the development of military ethics. Course work may include scholarly readings and required discussion participation. Recommended for students who enjoyed and did well in World History.

CONTEMPORARY STUDIES: CURRENT FOREIGN & DOMESTIC ISSUES [semester]

Grades 11 & 12. Prerequisites: U.S. History and World History

This class is intended to allow students to understand the historical background of contemporary global issues and events. Students will analyze sources from multiple perspectives found in national and global media sources and debate the issues surrounding the causes and potential impact of current events.

AMERICAN GOVERNMENT [semester]

Grades 11 & 12. Prerequisite: U.S. History.

This course is a survey of the structure and functions of the U. S. federal government. Students will study the foundations of the U.S. Government system, including: the Constitution and Bill of Rights, the Political Party system, and current political issues. The legislative, executive and judicial branches will be covered in depth, including: qualifications, duties and changing roles and responsibilities. Core Democratic Values will be referenced. Students will also be required to participate in a community-based observation and/or community service requirement (to complete the state standard of civic involvement).

ADVANCED PLACEMENT US GOVERNMENT AND POLITICS [semester]

Grades 11 & 12. Prerequisite: U.S. History.

Recommended: This course should be scheduled back-to-back with AP Microeconomics.

A well-designed AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

ECONOMICS [semester]

Grades 11 & 12. Prerequisites: U.S. History and World History

This course is a survey of the classical economics and Keynesian economics. Micro and Macroeconomics are studied using supply and demand models in conjunction with how and why households, business firms, and units of government make choices. Emphasis may be placed on fiscal and monetary policies, price systems, and international trade.

ADVANCED PLACEMENT MICROECONOMICS [semester]

Grades 11 & 12. Prerequisites: U.S. History and World History

Recommended: This course should be scheduled back-to-back with AP US Government.

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

LINKS [semester]

Grades 11 & 12. Prerequisites: Application to LINKS teacher and departmental approval.

The student enrolled in LINKS will be a mentor, role model, and friend to a student with an Autism Spectrum Disorder (ASD). In this role, the LINK student will be with their assigned student with ASD a minimum of one class period per day. In addition to being a mentor, role model, and friend, they will assist the student with ASD in such things as appropriate classroom behavior, organization of assignments and supplies, and focusing on what the teacher is saying. This is a hybrid course (online and face to face participation).

DEPARTMENT OF VISUAL AND PERFORMING ARTS

VISUAL ARTS:

FLOW CHART FOR VISUAL ARTS CURRICULUM

One credit required for graduation.

Grade	Beginning <i>Listed in first grade level the course may be elected.</i>		Intermediate/Advanced <i>Listed in first grade level the course may be elected.</i>	
	2D	3D	2D	3D
9 -12	Draw I Painting I Watercolor	Sculpture Fiber Arts Ceramics I	Computer Graphic Design	Ceramics II
10 -12		Jewelry I	Draw II	
11-12			A P Studio Art (11-12)	AP 3DStudio Art (11-12)

DRAWING I [semester]

Grades 9-12. Prerequisite: none.

Develops drawing skills that enable one to reproduce what one sees or imagines on a two-dimensional surface. Pencil will be emphasized. Other medias may include: charcoal, pen and ink, brush and ink, and colored pencil. Emphasis will be placed on learning technical skills in drawing and will include the principles of composition and elements of design.

DRAWING II [semester]

Grades 9-12. Prerequisite: *Drawing I.*

This course provides students with further opportunity to develop drawing skills. Composition, color, drawing techniques, and experimentation with various drawing styles and medias will be included. Drawing II is recommended for the student who plans to take Studio Art.

PAINTING I [semester]

Grades 9-12. Prerequisite: none. Recommendation: *Drawing I.*

Students are introduced to painting through art history as a means of communication and self-expression. Painting styles of pre-modern/modern art periods of western civilization will be taught. Color theory, application, composition, and uniqueness of design will be emphasized. Various painting techniques will be developed. Tempera and acrylic paint will be used.

WATERCOLOR [semester]

Grades 9-12. Prerequisite: none. Recommendation: *Drawing I.*

Basic watercolor techniques are taught in this course. Color theory, perspective as used in landscape, still-life, as well as figure studies will be included. A survey of watercolor painting and techniques provide students with additional understanding of the medium.

SCULPTURE [semester]

Grades 9-12. Prerequisite: none.

The process of creating 3-dimensional art, both relief and in the round, realistic and abstract, is taught. A variety of construction methods are used. Materials include clay, copper foil, plaster, structolite, paper-maché, wood, wire and other items. The history of sculpture in art will be included.

FIBER ARTS [semester]

Grades 9-12. Prerequisite: none.

An introductory course using skills and techniques expressed through fibers: weaving, macramé, stitchery, coiling, batik, soft sculpture, fabric printing, etc. The history of fibers in art will be included.

JEWELRY AND ART METAL I [semester]

Grades 10-12. Prerequisite: none.

This course introduces students to the skills, processes and embellishing techniques used in designing and fabricating jewelry as well as small functional and sculptural pieces in metal. Techniques of forging, casting and fabrication will also be included.

CERAMICS I [semester]

Grades 9-12. Prerequisite: none.

This course teaches the hand-building techniques used for pinch, coil, slab, and drape methods of construction, as well as sculpting ceramic projects. Introduction to various glaze techniques will also be included. Throwing pots on the wheel will be introduced.

CERAMICS II [semester]

Grades 9-12. Prerequisite: Ceramics I.

This course is an extension of Ceramics I. It deals more in-depth with hand building and basic wheel techniques with emphasis on creativity and individual expression. Advanced decoration techniques include graffito, staining, wax resist, incising, and glaze making will be taught.

ADVANCED PLACEMENT STUDIO ART [year]

Grades 11 & 12. Prerequisites: Needs a B or better in one drawing and one painting course. Portfolio may be requested. Application form is available from the teacher, curricular chair or on-line.

Students will explore different styles and techniques using a variety of 2-dimensional medias. Some three-dimensional work will be included 2nd semester. This class is for highly motivated students who wish to participate in an accelerated art program in drawing, painting, and design. The student will be expected to create a 12-piece portfolio, at the completion of the first semester, suitable for college entrance. The second semester of the class will focus on the student concentration area in which they will devote considerable time, effort, and thought to an investigation of a specific visual idea. Students are encouraged to take part in an A. P. Studio Art performance-based exam in May.

AP 3 DIMENSIONAL STUDIO THREE ART [semester]

Grades 11 & 12. Prerequisites: three, 3D media classes.

The first semester of the 3-D Studio Art class focuses on development of the breadth section of the portfolio. Each AP portfolio requires the student to demonstrate artistic knowledge and competence in a range of conceptual approaches. The students will explore different art concepts and techniques using a variety of 3-D media, with an emphasis on the principles and elements of design. The second semester of the class will focus on the student concentration area in which they will devote considerable time, effort, and thought to an investigation of a specific visual idea. Students are expected to take part in the 3D A. P. Studio Art performance-based exam in May.

COMPUTER GRAPHIC DESIGN [semester]

Grades 10-12. Prerequisites: A computer course and Drawing I.

This course uses both the manual and the computer approach in graphic design. Computer software and multi-media technology will be used to create graphic designs, digitized images, and advertisements that emulate today's magazine, newspaper, and TV advertising. In today's market, the vast majority of the commercial art is done using computer technology. Logos, commercial designs, digitized images, and advertisements will be provided.

PERFORMING ARTS:

CONCERT BAND [year]

Grades 9-12. Recommended: Previous experience on a traditional band instrument. Students may enroll in multiple semesters for additional credit.

Concert Band is offered to all students with previous experience on a traditional band instrument. All students enrolled in Symphonic Band will audition for placement with the high school band director. Continued emphasis is given to the development of musicianship and basic instrumental skills through a large repertoire of appropriate level band literature. Concepts include: tone quality, group and individual intonation, expressing appropriate style for various time periods, advanced articulations and fluid technique, music theory, and music history. Students enrolled in the Concert Band are eligible to participate in ELHS Trojan Marching Band, Jazz Band, and all events sponsored by the Michigan School Band and Orchestra Association. All special events, rehearsals, and/or performances during non-school hours are essential and attendance at these events is included in the grading process. Participation in such activities is an essential extension of the course requirements. Students are expected to be productive members of this ensemble for the entire year. Only in an emergency situation and with band director approval will students be permitted to only take one semester.

SYMPHONIC/MARCHING BAND [year]

Grades 9-12. Prerequisite: band director approval. Students may enroll in multiple semesters for additional credit.

The Symphonic Band is East Lansing's advanced ensemble for students playing wind and percussion instruments. Membership is by audition only and student must have significant experience on a traditional band instrument. Continued emphasis is given to the development of musicianship and basic instrumental skills through a large repertoire of advanced level band literature. Concepts include: tone quality, group and individual intonation, expressing appropriate style for various time periods, advanced articulations and fluid technique, music theory, and music history. Students enrolled in the Symphonic Band are eligible to participate in ELHS Trojan Marching Band, Jazz Band, and all events sponsored by the Michigan School Band and Orchestra Association. Additionally, students may audition to be a member of the winds and percussion section in the Symphonic Orchestra. All special events, rehearsals, and/or performances during non-school hours are essential and attendance at these events is included in the grading process. Participation in such activities is an essential extension of the course requirements. Students are expected to be productive members of this ensemble for the entire year. Only in an emergency situation and with band director approval will students be permitted to only take one semester.

CLASS PIANO I [semester]

Grades 9-12. Prerequisite: none.

This course is designed for students with little or no piano experience. It allows the opportunity for students to learn the basic keyboard skills needed to be able to play music of their choice. It also provides the student with some basic music theory and an introduction to composers of piano music and their literature.

CLASS PIANO II [semester]

Grades 9-12. Prerequisite: Class Piano I or piano lessons.

This course is designed for the student who is past the beginning piano stage. Piano skills are improved and performance levels raised. Additional music theory is taught along with the piano music including some basic techniques for music composition. This course is open, but not limited, to the student who has successfully completed Class Piano I.

JAZZ ENSEMBLE [semester]

Grades 9-12. Prerequisites: Must be concurrently enrolled in Concert or Symphonic Band with the exception of guitarists, bassists, and pianists. Audition or approval of jazz band director. Students may enroll in multiple semesters for additional credit.

Jazz Ensemble introduces the student to the world of jazz through performance in class as well as outside of the school day. Jazz techniques and improvisation techniques are skill areas taught in conjunction with the music. While the class focus is performance, the class also offers students a look into the history of jazz through the study of jazz composers and performers.

CHAMBER ORCHESTRA [STRINGS ONLY] [year]

Grade 9 & 10. Prerequisite: Previous private lessons and/or class lessons on either violin, viola, cello, or bass. Students may enroll in multiple semesters for additional credit.

This class is designed to train the intermediate string player in proper performance and rehearsal techniques and to nurture their potential through the rehearsal and performance of quality string orchestra literature appropriate to the level of their development. It is also designed to prepare the musician for performance at a more advanced level. Musical, historical and theoretical concepts are discussed and applied appropriately to every piece of music. Class work includes theory, shifting and position techniques, interpretation, style, rhythm and bow technique. Chamber Orchestra combines with Symphonic Orchestra for all performances, trips, partnerships, MSBOA festivals, and other workshops. This orchestra is for freshmen and sophomore string students. **One credit per year.**

SYMPHONIC ORCHESTRA [STRINGS ONLY] [year]

Grades 10-12. Prerequisites: Auditions only for instructor. Previous private lessons and/or class lessons on either violin, viola, cello or bass. Students may enroll in multiple semesters for additional credit.

This class is designed to develop the potential of the instrumental musician through rehearsal and performance of quality string and symphony orchestra literature appropriate to the level of the development. It is also designed to prepare the musician for performance at the highest level. Musical, historical and theoretical concepts are discussed and applied appropriately to every piece of music. This class will also provide a full orchestra experience with the addition of the Symphonic Winds and Percussion students. The combined Chamber and Symphonic Orchestras perform several public televised concerts throughout the school year, are involved in guest artist workshops, and university partnerships. Students may take educational trips when planned, and are eligible to perform in MSBOA festivals. **One credit per year.**

SYMPHONIC WINDS AND PERCUSSION [year]

Grades 9-12. Prerequisites: Auditions only for band and orchestra instructors. Previous private lessons and/or class lessons. Students may enroll in multiple semesters for additional English credit. Students may enroll in multiple semesters for additional credit.

This class is designed to develop the potential of the instrumental musician through rehearsal and performance of quality symphony orchestra literature appropriate to the level of that development. It is also designed to prepare the musician for performance at the highest level. Musical, historical and theoretical concepts are discussed and applied appropriately to every piece of music. This class will also provide a full orchestra experience with the combination of the symphonic orchestra students. The Symphonic Orchestras perform several public and televised concerts throughout the school year, are involved in guest artist workshops, and university partnerships. Students may take educational trips when planned, and are eligible to perform in MSBOA festivals. **One-half credit per year.**

THEATER I (Introduction to Acting) [semester]

Grades 9-12. Prerequisite: none.

Experience the joy and exhilaration of feeling self-confident when you speak in front of a class. Theater students use monologues and scenes to develop skills that will help them to succeed in life as well as theater. Join in the fun of theater games as well as the rush of performance. All classes have at least two evening performances and will perform several times for classes during the school day.

ADVANCED THEATER (Acting) [semester]

Grades 9-12. Prerequisite: Theater I grade of C or better or teacher approval. Students may enroll in multiple semesters for additional credit.

Theater II is designed for the serious acting student. Emphasis will be on performance as well as script interpretation and theater history. Students will work alongside adults in the community through the Wharton Center Docent Program as well as performing for special programs both in and outside of the school.

CONCERT CHOIR [1 or 2 semesters]

Grades 9-10. Prerequisite: none. Students may enroll in multiple semesters for additional credit.

Concert Choir is a performance-oriented group that is open to students who wish to perform diverse, exciting, and demanding musical literature including major works with orchestra. Course emphasis is placed on musicianship and related performance skills. A short audition is required to check voice ranges.

ELSINGERS [year]

Grades 11 & 12. Prerequisite: Concert Choir. Students may enroll in multiple semesters for additional credit.

ELSINGERS is traditionally one of Michigan's finest high school vocal ensembles. Emphasis is placed on performance and musical literature of the highest musical caliber. Membership is available by audition only to all students of exceptional musical ability who are motivated to achieve the highest levels of vocal performance.

ABOUT MUSIC [semester]

Grades 9-12. Prerequisite: none.

About Music is a non-performance oriented class for those who wish to know more about music as an art and how it relates to our everyday lives. Emphasis will be placed on acquiring active or analytical listening skills. Music of a wide range of styles from 1200 AD to present will be covered including jazz, rock, and art music.

MUSIC TECHNOLOGY I [semester]

Grades 9-12. Prerequisite: None.

Music Technology I is an introduction to the world of electronic music. Students will learn to operate computer software and MIDI keyboards to create music, sample sounds and sequence sounds together. Students will also receive an overview of electronic music from the 1940s through the present.

ADVANCED PLACEMENT MUSIC THEORY [year]

PREREQUISITE: Students in AP Music Theory must have at least one year of high school music and must be prepared to study the language of music. A letter of recommendation from a private music instructor may also count as a prerequisite.

Students in AP Music will be introduced to the elements of music theory and composition, and will learn how these elements are used in music. The emphasis will be on rules of theory and composition, ear training, sight singing, analysis, and keyboard skills. The course is designed both for students who desire to prepare for music as a career as well as those who desire it for personal enrichment. While the main emphasis is placed on music of the Common Practice Period (1600-1900), music of other stylistic periods will also be studied. The course integrates melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course. The student's ability to read and write musical notation is fundamental to such a course. It is also assumed that the student has acquired (or is acquiring) at least basic performance skills in voice or on an instrument. Students will be prepared for, and encouraged to take the AP Music Theory Exam in May.

ENCORE STRINGS [Year]

Grades: 9-12 Prerequisites: Must be enrolled in Chamber or Symphonic Orchestra. Audition required for admission. Students may enroll in multiple semesters for additional credit.

Encore Strings is an audition only, advanced placement chamber ensemble. The ensemble is limited to twenty-five members. This class is designed to provide a professional chamber orchestra experience for the students. During the year, the students will learn all types of literature necessary to play concerts, festivals, celebrations, and gigs. The music will include the following styles: baroque, classical, romantic, contemporary, jazz, pop and rock. The ensemble will perform at MSBOA festivals, and program concerts. The class will meet from October to May. The class will meet two zero hours and one evening during the week.

DEPARTMENT OF WORLD LANGUAGES

Three credits strongly recommended for college admission.

GERMAN I [year]

Grades 9-12

A *full-year* course for students who are starting in German. The focus is on developing skills in reading, writing, listening, speaking, and cultural literacy in the target language. This involves a great deal of active conversation and participation. The course is geared toward students who would like to move on to level two. This is not an exploratory course. Successful completion of this course will result in one high school credit and will satisfy the 1st year of the 2-year world language high school graduation requirement. Sample topics include basic greetings and introductions, leisure activities, and personal descriptions. Various authentic resources are used such as movies, music, and other media. Grammatical structures will also be explored to achieve communicative goals.

GERMAN II [year]

Grades 10-12

A *full-year* course for those who have successfully completed German I. Students will continue to develop skills in reading, writing, listening, speaking, and cultural literacy in the target language. The course is geared toward students who would like to move on to level three and/or satisfy their two-year world language high school graduation requirement. This is not an exploratory course; Successful completion of this course will result in one high school credit and will satisfy the 2nd year of the 2-year world language high school graduation requirement. Sample topics include travel and leisure activities, daily routines, health and healthcare, and narration of past and future events. Various authentic resources are used such as movies, music, and other media. Grammatical structures will continue to be explored to achieve more advanced communicative goals.

GERMAN III [year]

Grade 11-12

Prerequisite: The student will have received a C or better in German II. This intermediate German level class is designed to improve and broaden communication ability in written and spoken German. Increased emphasis is placed on the practice of reading, speaking and understanding German. Additional grammar concepts, and vocabulary building activities facilitate understanding of varied reading and listening materials. Major literary and historical themes are studied, as well as, short stories, poems, plays, songs, and magazine and newspaper articles.

GERMAN IV [year]

Grade 12

Prerequisite: Completion of German III with a C or better. This advanced German level course is designed to meet the needs of those students, who want to continue learning German to become fluent and proficient in the language. Students learn sophisticated grammar points and vocabulary words that will help them engage in classroom discussions and essay writing. Reading, speaking and listening comprehension are stressed, as well as, an in depth study of German history, art, geography and culture

SPANISH I [year]

Grades 9-12

A *full-year* course for students who are starting in Spanish. The focus is on developing skills in reading, writing, listening, speaking, and cultural literacy in the target language. This involves a great deal of active conversation and participation. The course is geared toward students who would like to move on to level two. This is not an exploratory course. Successful completion of this course will result in one high school credit and will satisfy the 1st year of the 2-year world language high school graduation requirement. Sample topics include basic greetings and introductions, leisure activities, and personal descriptions. Various authentic resources are used such as movies, music, and other media. Grammatical structures will also be explored to achieve communicative goals.

SPANISH II [year]

Grades 9-12

A *full-year* course for those who have successfully completed Spanish I. Students will continue to develop skills in reading, writing, listening, speaking, and cultural literacy in the target language. The course is geared toward students who would like to move on to level three and/or satisfy their two-year world language high school graduation requirement. This is not an exploratory course; Successful completion of this course will result in one high school credit and will satisfy the 2nd year of the 2-year world language high school graduation requirement. Sample topics include travel and leisure activities, daily routines, health and healthcare, and narration of past and future events. Various authentic resources are used such as movies, music, and other media. Grammatical structures will continue to be explored to achieve more advanced communicative goals.

SPANISH III [year]

Grades 9-12.

Prerequisite: Completion of Spanish II with a C or better. First and foremost students will be able to use a second language for communication. Listening and speaking are primary communicative goals in modern language learning. These skills are used for the purpose of socializing, providing and obtaining information, expressing personal feelings and opinions. Second, students will also improve their reading of authentic material and writing skills in order to augment their speaking skills. Introduce weekly weather presentations. Trips abroad are planned bi-annually.

PRE-ADVANCED PLACEMENT SPANISH IV [year]

Grades 10 & 12.

Prerequisite: Completion of Spanish III with a C or better. This course emphasizes active communication. It is taught entirely in Spanish and the students are expected to speak Spanish during class, both with the teacher and with other students. The course content seeks to develop 1) the ability to understand spoken Spanish in a variety of contexts; 2) a Spanish vocabulary sufficiently advanced for reading newspaper and magazine articles, literary texts, and other nontechnical writings without dependence on a dictionary; and 3) the ability to express ideas coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken Spanish. Students will learn and use a wide variety of idioms. Materials include audio and video recordings, films, newspapers, and magazines. Extensive training in writing will be emphasized. Advanced Spanish grammar is a major component of this course. Continue weekly weather report presentations. Trips abroad are planned bi-annually.

ADVANCED PLACEMENT SPANISH [year]

Grades 11 & 12.

Prerequisite: Completion of Spanish IV with a C or better. The AP Spanish Language course will help prepare students to demonstrate their level of Spanish proficiency across three communicative modes: interpersonal (interactive communication), interpretive (receptive communication) and presentational (productive communication) and the five goal areas outlined in the College Board curriculum. This course is meant to be comparable to the fifth and sixth semester college and university courses that focus on speaking and writing in the target language at an advanced level. Those who enroll in the course will be taking the AP Spanish Language exam, administered in May. Continue weekly weather presentations. Trips abroad are planned bi-annually.

FRENCH I [year]

Grades 9-12

A *full-year* course for students who are starting in French. The focus is on developing skills in reading, writing, listening, speaking, and cultural literacy in the target language. This involves a great deal of active conversation and participation. The course is geared toward students who would like to move on to level two. This is not an exploratory course. Successful completion of this course will result in one high school credit and will satisfy the 1st year of the 2-year world language high school graduation requirement. Sample topics include basic greetings and introductions, leisure activities, and personal descriptions. Various authentic resources are used such as movies, music, and other media. Grammatical structures will also be explored to achieve communicative goals.

FRENCH II [year]

Grades 9-12

A *full-year* course for those who have successfully completed French I. Students will continue to develop skills in reading, writing, listening, speaking, and cultural literacy in the target language. The course is geared toward students who would like to move on to level three and/or satisfy their two-year world language high school graduation requirement. This is not an exploratory course; Successful completion of this course will result in one high school credit and will satisfy the 2nd year of the 2-year world language high school graduation requirement. Sample topics include travel and leisure activities, daily routines, health and healthcare, and narration of past and future events. Various authentic resources are used such as movies, music, and other media. Grammatical structures will continue to be explored to achieve more advanced communicative goals.

FRENCH III [year]

Grades 9-12

This course is designed for students who have successfully passed French II with a grade of C or better. French III is designed to improve communication ability in both written and spoken French. Additional grammar concepts, phonetics, and vocabulary building experiences facilitate the understanding of a variety of reading and listening exercises. There is increased emphasis placed on listening comprehension, grammar, reading, and speaking. Original French literature is introduced, and students also follow current events in France through on-line newspapers and other web sites.

PRE-ADVANCED PLACEMENT FRENCH IV [year]

Grades 10-12.

The student will have received a C or better in French III. French Pre-AP continues areas already addressed in French III, but at a more difficult level. Advanced grammar and emphasis on communicative fluency is emphasized. Current events in the Francophone world will be followed through on-line newspapers and other web sites. French IV students will also study history related to the French monarchy through the French Revolution. The Pre-AP course introduces students to AP style activities at the fourth year level, and provides a rigorous curriculum designed to support transition into the AP French course.

ADVANCED PLACEMENT FRENCH [year]

Grades 11-12

Prerequisites: Four years of French finishing with at least a C in French IV. The student will fill out an application and will be told in the spring of the year preceding the course whether he or she has been accepted. The AP French Language course will help prepare students to demonstrate their level of Spanish proficiency across three communicative modes: interpersonal (interactive communication), interpretive (receptive communication) and presentational (productive communication) and the five goal areas outlined in the College Board curriculum. This course is meant to be comparable to the fifth and sixth semester college and university courses that focus on speaking and writing in the target language at an advanced level, using only authentic French materials. The curriculum connects with the 6 AP themes of Contemporary Life, Personal and Public Identities, Global Challenges, Science and Technology, Family and Community, and Beauty and Esthetics.

DEPARTMENT OF APPLIED TECHNOLOGY

One credit required for graduation.

COMPUTER BUSINESS CLASSES:

ACCOUNTING I [semester]

Grades 10-12. Prerequisite: none.

In this course, students study the theory of double-entry accounting and apply it by recording in general journals, posting to general and subsidiary ledgers, and preparing financial statements. Students work through fiscal periods for service businesses. Students also learn how to use spreadsheets for business situations. Other work includes problem solving using the Automated Accounting software program, managing a checking account, and accounting for payroll and petty cash.

EXPLORING BUSINESS AND CAREERS [semester]

Grades 9-11. Prerequisite: none.

The main purpose of this course is to provide students with the opportunity to learn about and perform tasks related to various business and other careers. Some general topics about the business environment are included. Emphasis will be on how to start a business, ethics, international business, marketing and record keeping. There will be opportunities for real-world applications through projects, guest speakers, a job shadow experience and mock interviews. In addition, technology will be utilized in the classroom.

PERSONAL FINANCE [semester]

Grades 11 & 12. Prerequisite: none.

This course provides the student with the tools necessary to better understand and adapt to the financial world into which they will enter. Topics covered include investment choices, employee pay and benefits, budgets and financial records, banking, taxes, insurance, and credit. Problem solving and decision-making techniques are stressed. Personal financial management is emphasized in this course, but the business perspective for the topics is also presented. Computer activities including Internet use, guest speakers/field trips, and projects are integrated throughout the semester.

BUSINESS LAW [semester]

Grades 10-12. Prerequisite: none.

This course introduces the student to business law fundamentals such as *contracts, labor relations, consumer rights, unions*, and other legal concepts. The basics of court procedures and civil remedies will be covered as well as legal topics useful to students in their personal lives. Activities include discussion, current events topics, and guest speakers from the field.

MARKETING, MERCHANDISING AND MANAGEMENT [semester]

Grades 11 & 12. Prerequisite: none.

Through the school store setting and the classroom, this course provides training in retailing and merchandising. Course content will include communications, human relations, management, merchandising, sales and employability skills. Students will apply skills in display advertising, personal sales techniques, inventory procedures and retail management as well as working with people, and money-handling procedures in the school store setting. Research, problem solving, and decision-making techniques are integrated throughout the semester.

TECHNOLOGY ESSENTIALS [semester]

Grades 9-12. Prerequisite: none.

This course is designed to expose the student to 21st century technology essentials required for success as a life-long learner. Units of study include the various programs in Microsoft Office Suite maximizing student's computer efficiency.

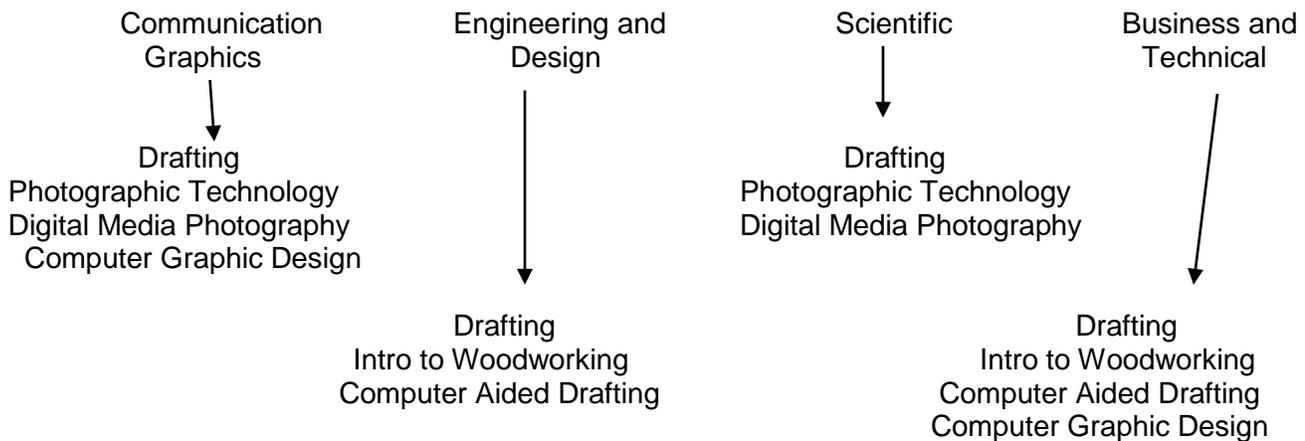
PROFESSIONAL WEB DESIGN [semester]

Grades 9-12. Prerequisites: none.

This course is designed to enable students in their pursuit of creating and maintaining professional web sites. Students will learn to use Macromedia Suite MX with Dreamweaver, Fireworks, and Flash. Focus will be on the first two and students will create links, buttons, sounds, pictures, tabs and backgrounds. Students will be creating and/or updating web sites for local professionals and businesses in an ethical manner. Emphasis will be on constructing unique sites that will be easy to use and have strong marketing appeal. Lastly, students will be familiarized with the vocabulary necessary to discuss their work with webmasters and others in the industry.

TECHNOLOGY CLASSES:

Technology Education Career Path Flow Chart



INTRODUCTION TO WOODWORKING [semester]

Grades 9-12. Prerequisites: none.

This course introduces students to current woodworking techniques. Students will be acclimated to various natural and man-made materials and basic techniques using the problem-solving approach. Applied math and science principles are stressed throughout this course. Content will include units on lab safety, hand and power tool operation; computer aided machining (CAM), finishing and fasteners, manufacturing methods, and career awareness. Grades are assessed by in class assignments, participation.

TECHNICAL WOODWORKING [semester]

Grades 9-12. Prerequisite: Introduction to Woodworking or Senior.

This course provides the student the opportunity to work independently to design and develop individual plan in small furniture or home accessories. Emphasis will be on project planning, furniture style, design techniques, material identification and considerations, and construction. Advanced skills will be explored on all equipment and units that will be covered: safety, machine set-up and operation, pattern, shape and design, lamination. This course will be project-oriented and students will be encouraged in developing individual designs using current industrial techniques. Grades assessed by lab activities, participation, quizzes.

ENGINEERING TECHNOLOGY [semester]

Grades 10-12. Prerequisite: Drafting, Introduction to Woodworking or Senior.

Engineering Technology is a critical thinking course designed for the college bound/technically-oriented student. Strategic reasoning activities are designed for future engineers, scientists, material specialists and technicians. Lab activities will include advanced assignments in computer aided design (CAD), Computer aided machining (CAM), Materials and processes, Aerodynamics and flight, Transportation, Advanced robotics, Structures, Hydraulics, Energy and power. Grades assessed by lab activities, participation.

PHOTOGRAPHIC TECHNOLOGY [semester]

Grades 10-12. Prerequisite: None.

Students in this class will experience beginning and advanced camera and darkroom techniques, along with experiences using the tools and equipment of current technology to present visual images. Black and white, color, commercial applications, photo-journalism, portrait production, special effects, and advanced darkroom techniques will be used to gain a better comprehension of visual communication techniques in today's society. Grades assessed by in class assignments, participation.

DIGITAL MEDIA PHOTOGRAPHY [semester]

Grades 10-12. Prerequisite: Any one of the following: Computer Design, Drafting, Drawing I, Photographic Technology or Senior.

An innovative course designed for the students who have interest in digital photography, 2D and 3D digital graphics, design and animation as possible career path. The course will cover the use and operations of digital (SLR) type cameras, digital camcorder, drawing tablets and advanced software. Activities in this course will center on elements in design, software applications, digital photographic systems, historical perspectives and social impacts. Class assignments include: composition, special effect, superimposing, portrait photography, cartooning, vehicle graphics and many more. Grades assessed by lab activities, participation. An excellent attendance is recommended for success in this class.

DRAFTING [semester]

Grades 9-12. Prerequisite: none. Meets.

The language of engineers is explored through a series of assignments that provide the student with experiences on precisely representing ideas and plans on paper. Single-view, multi-view and 3-D technical drawings are addressed. Use of tools and equipment of a "drafter", along with the drawing, duplicating and interpreting blueprints are covered. Precise measuring, planning, use of the metric/decimal system of measurement, current trends and techniques of problem-solving in a technological society will also be covered. Math principles are incorporated and stress through out the course. Instruction will include manual drafting techniques as foundations for next course (CAD) computer aided design. Grades are assessed by assignments done in class, participation.

COMPUTER AIDED DRAFTING (SolidWorks) [semester]

Grades 9-12. Prerequisite: Drafting. Not offered every year.

This is a computer-oriented course essential for the student exploring engineering or a technical career. The latest cad software and techniques will be used to represent objects both in 2D and 3D. Content to be covered: fundamentals cad software, shape description, dimensioning, applied geometry, architectural floor plans, solid surface modeling. The primary software program used in this course will be SolidWorks 2D and 3D. Grades are assessed by in class assignments and participation.

DEPARTMENT OF PHYSICAL EDUCATION

One credit required for graduation.

PHYSICAL EDUCATION [semester]

Grades 9 - 12. This course is required for graduation.

This introductory physical education class teaches the student the how, what and why of physical education and physical activity. A variety of exercise programs are introduced; each is designed to fill the specific needs of the students. Some emphasis is placed on testing for self-assessment in many areas of fitness. The selection of activities either corresponds to the concepts being taught or serves a recreational and leisure time purpose appropriate for coeducational activity.

BASKETBALL/FLOOR HOCKEY AND PHYSICAL ACTIVITIES [semester]

Grades 9 - 12. Recommended: None

This is an elective that focuses on the concepts of team and individual sports. Included are basketball, floor hockey, football, soccer, team handball, tennis, badminton, and volleyball. The class also involves running, swimming, and a variety of other methodologies to obtain and maintain fitness.

MAT PILATES, STRETCH, YOGA & POWER YOGA [semester]

Grades 9 – 12. . Recommended: None

This class is taught as a group fitness class. The Pilates discipline primarily focuses on the core muscles that improves posture, abdominal and lower back strength. Hip joint range of motion is increased, hamstrings are lengthened, and overall flexibility improves. Pilates is unique because it focuses on the smaller muscles of the body, stretch, yoga and power yoga are taught as group fitness on days alternating with Pilates.

STRENGTH AND CONDITIONING [semester]

Grades 9 – 12. . Recommended: None

This class is designed to meet the needs of the accelerated physical education student and the student athlete. The course will provide personalized and team programs to improve muscular and cardio-vascular development through proper strength/lifting routines and techniques. Safety procedures, and the importance of proper nutrition will be included. Pre-test will be conducted in the areas of strength, vertical jump, speed, and agility. Students will set goals for each of these areas and will be instructed in techniques that will help them reach these goals. Students will benefit from the opportunity to improve strength and conditioning during school hours while enhancing academic accountability outside of the classroom.

LIFETIME PHYSICAL FITNESS [semester]

Grades 9 – 12. Prerequisite: None

An elective course designed for those interested in learning how to have and/or maintain total physical fitness through a variety of workout methods. All aspects of physical health are discussed and practiced. Class involves running, weight lifting, swimming, and a variety of other methodologies to obtain and maintain fitness.

HEALTH:

PERSONAL HEALTH AND WELLNESS [semester]

Grades 9 - 12. Students are encouraged to complete this requirement prior to end of 10th grade. Prerequisite: None. This course is required for graduation.

This course provides students with opportunities to acquire the knowledge, understanding, awareness, skills, and experiences necessary for attainment and maintenance of good physical, emotional, and social health. Topics to be covered include: disease and its prevention including AIDS and other sexually-transmitted types, chemical awareness, nutrition and diet, stress management, developing interpersonal relationships, decision-making skills, violence prevention, positive communication skills, pregnancy, birth, & parenting.

SPECIAL EDUCATION SERVICES DEPARTMENT

Please note: “Special education students are general education students first, and by law, must be given access to, and support for success in, the general curriculum. Studies show all students learn and achieve more when they take a challenging curriculum rather than low-level courses. All students receiving special education services in Michigan must have an Individualized Education Program (IEP) that details the appropriate education plan outlining modifications, accommodations, and support for student success. In addition, the law allows a parent or legal guardian to request a personal curriculum for the student that modifies some of the Michigan Merit Curriculum requirements.”

- From Michigan Department of Education (www.mi.gov/highschool)

ACADEMIC SUPPORT

Grades 9-12. Prerequisites: IEP determination and departmental approval.

This course is designed to support students in completing their work for their general education courses. Individual strategies and skills are taught and reinforced using their curriculum from other classes. As the students progress through the program, they will learn to become self-advocates, applying to colleges, getting support in their post-secondary setting and conducting their own IEPs.

MATH BASIC CLASSROOM

Prerequisites: IEP determination and departmental approval.

This course is designed to meet the needs of students receiving their services in the Basic Classroom. The instruction is individualized and is predominately life skills math.

LANGUAGE ARTS WORKSHOP

Prerequisites: IEP determination and departmental approval.

This course is for students in grades 9 and 10 who have specific learning disabilities in the area of reading and/or writing. It is designed to aid in the improvement of skills necessary to read independently. Students will read with a variety of texts to practice basic reading, reading comprehension, and writing skills and strategies. Reading from content areas will be integrated to improve studying and test-taking skills and comprehension of general education course material.

ENGLISH – BASIC CLASSROOM

Prerequisites: IEP determination and departmental approval.

This course is designed to meet the communication needs of students receiving their services in the Basic Classroom. Work will focus on functional vocabulary and life skills writing.

PERSONAL AND FAMILY MANAGEMENT

Prerequisites: IEP determination and departmental approval.

This course is designed for the students in the Basic Classroom who need to develop their money and living skills.

SOCIAL COMPETENCIES

Prerequisites: IEP determination and departmental approval

This course is designed for the students in the Basic Classroom who need additional support on becoming an independent, functional member of society.

VOCATIONAL SKILLS

Prerequisites: IEP determination and departmental approval

This course is designed for the students in the Basic Classroom who need additional support with job skills. Some of the course work is done off campus in real work situations.

COMMUNITY BASED INSTRUCTION

Prerequisite: IEP determination and departmental approval

This course is designed for students receiving services in the Basic Classroom. The curriculum revolves around becoming successful independent members of society and involves activities in the community.

Students receiving special education services are provided a range of options based on individual student needs. Eligibility for all services is determined by both federal and State of Michigan Special Education rules and regulations.

Students who receive services in study skills (Resource Room) will receive elective credits toward graduation. Special education classes that parallel the general education curriculum will be offered in some academic areas. Students needing specific accommodations (i.e. test reading) must make arrangements with their specific education teacher/provider.

Services are determined at an IEP (Individualized Educational Plan) team:

Teacher Consultant

Student receives all academic instruction in the general education setting. Student will receive support services during class time, Excel, or lunch at the student's or teacher's request. The amount of service time is determined at the IEP and varies up to 2 hours per week. The TC monitors the student's progress and meets with the student as needed.

Co-Teaching

Co-teaching settings will have instruction delivered by the general education teacher with daily support provided by the special education resource teacher in the classroom. The team will work together to accommodate the individual needs of student's with IEP's. Students will be assigned to co-taught classes based on areas of needs.

Basic Classroom

Student is placed on the caseload of a special education teacher (advocate) and meets with the student for one to five hours per day. The student will also be involved in Community Based Instruction activities where they will be in the community practicing life skills. Students will receive credit towards graduation or towards a certificate of completion.

School Social Worker

The goal is to support students as they progress through the major tasks of adolescence. The SSW helps students become aware of and manage their social/emotional lives in order to facilitate the learning process. Students are encouraged to learn, practice and utilize self-advocacy skills.

Speech and Language Services

The Teacher of Speech and Language will provide specific instruction to students who have been found eligible to receive services based on the State of Michigan Guidelines. Services are determined at an IEP (Individualized Educational Plan) team.

NCAA ELIGIBILITY CENTER INFORMATION

www.eligibilitycenter.org